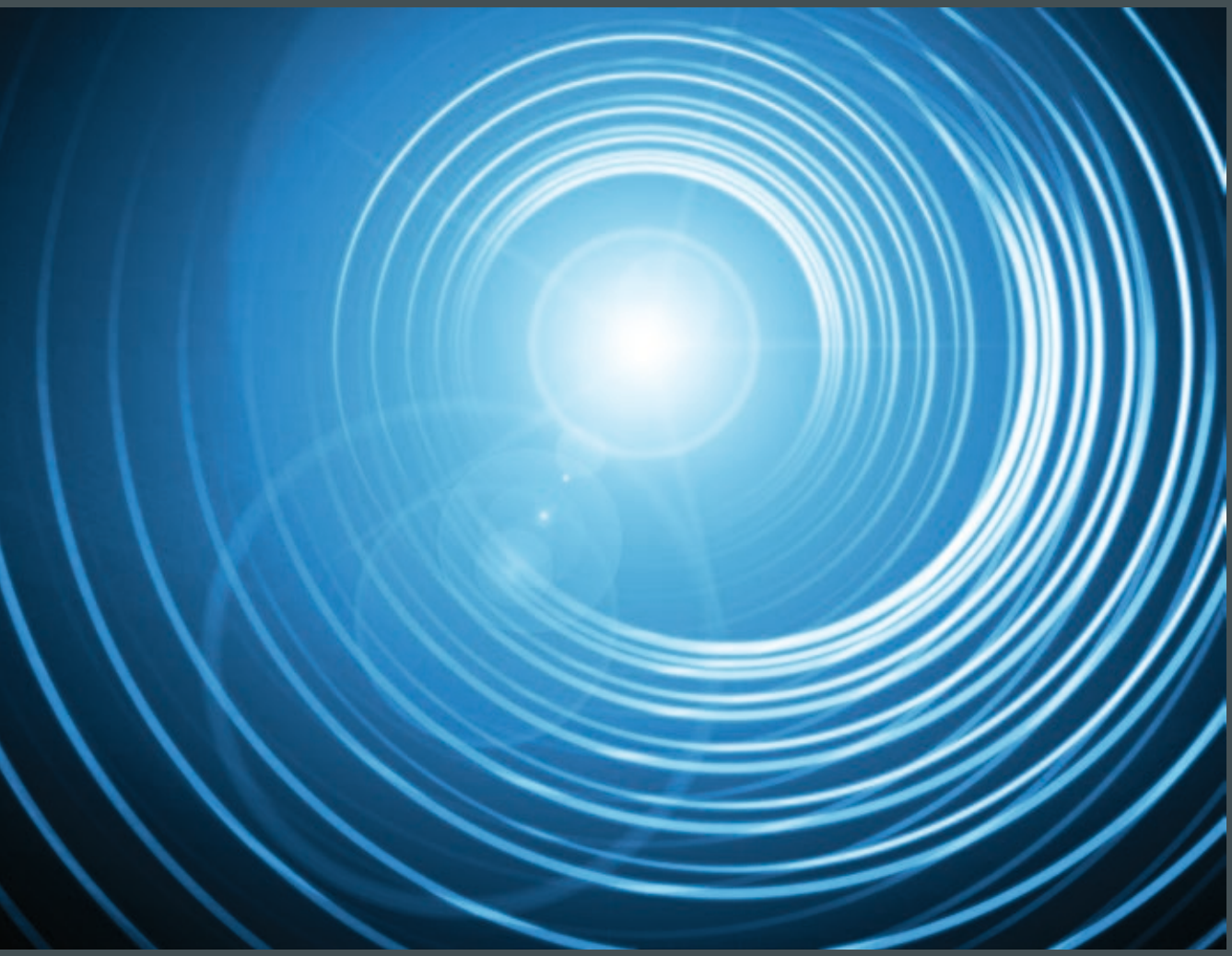
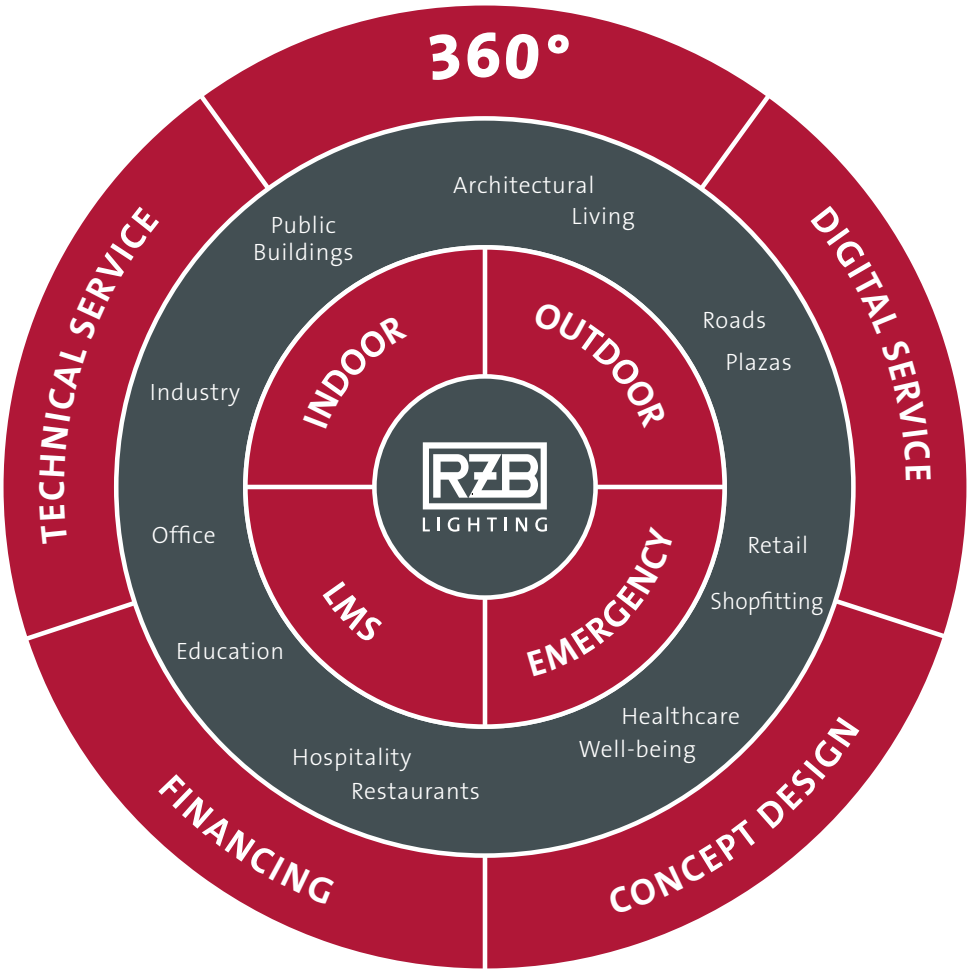


PRODUCT SELECTION GUIDE

INDOOR AND OUTDOOR LIGHTING 2023/2024



LIGHT IS EVERYTHING. EVERYTHING OUT OF ONE HAND.

For more than 80 years, RZB Lighting has stood for highly assembly-friendly, efficient product series and intelligent lighting solutions „Made in Germany“. As an internationally operating family business, we offer you continuity, sustainability and long-term stable partnerships. We have already been awarded the TOP 100 and BAYERNS BEST 50 prize several times for our innovation successes and have received more than 75 renowned design awards for our design work.

For the realisation and production of our product ideas, we have a state-of-the-art, constantly expanding machine park, our own certified test laboratories, around 3,000 square metres of showroom and our own event centre at the Bamberg headquarter.

But we cannot do without the human factor, because people make the future. Behind every good idea is a clever mind. Usually even many. We rely on our motivated, interdisciplinary teams: on the experience of long-standing employees as well as on the ideas and visions of our young and new colleagues.

Due to our high vertical integration, the term Industry 4.0 is not just a buzzword for us, but a living reality: people, machines, plants, logistics and products communicate and cooperate with each other at our company.

Today, well over 700 dedicated employees contribute to ensuring your customer satisfaction and our high quality standards. Together with you, we would like to continue to grow!

TOP 100
top100.de
Top-Innovator 2023



COMMITTED TO SUSTAINABILITY AND QUALITY

We think it is great that topics such as sustainability, environmental awareness and resource conservation are becoming more and more important and are making more and more people think about them - we are making an active contribution to this at our headquarters in Bamberg:

For us, quality means making no compromises: From product development to production controls and long-term tests in our laboratories, to logistics and after-sales service, every process step is strictly controlled, continuously optimised and, if circumstances require, redefined. With DIN ISO 9001 certification, we have been documenting since 1996 that these steps meet the highest quality standards at all times.

We are continuously audited and certified.

- ISO 9001
- VDE test mark
- ENEC test mark
- INTERSEROH recycling certificate for transport and sales packaging
- INTERSEROH *Certificate resources saved* Climate protection certificate
- **ECOVADIS**
  Compared with last year, RZB surpassed the benchmarks in all areas – particularly Environment – thanks to initiatives such as:
  - New product design rules on component recycling and exchangeability.
  - Sustainable packaging concepts using paper and/or transitioning to recycled plastics.
  - Contracts with service companies for the sustainable disposal and take-back of components.



You can find comprehensive information on RZB Energy lighting and charging solutions in our brochure or on our website.

Think outside the wall box!

Brochure

www.rzb-energy.com

RZB ENERGY

From light to charging

The future of mobility is changing, which RZB Energy is actively shaping with elegant 2-in-1 combinations. Robust products that have proven themselves for decades in wind and weather as pure outdoor lighting have been supplemented with the latest in charging technology.

The result is architecturally superior charging options for EVs.



E-Charging

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Our Product Selection Guide 2023/2024 gives an overview of the RZB luminaire portfolio and is an useful tool to help you find the product you are looking for.

As our luminaires are technical devices, they may only be used for their intended purpose and in accordance with our specifications.

Any use of our products in a manner not authorized by us, as well as effecting any change in any of our products, will exempt us from any legal obligations in the event of loss, damage or injury – except insofar as we authorize such nonconformance in writing.

We reserve the right to make changes in our products at any time without notice. Our standard terms and conditions of sale and delivery can be found in the appendix.

New items are marked with a red frame.

Recessed modular luminaires


TRIONA round
20-25


SONIS EVO
26-31




PARLEDO
32-37


SIDELITE ECO
38-47




KALEEA
48-51


KALEEA BASIC
52-53


TOLEDO FLAT
54-55

Surface mounted modular luminaires


TRIONA round
58-63




TRIONA square
64-65


TRIONA rectangle
66-67




SONIS EVO
68-69



SIDELITE
70-73


SIDELITE round
74-75



SIDELITE ECO
76-79


SONIS A
80-81

Suspended modular luminaires


TWINDOT
86-93






TRIONA round
94-99




TRIONA square
100-101


TRIONA rectangle
102-103

SIDELITE
104-105

SIDELITE round
106-107


SIDELITE ECO
108-109

Free-standing luminaires


SIDELITE ECO
112-113


NAVONA
114-115

Linear systems

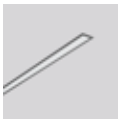

ALEA SPOT
118-119

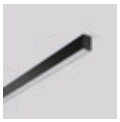

BEAMLINE SLIM
120-123


LINEDO single
124-125


LESS IS MORE 21
126-129




LESS IS MORE 27
130-135



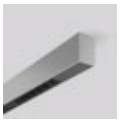



LESS IS MORE 50
136-143





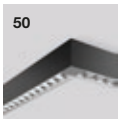

LESS IS MORE BEAMLINE
144-155







LESS IS MORE systems
156-161



162-163



164-165

Ceiling and wall luminaires - decorative


FLAT SLIM round
170-175


FLAT SLIM disc
176-177


FLAT SLIM step
178-179


FLAT SLIM square
180-181

FLAT POLYMERO
184-191

KREIS
192-195

FLAT POLYMERO
196-203

FLAT POLY. IP44
204-207

FLAT BASIC
208-210


RING OF FIRE
211

Ceiling and wall luminaires - classic

FLAT KREIS
214-215


SANTOS KREIS
216

DKN CLASSIC
217

KREIS
218-219

GLASDOWNLIGHT
220


COLONNA
221

FLAT QUADRAT
222

QUADRAT
224-225


RECHTECK
226-227

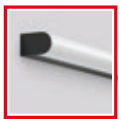


Ceiling and wall luminaires - linear


PLANADO
230-233




LAVANO UNO
234-235


AVIATO
236-237




RT 44
238-239


BALEVA
240-241


R40
242


STRIP-LIGHT
243


ISO and Aluminium Striplights
244-245




ISO lampholders
245

Oval bulkhead luminaires


ARENO
248-249


ALU-STANDARD
248-249


STANDARD
248-249

Pendant luminaires


RING OF FIRE
252-257




SIDELITE ellypsoid
258-259


FLAT SLIM round
260-261


FLAT SLIM disc
262


FLAT SLIM step
263


FLAT SLIM square
264

BASIC BALL
266-269

GLASDOWNL.
270


DEECOS P
272-285

TOLEDO FLAT
286-287

FLAT POLYMERO

KREIS
288-289

FLAT POLYMERO
290-291

New items are marked with a red frame.

Fabric lampshade luminaires



FLATLINER SLIM
296-301



TOLEDO FLAT
302-307



TOLEDO FLATLINER
308-313



FLATLINER
314-316

Recessed downlights



LEVIDO
320-323


ARELO
324-327


ENERGO DARK
326-327


HELEDON
328-337


PASCALA
338-343



QUARDO
344-345


LEDONA
346-349


LEDONA
350-351


LEDONA ECO
352-353



TOLEDO FLAT...
354-365



... PRO
366-369


... +
370-377



TRIXY
378-379

Surface mounted downlights


ANDHO
382-383


HELEDON
384-393

TOLEDO FLAT...
394-397


... PRO
398-399


... +
400-403



TRIXY
404-407




HEMIS
408-409

Recessed projectors



LEVIDO SWING
412-415


DEECOS R
416-423


MAGCARDO
424-429


RONDOS
430-439


GOLAS
440-451


TX-MOVE
452-455

Surface mounted projectors



DEECOS S
458-479



CALIDO CLICKBEAM
480-481


ARLINE
482-483


TX-MOVE
484-489


BEAMLINE SLIM
490-493

Tracks



3-circuit tracks
496-503








3-circuit DALI tracks
504-511

Continuous line luminaire systems



LINEDO
512-519



Luminaires for moist/humid environments



PLANOX PRO
522-525

PLANOX ECO
526-529

...FARM
530-531

PLANOX TUBE
532-536

...FARM
537

PLANOX
538-543

...FARM
542

Highbay luminaires



LIGHT CASE
546-553

INDUSTRIAL HALL
554-559

INDUSTRIAL HALL EVO
560-563

Light management



light control +^{3}
572-573

SIDELITE ECO HCL
574-575

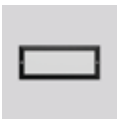
Casambi smart+free
576-581

light control +^{3}
582-585

Controllers
586-591

New items are marked with a red frame.

Recessed luminaires


BRICK STEPS
600-601




BRICK EVO
602-603

Wall luminaires


NADELSPOT
610-613


CYL
614-615


ZONO
616-617


TECHNO
618-619


MEGA..TOWER F
620-623


...TOWER R
624


...CONE
625


...LATERNE R
626


...LATERNE F
627


...TUBE
628


...GÜRTELLINSE
629


DESMONDO
630-631


ROUNDED
632-633


ALU-SUPERIOR
634-635


ALU-LUX OVAL
636-637

House number luminaires



CADERO disca
640-641



FLAT SLIM round
642-643



FLAT SLIM disc
642-643



FLAT SLIM step
642-643



THE ULTRA-FLAT HOUSE NUMBER LUMINAIRE
644-645

Ceiling and wall luminaires


ANDHO
648-649


FLAT SLIM round
650-655


FLAT SLIM disc
656-657


FLAT SLIM step
658-659


FLAT SLIM square
660-661


CADERO quadra
662-663


CADERO disca
662-663


ROUNDED
664-667


ROUNDED maxi
668-669


ALU-SUPERIOR
670-671


ALU-LUX OVAL
672-673




Oval bulkheads luminaires
674-675

Bollards


BOCARO
680-683


LUPALO
684-687


...LATERNE
688-691


...TOWER
691


MEGA ...TOWER F
692-696


...TOWER R
697


...CONE
698


...LATERNE R
699


...LATERNE F
700


...GÜRTELLINSE
701


...TUBE
702-703


...GLASPOLLER
704


...SQUARE
705

In-ground luminaires



TERRA EDELSTAHL 130
708-709

TERRA EDELSTAHL 190
710-713

TERRA EDELSTAHL 245
714-715

Projectors and floodlights



PAR16
718-719

ANDHO
720-729

ALU-STAR
730-731

LIGHTSTREAM
723-741

Outdoor pole luminaires



LIGHTSTREAM
744-749

MINGATA
750-757

LIGHTSTREAM
758-761

ANDHO
762-765

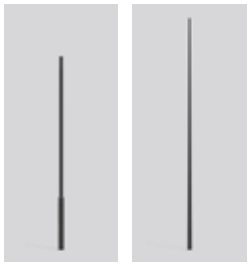
GONIA
766-767

LARUTA
768-769

BOCARO
770-771

LUPALO
772-777

LUPALO SCANDIA
778-781



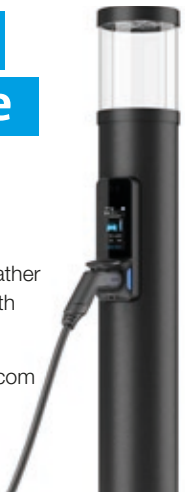
STEEL POLES
782-783

Light + Charge

The hybrid solution for light and charging station

RZB is actively shaping the change in mobility: Light for charging, charging in light. Robust products that have withstood wind and weather for decades as pure outdoor luminaires have been supplemented with the latest in charging technology.

Find out more at www.rzb-energy.com



RZB HOME + BASIC Indoor lighting

HB 501
789

HB 505
789

HB 506
789


HB 507
790


HB 710
791


HB 801
792-793


HB 702
794


HB 720
795

RZB HOME + BASIC Outdoor lighting


HB 101
799


HB 103
799


HB 107
799


HB 108
799


HB 105
800


HB 106
800


HB 113
800


HB 110
800


HB 111
800


HB 202
801


HB 203
801


HB 205
801


HB 109
802


HB 207
802


HB 450
802


HB 610
803

RZB HOME + BASIC Solar luminaires


HB 402
805


HB 403
805

RZB HOME + BASIC Garden luminaires


HB 301-304
807


HB 309-311
807



EMERGENCY LIGHTING MADE COMPACT AND PROFESSIONAL

Are you missing the important subject of emergency lighting in this catalogue?

For several years already our constantly growing range of emergency lighting products has been summarised in a compact and professional way in our **special Emergency Lighting catalogue**. For reasons of sustainability, luminaires, technology and services for this product area are now only presented there and on our website only:

- Stand-by luminaires for escape route illumination
- Combined luminaires for escape route illumination
- Luminaires for escape route identification
- Self-contained power supply systems
- Self-contained monitoring systems
- Low Power Supply (LPS)
- Central Power Supply (CPS)
- Accessories for emergency lighting

We also offer a large proportion of our general lighting as luminaires for escape route lighting.

Whether there is a corresponding product for emergency lighting for a luminaire can be easily identified by this symbol.

Comprehensive information on luminaires and technology for emergency lighting can be found in our special catalogue and on our website.

Catalogue

www.rzb-lighting.com



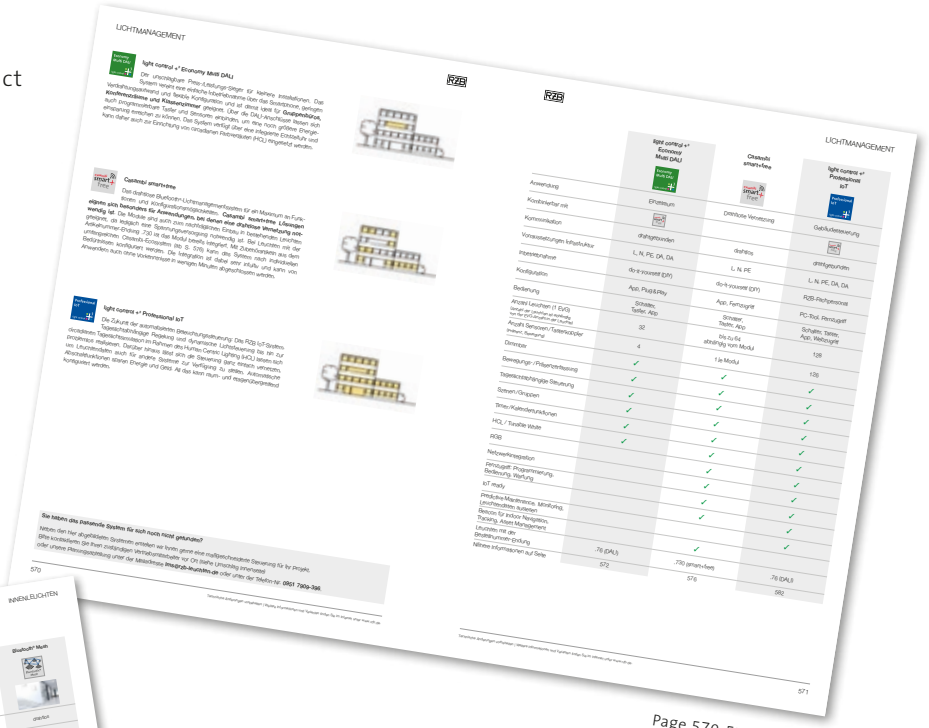
ICONS

Tunable White	The colour temperature can be adjusted infinitely from 2700K to 6500K.		Luminaires marked with the “ball impact protection” symbol are suitable for use in sports facilities. They are manufactured in accordance with the test conditions defined in DIN 18032.
HCL ready	Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.	D	Luminaires with limited surface temperature in accordance with EN 60598-2-24
MultiColour	MultiColour version: colour temperature adjustable in different steps.	HACCP	**HACCP** | Luminaires with this symbol are suitable for use in the food and beverage industry. For precise instructions on the use of our products in this context, please see the declaration of conformity, which you can find in the download area for the corresponding product under rzb-lighting.com.
MultiLumen	MultiLumen version: luminous flux adjustable in different steps.	NH_3	Certified by DLG. This luminaire is resistant to ammonia and is suitable for high pressure cleaning with a short distance.
Phase-cut	Simple control of brightness via leading edge or trailing edge dimmers.	Plug & Play	Fast and easy installation.
DALI	DALI is the classic light bus and is ideal for the simple and central light management.	MultiCutOut	Adjustable spring clamps for different ceiling cut-outs.
Casambi smart+ free	Light management system for wireless control of lighting by Bluetooth®.	ULR = 0%	Dark Sky: Protects insects and the environment thanks to needs-based light distribution without light emitted in the upper hemisphere, thus avoiding light pollution
CLO Constant Light Output	Top modern drivers regulate the LEDs in the luminaires throughout their entire lifetime and therefore avoid the usual reduction in luminous flux. This process known as CLO (Constant Lumen Output) allows the optimised control of efficiency right from the start.		Seawater resistant coating.
UGR ≤ 19	Ideal for office areas (UGR ≤ 19) and computer workstations in accordance with EN 12464-1.	CRI >90	For the most realistic possible perception of colours of surroundings, obects and people.
Clickbeam	The beam angle can be changed by clicking on the lens.	COI compliant	The Cyanosis Observation Index (COI) describes the quality of the light spectrum of a luminaire for suitability for medical applications. Luminaires with a standardised COI of less than 3.3 are particularly suitable for reliable detection of cyanosis.
Corridor Function	The Corridor function allows the luminaires to be configured to have a residual brightness of 10%. If no further movement is detected. This is recommended for applications without any ambient light, especially in corridors or stairwells without any daylight.	Food	Food LED light colours show food in its best light.
Touch DIM	TouchDim offers simple, cost-effective and efficient light control without any additional control device. TouchDim means the device can be operated via standard buttons, whilst control is taken over by the DALI board/converter. Light and/or presence sensors can be integrated.	E-Charging	The hybrid solution for light and charging station Robust products that have withstood wind and weather for decades as pure outdoor luminaires have been supplemented with the latest in charging technology.
	Luminaires with presence and daylight sensor.		Environmentally friendly and resource-saving due to replaceable components.
IoTready	**Luminaires:** Acquisition and forwarding of status and energy data **Lighting management systems:** Forwarding of luminaire data to cloud services possible.		This symbol indicates that individual luminaires of a series are available as emergency luminaires and have been tested respectively.
	For high hygienic requirements Diffuser with smooth surface on the room side for low sensitivity to dirt and easy cleaning.	IP68	Luminaires with high protection class.
	Individual, handcrafted production of the diffuser, which is made of mouth-blown three-layer glass. This means that the first layer consists of clear glass, the second of opal glass and the third again of clear glass.	IK09	Luminaires with a high degree of impact resistance.
	Luminaires made of impact resistant polycarbonate.		

THE FAST WAY TO YOUR LIGHTING SOLUTION

Our icons help you identify the key features of our products at a glance. Overviews and comparison tables make product differences visible.

So you can quickly and easily find the right solution for your project!







	A daylight sensor measures the incidence of light on a luminaire in order to switch it on and off depending on the brightness.	Step DIM	The StepDIM mode (bi-power mode) enables to switch between two performance levels – „normal“ operation and „half night” operation – via an additional switched phase. The light levels can be flexibly pre-programmed.
	Stand-alone sensors are used to control a single luminaire. Since no external control unit is needed, the luminaire functions autonomously and requires a power supply only.	Astro DIM	AstroDIM offers a multi-stage night reduction regulated by an internal timer that responds to the switch-on and switch-off times. No external control is required.
Master-Slave	The luminaire with sensor (master) controls several other luminaires without sensor (slave). Depending on the system, several master luminaires can also be operated together.	Zhaga	Equipping a luminaire with a socket according to Zhaga or NEMA standards allows the connection of sensors and light management systems (e.g. third-party systems such as Signify Interact City, Philips City Touch or eSave) without affecting the IP protection factor of the luminaire. The corresponding modules are attached without tools via bayonet lock (also retrofitted) and can be replaced at any time without opening the luminaire.
Bluetooth® Mesh	Mesh sensors create a wireless connection between each other. This allows for flexible configuration via smartphone or tablet.	NEMA	
	Initial setting of luminaires with sensor complying with standards can be individually adjusted via app if necessary		



© Simon Menges



Overview - Luminaires with built-in sensors

Stand-alone sensors

Stand-alone sensors are used to control unit a single luminaire. Since no external control is needed, the luminaire functions autonomously and requires a power supply only. Depending on the luminaire type, stand-alone devices can detect movement and brightness and are adjustable to a certain degree (delay time, brightness thresholds). Stand-alone sensors do not allow clustering of luminaires. Each luminaire with a stand-alone sensor works autonomously.


FLAT SLIM round


FLAT SLIM disc

FLAT SLIM step


FLAT SLIM square

FLAT POLYMERO

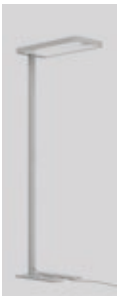
FLAT POLYMERO IP44

FLAT POLYMERO KREIS SLIM

FLAT POLYMERO KREIS

FLAT BASIC


TWINDOT


SIDELITE ECO


NAVONA


RT 44


INDUSTRIAL HALL EVO


TOLEDO FLAT


TOLEDO FLAT


PLANOX ECO


PLANOX TUBE


PLANOX

Master-slave systems

The luminaire with sensor (master) controls several other luminaires without sensor (slave). Depending on the system, several master luminaires can also be operated together. Master-slave systems are mainly used in stairwells and corridors. They can be used for corridor functions and similar functions. Depending on the luminaire type, master luminaires can detect movement and brightness and can be adjusted to a certain degree (delay time, brightness thresholds).


FLAT SLIM round


FLAT SLIM disc

FLAT SLIM step


FLAT SLIM square

FLAT POLYMERO KREIS SLIM

FLAT POLYMERO


PLANOX ECO


PLANOX

Mesh sensors

Mesh sensors create a wireless connection between each other. This allows for flexible configuration via smartphone or tablet. The sensors (and luminaires connected to them) can be grouped as desired and the delay times and thresholds can be set individually. Just as with the master-slave systems, corridor functions, and similar functions can be set. Contrary to to the previously mentioned systems, these, however, do not have to be connected by wire.


FLAT SLIM round


FLAT SLIM disc

FLAT SLIM step

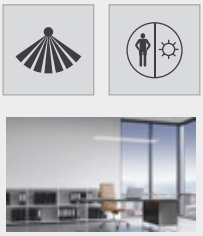
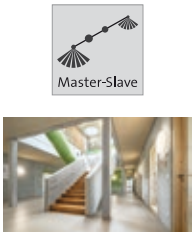
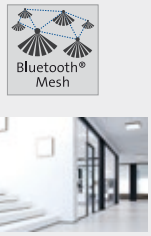

FLAT SLIM square


TOLEDO FLAT


TOLEDO FLAT


PLANOX TUBE

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

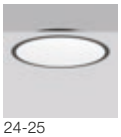
	Stand-alone sensors	Master-slave systems	Mesh sensors
			
Communication	stand-alone	wired	wireless
Infrastructure requirements	L, N, PE (3 wires cable)	L, L‘, N, PE (5 wires cable)	L, N, PE (3 wires cable)
Commissioning	by electrician, App	by electrician	by electrician, App
Configuration	push-button, remote control, App	pre-configured, dip switch	App
Dimmability	switchable / dimmable via sensor	switchable / dimmable via sensor	switchable / dimmable via sensor
Switchable	✓	✓	✓
Dimmable	✓ (luminaire-dependent*)	✓ (DALI)	✓ (DALI)
Movement/presence detection	✓	✓	✓
Brightness threshold adjustable	✓	✓	✓
Daylight-dependent control	✓	✓ (luminaire-dependent*)	✓
Basic light	✓ (luminaire-dependent*)	✓ (luminaire-dependent*)	✓ (DALI)
Corridor function		✓ (luminaire-dependent*)	✓
Grouping		✓ (luminaire-dependent*)	✓
Further luminaires possible		✓	✓
Further sensors possible		✓	✓
SoftDim			✓ DALI)

* For more information, see the operating instructions at www.rzb-lighting.com under the download area of the respective item.



The application image shows:
TRIONA round

© shutterstock


24-25

TRIONA round
20-25


29


29

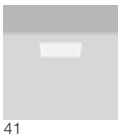

30


30

SONIS EVO
26-31


35

PARLEDO
32-37


41


42


44

SIDELITE ECO
38-45


47

SIDELITE ECO HCL
46-47


51

KALEEA
48-51


52

KALEEA BASIC
48-50 | 52


55

TOLEDO FLAT
54-55

TRIONA® round

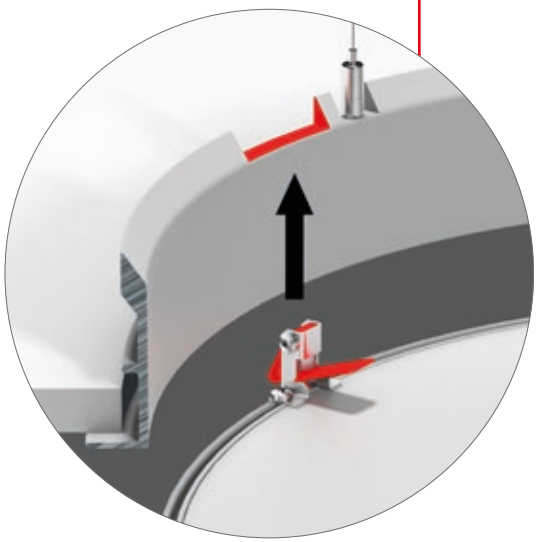
Everything at a glance

UGR ≤ 19

Diffuser plastic opal/microprismatic: ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1.

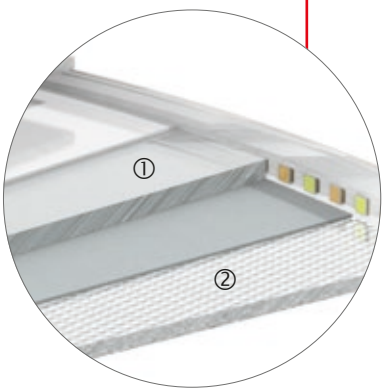


Tool-free mounting system thanks to the rocker arm mechanism (patent pending).



RZB SIDELITE® technology: lateral light injection for extremely homogeneous light distribution and rimless illumination.

Diffuser ② and **lightguide** ① made of **non-yellowing PMMA.**



Plug & Play

Very easy plug-in installation (Quick connector).

3 different colours are available for the recessed ring and frame made of extruded aluminium profile, powder-coated.



Tunable White

HCL ready

Tunable white versions, dynamically adjustable from 2700 K to 6500 K.

Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.

No disposable luminaire thanks to replaceable components.



Tunable White | HCL ready | UGR ≤ 19 | DALI | Touch DIM | Plug & Play

reddot award 2019 winner

GERMAN DESIGN AWARD WINNER 2019

TRIONA®

Recessed ceiling luminaires

ARCHITECTURE

- **Extensive:** Built-in, surface-mounted and suspended luminaires.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic.
- **Individual:** Option of hand-finished FerroMurano glass.

LIGHTING DESIGN

- **Homogenous:** Lateral light emission (RZB SIDELITE® technology) for above-average homogeneous light distribution.
- **Anti-glare:** Suitable for office areas and computer workstations.
- **Dynamic:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.

INSTALLATION

- **Easy installation:** Tool-free mounting system thanks to the rocker arm mechanism (patent pending).
- **Straightforward:** Very easy installation thanks to plug & play connection.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.



Further luminaires of this series, see:

Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Suspended modular luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



The application image shows:
TRIONA round

© shutterstock



Touch DIM

Comparison
LED vs. conventional lamps

LED 28 W ≈
1 x 60 W T16-R (65 W Psys)

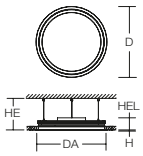
LED 29 W ≈
1 x 55 W T16-R (60 W Psys)

LED 31 / 40 W ≈
1 x 22+40 W T16-R (70 W Psys)

LED 49 W ≈
3 x 32 W TC-TEL (105 W Psys)

LED 66 W ≈
4 x 42 W TC-TEL (180 W Psys)

Recessed ceiling luminaires | TRIONA round - Diffuser microprismatic



Type of protection: IP 20, **IP 40** on room side
Protection class: I
Impact protection: IK03

Recessed ring: aluminium extrusion profile, powder coated. Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal/microprismatic diffuser (screen-compliant in accordance with EN 12464-1). Driver integrated. Suitable for installation in cavity ceilings.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							**Price Category 21**
Diameter D 505 mm							
312423.00X.12	D 505, H 2, HE 100, HEL 89	830	3150	28	113	20,8	DALI
312423.00X.1.12	D 505, H 2, HE 100, HEL 89	840	3250	28	117	20,9	DALI
Tunable White - 2700 K to 6500 K							
312423.00X.2.12	D 505, H 2, HE 100, HEL 89	827-865	2700	29	94	20,2	DALI
Diameter D 725 mm							
312296.00X.12	D 725, H 2, HE 100, HEL 89	830	3750	31	121	18,7	DALI
312296.00X.1.12	D 725, H 2, HE 100, HEL 89	840	3900	31	126	18,8	DALI
Tunable White - 2700 K to 6500 K							
312296.00X.2.12	D 725, H 2, HE 100, HEL 89	827-865	3550	40	89	18	DALI
Diameter D 889 mm							
312299.00X.12	D 889, H 2, HE 100, HEL 89	830	8050	66	122	19,4	DALI
312299.00X.1.12	D 889, H 2, HE 100, HEL 89	840	8350	66	127	19,5	DALI
Tunable White - 2700 K to 6500 K							
312299.00X.2.12	D 889, H 2, HE 100, HEL 89	827-865	5050	49	104	18	DALI

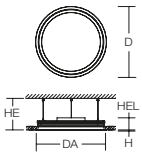
Light colour 827 on request.






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed ceiling luminaires | TRIONA round - Diffuser opal



Type of protection: IP 20, **IP 40** on room side
Protection class: I
Impact protection: IK03

Recessed ring: aluminium extrusion profile, powder coated. Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal diffuser. Driver integrated. Suitable for installation in cavity ceilings.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							**Price Category 21**
Diameter D 505 mm							
312419.00X.12	D 505, H 2, HE 100, HEL 89	830	4650	48	97	24,4	DALI
312419.00X.1.12	D 505, H 2, HE 100, HEL 89	840	4900	48	102	24,6	DALI
Tunable White - 2700 K to 6500 K							
312419.00X.2.12	D 505, H 2, HE 100, HEL 89	827-865	2450	29	84	22,1...22,3	DALI
Diameter D 725 mm							
312383.00X.12	D 725, H 2, HE 100, HEL 89	830	6450	70	92	22,6	DALI
312383.00X.1.12	D 725, H 2, HE 100, HEL 89	840	6750	70	96	22,7	DALI
Tunable White - 2700 K to 6500 K							
312383.00X.2.12	D 725, H 2, HE 100, HEL 89	827-865	3350	40	84	20...20,2	DALI
Diameter D 889 mm							
312387.00X.12	D 889, H 2, HE 100, HEL 89	830	8000	80	100	21,7	DALI
312387.00X.1.12	D 889, H 2, HE 100, HEL 89	840	8300	80	104	21,8	DALI
Tunable White - 2700 K to 6500 K							
312387.00X.2.12	D 889, H 2, HE 100, HEL 89	827-865	4800	49	98	19,6...19,8	DALI

Light colour 827 on request.



Comparison
LED vs. conventional lamps

LED 29 W ≈
1 x 55 W T16-R (60 W Psys)

LED 40 W ≈
1 x 60 W T16-R (65 W Psys)

LED 48 / 49 W ≈
4 x 26 W TC-D (112 W Psys)

LED 70 W ≈
3 x 42 W TC-TEL (137 W Psys)

LED 80 W ≈
4 x 42 W TC-TEL (180 W Psys)



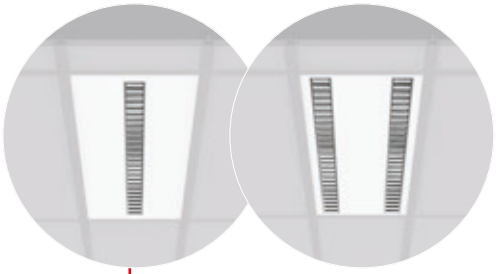






SONIS EVO

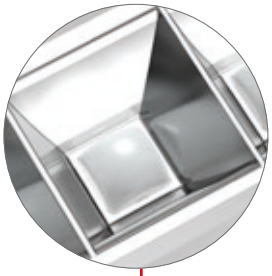
Everything at a glance



Module 1200/1250:
single row and double row
Alea optical system
High luminous flux up to 6500 lm.

Housing: metal,
powder-coated.

Darklight reflector
Narrow beam, brilliant luminous effect.



Alea optical system

A brilliant example of the power of innovation: The Alea optical system combines square reflector elements with a linear structure. The integrated opal diffuser reduces direct glare, ensures excellent light quality and protects the highly efficient LEDs.

UGR ≤ 19

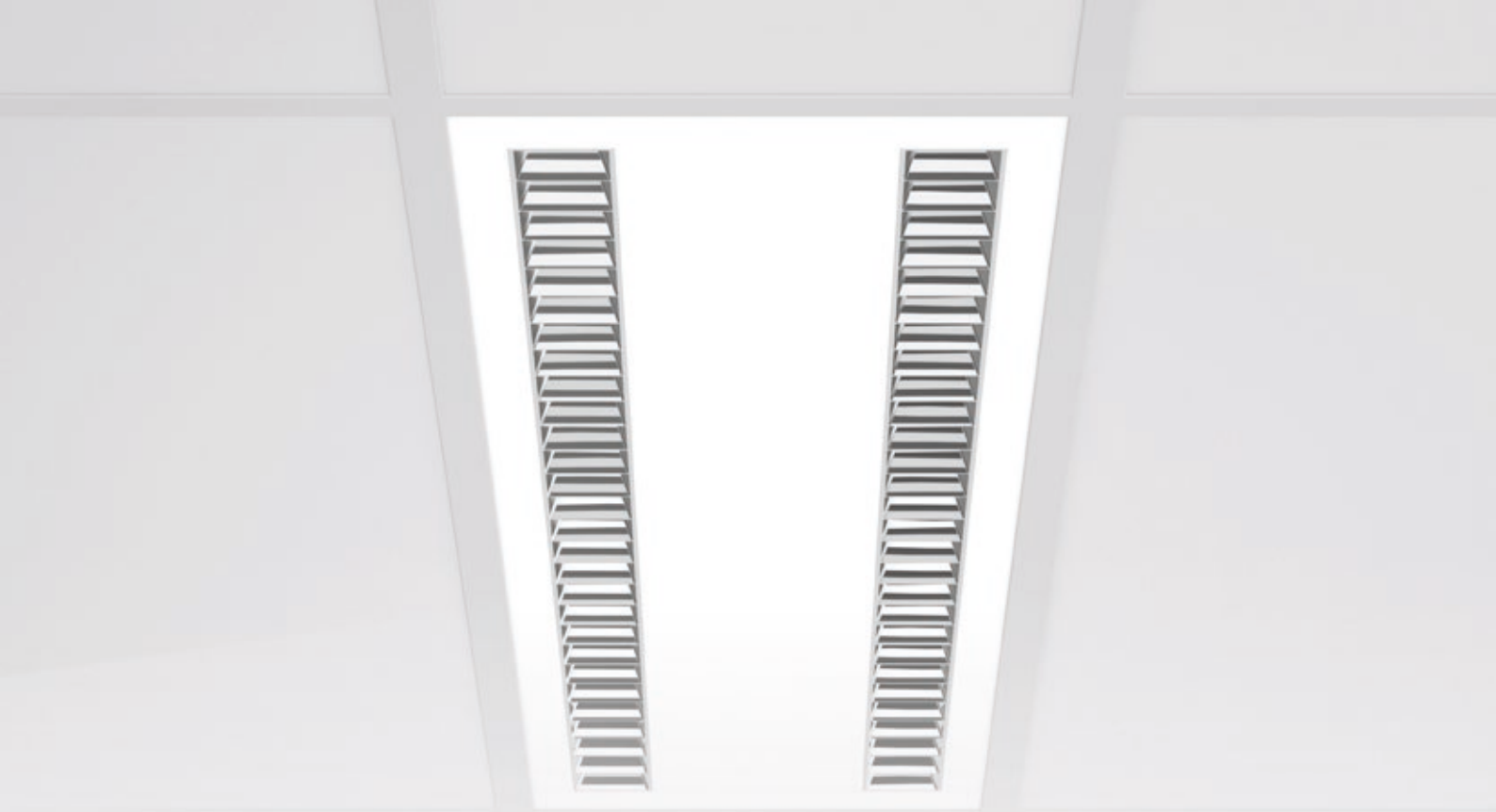
4 types of installation

recessed
lay-in
surface mounted
pendant (with accessories)



5 sizes

Module 300
Module 600/625
Module 1200/1250



UGR ≤ 19

DALI

reddot award 2017
winner

SONIS EVO

Recessed ceiling luminaires, Lay-in luminaires

ARCHITECTURE

- **Advantageous:** Perfect for 1:1 replacement during renovations.
- **Versatile:** Lay-in luminaire combined with accessories turns either into recessed, surface or pendant luminaire.

LIGHTING DESIGN

- **Anti-glare:** Suitable for office areas and computer workstations.
- **Optimum:** Alea optical system with deep beam light characteristic.
- **Powerful:** High luminous flux up to 6500 lm.

INSTALLATION

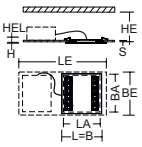
- **Easy installation:** External driver with simple plug-in locking system.
- **Standard:** Suitable for through-wiring.




Further luminaires of this series, see:
Indoor lighting | Surface mounted modular luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

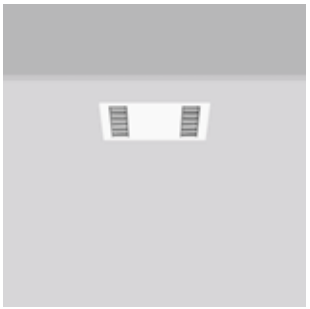
Recessed ceiling luminaires | SONIS EVO



Type of protection: IP 20
Protection class: I, II = DALI
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: metal, powder-coated. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Converter integrated, DALI converter external (height 32 mm). Springs for recessed ceiling installation are included. ON / OFF versions suitable for through wiring as standard (DALI not).

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							**Price Category 21**
Cut out LA 280 x BA 255 mm							
901638.002.1	L 295, B 295, H 8, HE 137, HEL 37	840	1500	12	125	18,5	on/off
901638.002.1.76	L 295, B 295, H 8, HE 137, HEL 37	840	1500	12	125	18,5	DALI
901639.002.1	L 295, B 295, H 8, HE 137, HEL 37	840	2000	16	125	19,5	on/off
901639.002.1.76	L 295, B 295, H 8, HE 137, HEL 37	840	2000	16	125	19,5	DALI

Comparison
LED vs. conventional lamps

LED 12 W ≈
2 x 18 W TC-D (52 W Psys)

LED 16 W ≈
2 x 26 W TC-D (68 W Psys)

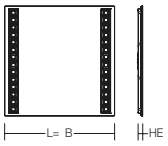
Surface mounting frame			Price Category 21
982357.012	L 300, B 300, H 47	Mounting frame: sheet steel, powder-coated, white.	



Mounting frame for installation in suspended ceilings | Ceiling thickness: 1-25 mm			Price Category 21
981987.012	L 324, B 324, H 2, HE 51	Recessed mounting frame: sheet steel, powder-coated, white.	



Lay-in luminaires | SONIS EVO



Type of protection: IP 20
Protection class: I
Impact protection: IK03

Housing: metal, powder-coated. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Converter integrated, DALI converter external (height 32 mm). Suitable for through-wiring.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Lay-in luminaires for grid ceilings - Module 600							**Price Category 21**
901677.002.1.76	L 596, B 596, HE 27	840	3450	26	133	18,4	DALI
901677.002.1	L 596, B 596, HE 27	840	3450	26	133	18,5	on/off
Lay-in luminaires for grid ceilings - Module 625							**Price Category 21**
901678.002.1.76	L 621, B 621, HE 27	840	3450	26	133	18,4	DALI
901678.002.1	L 621, B 621, HE 27	840	3450	26	133	18,5	on/off

Comparison
LED vs. conventional lamps

LED 26 W ≈
4 x 14 W T16 (60 W Psys)
4 x 18 W T26 (71 W Psys)

Accessories | Surface mounting frame
Mounting frame: sheet steel, powder-coated, white.

Surface mounting frame			Price Category 21
982187.012	L 602, B 602, H 47	for module 600	
982292.002	L 627, B 627, H 47	for module 625	



Accessories | Recessed mounting frame
Recessed mounting frame: sheet steel, powder-coated. For installation on suspended ceilings.
Minimum recess depth: 300 mm. Ceiling thickness: 1-30 mm

Mounting frame for installation in suspended ceilings			Price Category 21
981941.002	L 624, B 624, H 2, HE 94	for module 600	
981942.002	L 649, B 649, H 2, HE 94	for module 625	



Accessories | Pendant frame
Pendant frame with steel cable suspension and supply cable. Pendant frame: powder-coated metal, white.

Pendant frame			Price Category 21
982290.012	L 602, B 602, H 33, LP 1500	for module 600	
982291.002	L 627, B 627, H 33, LP 1500	for module 625	

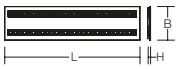


Comparison
LED vs. conventional lamps

LED 26 W ≈
1 x 54 W T16 (58 W Psys)

LED 50 W ≈
2 x 54 W T16 (115 W Psys)

Lay-in luminaires | SONIS EVO



Type of protection: IP 20
Protection class: I
Impact protection: IK03

Housing: metal, powder-coated. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Converter integrated, DALI converter external (height 32 mm). Suitable for through-wiring.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Lay-in luminaires for grid ceilings - Module 1200							**Price Category 21**
single row Alea optical system							
901679.002.1	L 1197, B 297, HE 27	840	3450	26	133	18,5	on/off
901679.002.1.76	L 1197, B 297, HE 27	840	3450	26	133	18,5	DALI
double row Alea optical system							
901680.002.1	L 1197, B 297, HE 27	840	6500	50	130	18,6	on/off
901680.002.1.76	L 1197, B 297, HE 27	840	6500	50	130	18,7	DALI
Lay-in luminaires for grid ceilings - Module 1250							**Price Category 21**
single row Alea optical system							
901681.002.1	L 1247, B 310, HE 27	840	3450	26	133	18,5	on/off
901681.002.1.76	L 1247, B 310, HE 27	840	3450	26	133	18,4	DALI
double row Alea optical system							
901682.002.1	L 1247, B 310, HE 27	840	6500	50	130	18,6	on/off
901682.002.1.76	L 1247, B 310, HE 27	840	6500	50	130	18,7	DALI

Accessories | Surface mounting frame
Mounting frame: sheet steel, powder-coated, white.

Surface mounting frame			Price Category 21
982190.012	L 1202, B 302, H 47	for module 1200, single row Alea optical system	
982190.032	L 1202, B 302, H 47	for module 1200, double row Alea optical system	
982295.012	L 1252, B 315, H 47	for module 1250, single row Alea optical system	
982295.022	L 1252, B 315, H 47	for module 1250, double row Alea optical system	



Accessories | Recessed mounting frame
Recessed mounting frame: sheet steel, powder-coated, white. For installation on suspended ceilings.
Minimum recess depth: 300 mm. Ceiling thickness: 1-30 mm

Mounting frame for installation in suspended ceilings			Price Category 21
982106.002	L 1224, B 324, H 2, HE 94	for module 1200	
982426.002	L 1274, B 337, H 2, HE 94	for module 1250	



Accessories | Pendant frame
Pendant frame with steel cable suspension and supply cable. Pendant frame: powder-coated metal, white.

Pendant frame			Price Category 21
982293.012	L 1202, B 302, H 33, LP 1500	for module 1200	
982294.002	L 1252, B 315, H 33, LP 1500	for module 1250	





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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



© Shutterstock

The application image shows:
SONIS EVO

PARLEDO®

Everything at a glance

CRI >90

Particularly suitable for the requirements of treatment rooms in healthcare facilities, in accordance with EN 12464 (UGR≤19, CRI >90).

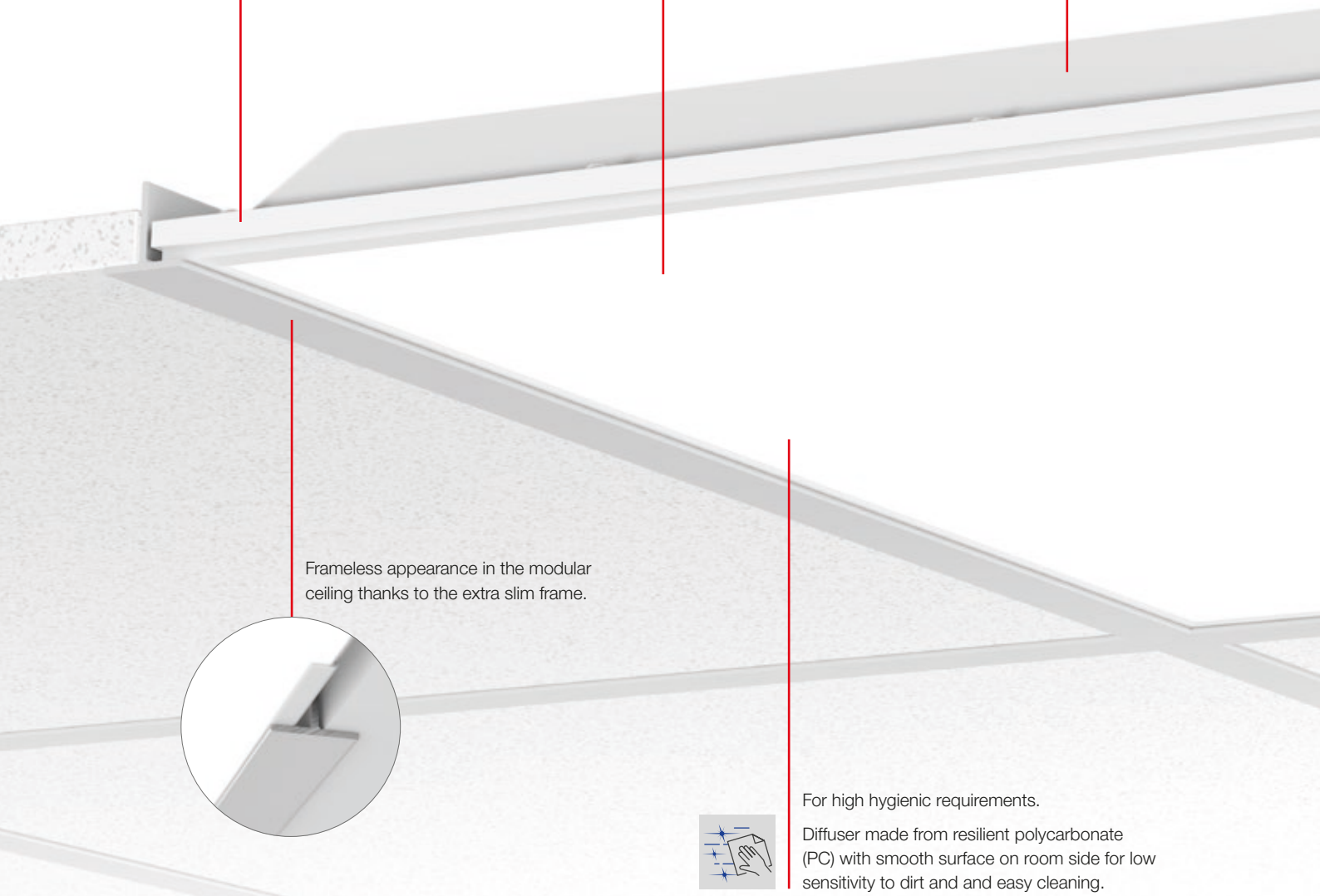
IP65

Degree of protection IP 65, dustproof and jet-proof.

Protection class IP 65 for luminaire and control gear on room and ceiling side.

IoTready

DALI variants: IoT Ready



Frameless appearance in the modular ceiling thanks to the extra slim frame.

For high hygienic requirements.

Diffuser made from resilient polycarbonate (PC) with smooth surface on room side for low sensitivity to dirt and and easy cleaning.

MultiLumen

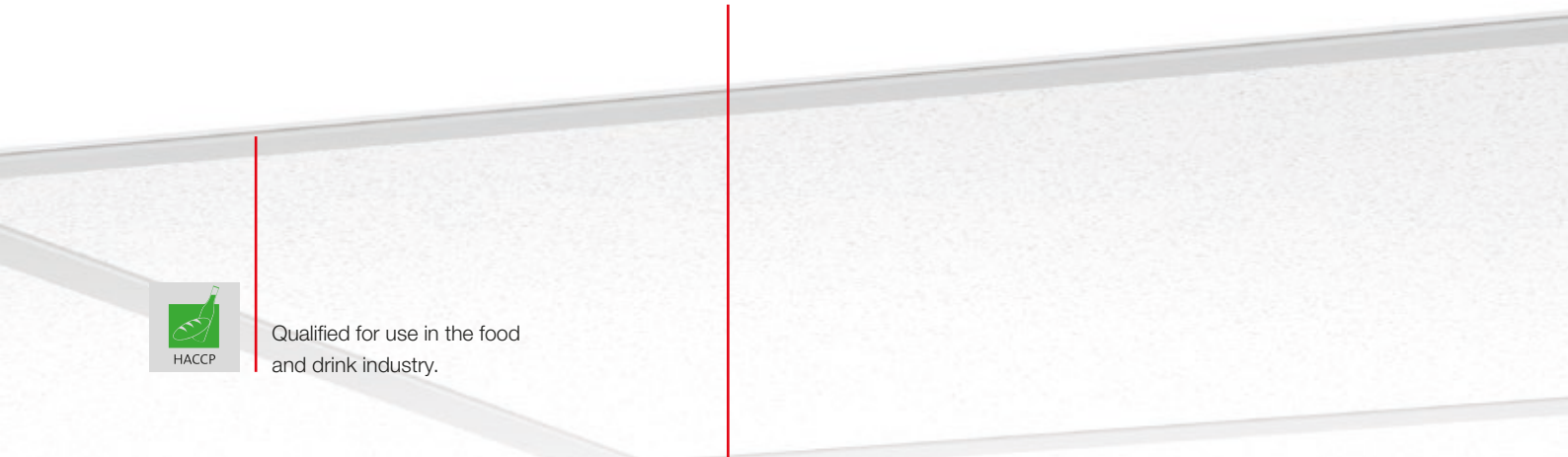
MultiLumen version:
The user can choose from four different luminous flux levels. This can be reversibly set manually on the external control gear.

UGR ≤ 19

Excellent glare control even with high luminous fluxes.

Diffuser microprismatic: ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1.



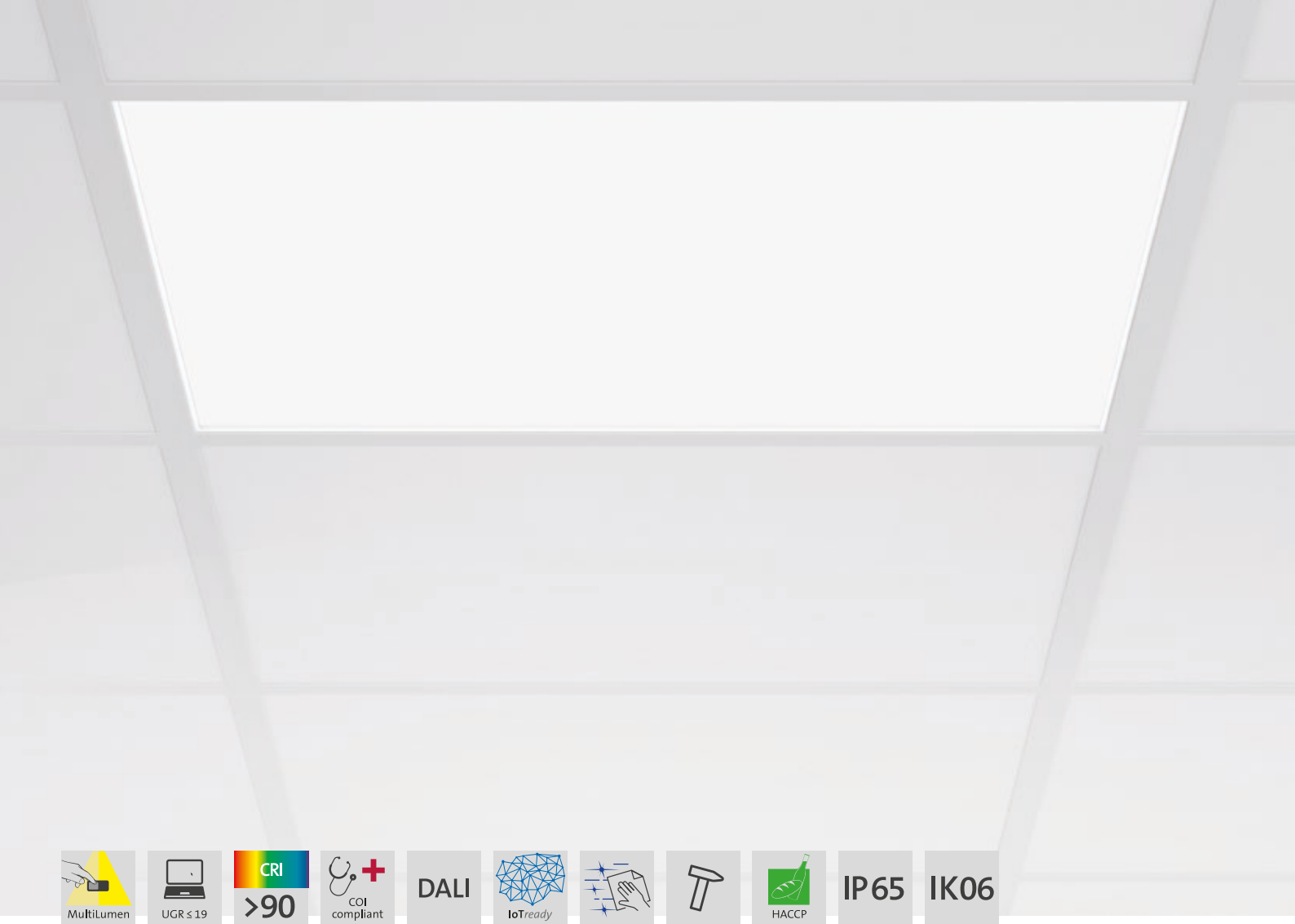


HACCP

Qualified for use in the food and drink industry.

COI compliant

The Cyanosis Observation Index (COI) describes the quality of the light spectrum of a luminaire for suitability for medical applications. Luminaires with a standardised COI of less than 3.3 are particularly suitable for reliable detection of cyanosis. Cyanosis is a bluish discolouration of the skin or the mucosa caused by a decrease in arterial oxygen saturation. This can be a symptom of dangerous disorders of the human organism. For an initial early visual diagnosis, the quality of light is crucial.



MultiLumen | UGR ≤ 19 | CRI >90 | COI compliant | DALI | IoTready | HACCP | IP65 | IK06

PARLEDO®

Lay-in luminaires

ARCHITECTURE

- **Clean:** For high hygienic requirements.
- **Hygienic:** Diffuser made from resistant polycarbonate (PC) with smooth surface on room side for low sensitivity to dirt and and easy cleaning.
- **Advantageous:** Particularly suitable for use in healthcare and industry.
- **True colours:** Model with light colour 940 suitable for medical applications in accordance with the Cyanosis Observation Index (COI < 3.3)
- **Certified:** Qualified for use in the food and drink industry.
- **Filigree:** Frameless appearance in the modular ceiling thanks to the extra slim frame.

LIGHTING DESIGN

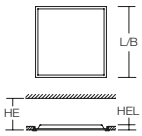
- **Anti-glare:** Diffuser microprismatic: ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1.
- **Reliable planning:** Excellent glare control even with high luminous fluxes.
- **MultiLumen:** Luminous flux variable in 4 steps.
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).
- **Long service life:** LED rated life 60000 h (L80).
- **Efficient:** Luminous efficacy up to 147 lm/W.

INSTALLATION

- **Protected:** Protection type IP 65 for luminaire and control gear on room and ceiling side.
- **Robust:** Impact resistance IK06 for high impact resistance.
- **Uniform:** Flicker: DALI ≤ 1%, MultiLumen < 5%.
- **Plannable:** Easy to install thanks to extended connection cable (2 m).
- **Integrated:** Suitable for through wiring as standard.
- **Future-proof:** DALI variants IoT-ready.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Lay-in luminaires | PARLEDO



Type of protection: **IP 65**
Protection class: I
Impact protection: IK06

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Smooth diffuser: plastic (polycarbonate), opal or microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). LED backlight technology for homogeneous illumination of the entire light-emitting surface. External driver. Extended connection cable (2.0 m). Suitable for through wiring as standard. DALI variants IoT-ready.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest luminous flux.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Recessed ceiling luminaires for visible mounting rails - Module 600							**Price Category 21**
Diffuser: plastic (polycarbonate), opal							
312567.002.790 *	L 595, B 595, HE 160, HEL 41	840	4550...5600	31...40	147	21,7...22,4	on/off
312568.002.76	L 595, B 595, HE 160, HEL 41	840	4550	31	147	21,7	DALI
312569.002.76	L 595, B 595, HE 160, HEL 41	840	5600	40	140	22,4	DALI
Diffuser: plastic (polycarbonate) microprismatic							
312570.002.790 *	L 595, B 595, HE 160, HEL 41	840	4050...5000	31...40	131	17,3...18	on/off
312571.002.76	L 595, B 595, HE 160, HEL 41	840	4050	31	131	17,3	DALI
312572.002.76	L 595, B 595, HE 160, HEL 41	840	5000	40	125	18	DALI
Recessed ceiling luminaires for visible mounting rails - Module 625							**Price Category 21**
Diffuser: plastic (polycarbonate), opal							
312573.002.790 *	L 622, B 622, HE 160, HEL 41	840	4500...5550	31...40	146	21,3...22	on/off
312574.002.76	L 622, B 622, HE 160, HEL 41	840	4500	31	146	21,3	DALI
312575.002.76	L 622, B 622, HE 160, HEL 41	840	5550	40	139	22	DALI
Diffuser: plastic (polycarbonate) microprismatic							
312576.002.790 *	L 622, B 622, HE 160, HEL 41	840	4100...5100	31...40	133	17,1...17,8	on/off
312577.002.76	L 622, B 622, HE 160, HEL 41	840	4100	31	133	17,1	DALI
312578.002.76	L 622, B 622, HE 160, HEL 41	840	5100	40	128	17,8	DALI

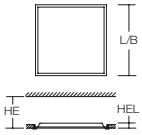
* **MultiLumen:** Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 31 W ≈
3 x 21 W T16 (69 W Psys)

LED 40 W ≈
4 x 21 W T16 (90 W Psys)

Lay-in luminaires | PARLEDO



Type of protection: **IP 65**
Protection class: I
Impact protection: IK06

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Smooth diffuser: plastic (polycarbonate), microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). LED backlight technology for homogeneous illumination of the entire light-emitting surface. Colour rendering index CRI > 90. Cyanosis Observation Index (COI) < 3.3. External driver. Extended connection cable (2.0 m). Suitable for through wiring as standard. DALI variants IoT-ready.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest luminous flux.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Recessed ceiling luminaires for visible mounting rails - Module 600							**Price Category 21**
Diffuser: plastic (polycarbonate) microprismatic							
312599.002.790 *	L 595, B 595, HE 160, HEL 41	940	4050...5000	32...41	127	17,3...18,1	on/off
312600.002.76	L 595, B 595, HE 160, HEL 41	940	4050	32	127	17,3	DALI
312601.002.76	L 595, B 595, HE 160, HEL 41	940	5000	41	122	18,1	DALI
Recessed ceiling luminaires for visible mounting rails - Module 625							**Price Category 21**
Diffuser: plastic (polycarbonate) microprismatic							
312602.002.790 *	L 622, B 622, HE 160, HEL 41	940	4050...5000	32...41	127	17...17,7	on/off
312603.002.76	L 622, B 622, HE 160, HEL 41	940	4050	32	127	17	DALI
312604.002.76	L 622, B 622, HE 160, HEL 41	940	5000	41	122	17,7	DALI

* **MultiLumen:** Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

CRI >90

Comparison
LED vs. conventional lamps

LED 32 W ≈
3 x 24 W T16 (75 W Psys)

LED 41 W ≈
4 x 24 W T16 (98 W Psys)

Accessories | Recessed mounting frame
Recessed mounting frame: sheet steel, powder-coated. For installation on suspended ceilings.
Minimum recess depth: 300 mm. Ceiling thickness: 1-30 mm



Mounting frame for installation in suspended ceilings			Price Category 21
981941.002	L 624, B 624, H 2, HE 94	for module 600	
981942.002	L 649, B 649, H 2, HE 94	for module 625	



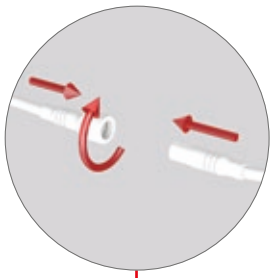


© Shutterstock

The application image shows:
PARLEDO

SIDELITE® ECO

Everything at a glance



Plug & Play

External driver with simple plug-in locking system and extended connecting cable (1.9 m).

HACCP

Recessed version suitable for use in the food and drink industry.

Luminaire frame: aluminium, powder-coated.

MultiLumen

MultiLumen version:
The user can choose from four different luminous flux levels.
This can be reversibly set manually on the external control gear.

UGR ≤ 19

Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with DIN EN 12464-1.

Tunable white versions, dynamically adjustable from 2700 K to 6500 K.

Ideal for use as part of the Human Centric Lighting concept in connection with our RZB light management systems.

Recessed version also available as an emergency luminaire in accordance with EN 60598-2-22.

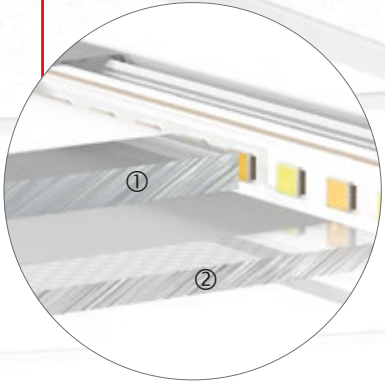
Automatic self test in all standard versions.

Wide luminaire spacing for escape routes.

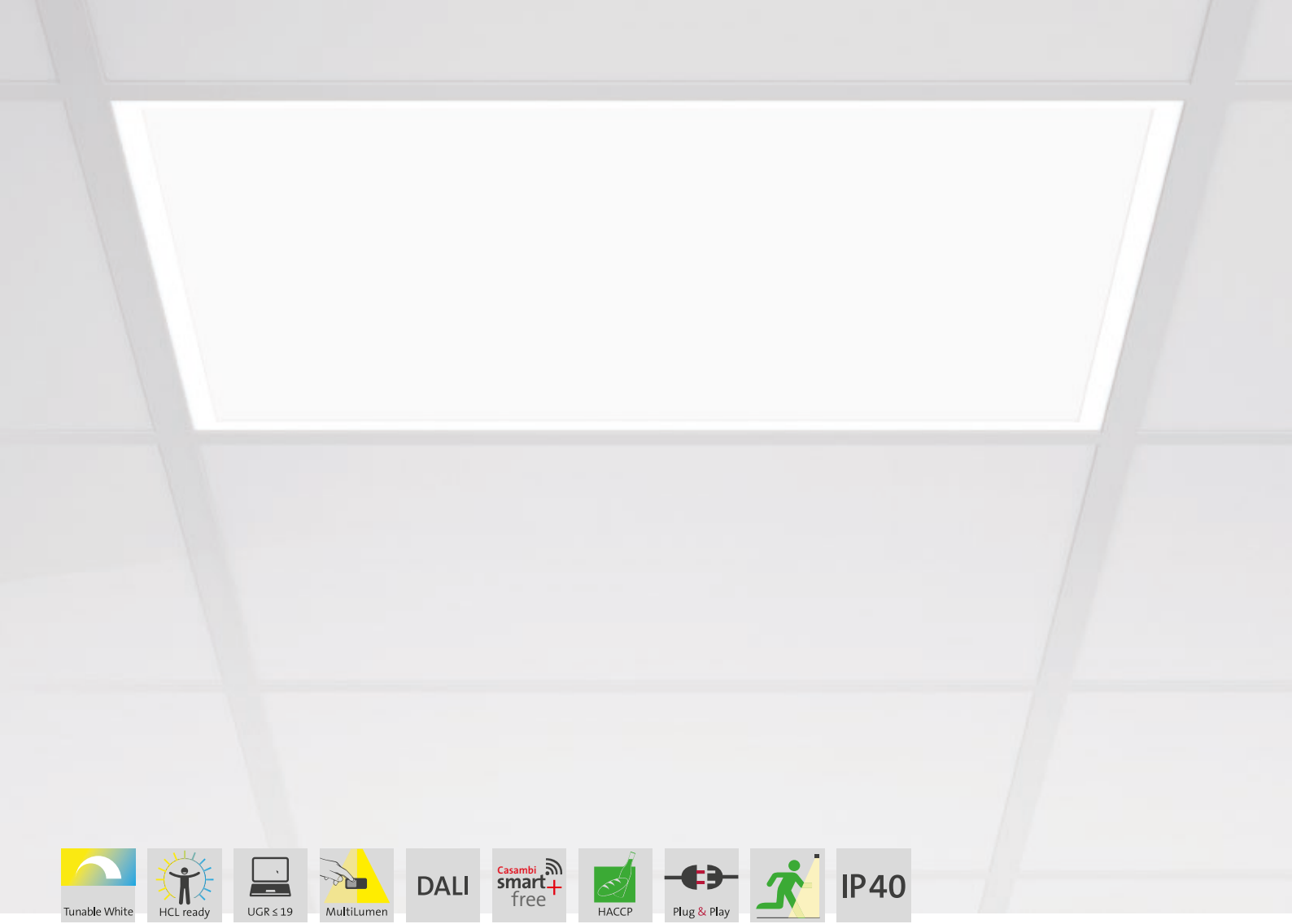
Extremely shallow installation depth (12 mm).

RZB SIDELITE® technology: lateral light injection for extremely homogeneous light distribution.

Lightguide ① and **diffuser** ② made of **non-yellowing PMMA** with microprismatic.



Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



SIDELITE® ECO

Recessed ceiling luminaires, Lay-in luminaires

ARCHITECTURE

- **Versatile:** Wide variety of versions within the luminaire range: 3 designs, 3 installation types, 2 diffusers.
- **Long service life:** Lightguide and diffuser made of non-yellowing PMMA with microprismatic.
- **Certified:** Qualified for use in the food and drink industry.
- **Safe:** Also available as an emergency luminaire in accordance with EN 60598-2-22.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Variable:** MultiLumen - 4-step adjustable luminous flux.
- **Dynamic:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Uniform:** RZB SIDELITE® technology: Lateral light injection for extremely homogeneous light distribution.
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).
- **Advantageous:** LED rated life 50,000 h (L80/B50).

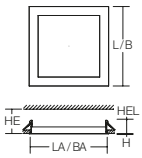
INSTALLATION

- **Easy installation:** External driver with simple plug-in locking system and extended converter connecting cable to luminaire (1.90 m).
- **Standard:** DALI and Casambi smart+free variants suitable for through wiring as standard.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.
- **Extensive:** Luminaire can be used with accessories (to be ordered separately) for recessed, surface mounting or as pendant luminaire.

Further luminaires of this series, see:
Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Suspended modular luminaires
Indoor lighting | Free-standing luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed ceiling luminaires | SIDELITE ECO



Type of protection: IP 20, **IP 40** on room side
Protection class: II
Ceiling thickness S: 1-25 mm
Impact protection: IK03

Luminaire frame: aluminium, powder-coated. Recessed mounting frame: sheet steel, powder-coated. Lightguide and diffuser made of non-yellowing plastic (PMMA). Lateral light emission thanks to LED. Extended connection cable (1.20 m). External driver (height 32 mm). DALI variants suitable for through wiring as standard.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency[#] [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							**Price Category 21**
cut out LA 315 x BA 315 mm							
Diffuser: plastic (PMMA), opal							
312380.002	L 324, B 324, H 2, HE 85, HEL 51	830	2100	19	111	25	on/off
312380.002.76	L 324, B 324, H 2, HE 85, HEL 51	830	2100	19	111	25	DALI
312380.002.1	L 324, B 324, H 2, HE 85, HEL 51	840	2200	19	116	25,1	on/off
312380.002.1.76	L 324, B 324, H 2, HE 85, HEL 51	840	2200	19	116	25,1	DALI

Comparison
LED vs. conventional lamps

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.



Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.	



The application image shows:
SIDELITE ECO

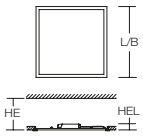


Comparison
LED vs. conventional lamps

LED 29 / 30 W ≈
4 x 14 W T16 (60 W Psys)

LED 38 W ≈
4 x 24 W T16 (98 W Psys)

Lay-in luminaires | SIDELITE ECO



Type of protection: IP 20, **IP 40** on room side
Protection class: II
Ceiling thickness S: 10-25 mm
Impact protection: IK03

Frame: aluminium, powder-coated. Diffuser: plastic (PMMA), opal or microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). Lightguide and diffuser made of non-yellowing plastic (PMMA). Lateral light emission thanks to LED. Extended connection cable (1.90 m). External driver. DALI and Casambi smart+free variants suitable for through wiring as standard.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest offered step.

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control	
Lay-in luminaires for grid ceilings - Module 600								**Price Category 21**
Diffuser: plastic (PMMA), opal								
312272.002.790	L 595, B 595, HE 160, HEL 37	830	3400...4300	29...38	118	21,5...22,3	on/off	✓
312272.002.76	L 595, B 595, HE 160, HEL 38	830	3400...4300	29...38	118	21,5...22,3	DALI	
312272.002.1.790	L 595, B 595, HE 160, HEL 37	840	3700...4600	29...38	128	21,8...22,6	on/off	✓
312272.002.1.76	L 595, B 595, HE 160, HEL 38	840	3700...4600	29...38	128	21,8...22,6	DALI	
Tunable White - 2700 K to 6500 K								
312272.002.2.730 *	L 595, B 595, HE 160, HEL 39	827-865	3000	30	100	20,4...20,7	smart+free	
Diffuser: plastic (PMMA) microprismatic								
312273.002.790	L 595, B 595, HE 160, HEL 37	830	3400...4300	29...38	118	17,9...18,7	on/off	✓
312273.002.76	L 595, B 595, HE 160, HEL 38	830	3400...4300	29...38	118	17,9...18,7	DALI	
312273.002.1.790 .Q	L 595, B 595, HE 160, HEL 37	840	3700...4600	29...38	128	18,2...18,9	on/off	✓
312273.002.1.76	L 595, B 595, HE 160, HEL 38	840	3700...4600	29...38	128	18,2...18,9	DALI	
Tunable White - 2700 K to 6500 K								
312273.002.2.730 *	L 595, B 595, HE 160, HEL 39	827-865	3050	30	102	17,3...17,7	smart+free	
Lay-in luminaires for grid ceilings - Module 625								**Price Category 21**
Diffuser: plastic (PMMA), opal								
312274.002.790	L 622, B 622, HE 160, HEL 37	830	3400...4300	29...38	118	21,3...22,1	on/off	✓
312274.002.76	L 622, B 622, HE 160, HEL 38	830	3400...4300	29...38	118	21,3...22,1	DALI	
312274.002.1.790 .Q	L 622, B 622, HE 160, HEL 37	840	3700...4600	29...38	128	21,6...22,3	on/off	✓
312274.002.1.76	L 622, B 622, HE 160, HEL 38	840	3700...4600	29...38	128	21,6...22,3	DALI	
Tunable White - 2700 K to 6500 K								
312274.002.2.730 *	L 622, B 622, HE 160, HEL 39	827-865	2900	30	97	20,1...20,5	smart+free	
Diffuser: plastic (PMMA) microprismatic								
312275.002.790	L 622, B 622, HE 160, HEL 37	830	3400...4300	29...38	118	17,7...18,5	on/off	✓
312275.002.76	L 622, B 622, HE 160, HEL 38	830	3400...4300	29...38	118	17,7...18,5	DALI	
312275.002.1.790 .Q	L 622, B 622, HE 160, HEL 37	840	3700...4600	29...38	128	18...18,7	on/off	✓
312275.002.1.76	L 622, B 622, HE 160, HEL 38	840	3700...4600	29...38	128	18...18,7	DALI	
Tunable White - 2700 K to 6500 K								
312275.002.2.730 *	L 622, B 622, HE 160, HEL 39	827-865	3050	29	106	17,1...17,4	smart+free	

MultiLumen version: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.
* 0.35 m power cable

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Accessories | Recessed mounting frame
Recessed mounting frame: sheet steel, powder-coated, white. For installation on suspended ceilings. Minimum recess depth: 300 mm.
Ceiling thickness: 1-30 mm



Mounting frame for installation in suspended ceilings			Price Category 21
981941.012	L 624, B 624, H 2, HE 94	for module 600	
981942.012	L 649, B 649, H 2, HE 94	for module 625	



Spring system set, Ceiling thickness: 10-25 mm		Price Category 21
981979.020	consisting of 4 installation springs | for module 625	

not suitable for tunable white version

Accessories | Surface mounting frame
Mounting frame: sheet steel, powder-coated, white.



Surface mounting frame			Price Category 21
982187.032	L 602, B 602, H 52	for module 600	
982292.022	L 627, B 627, H 47	for module 625	



Ceiling surface mounting kit		Price Category 21
981980.012	consisting of 4 cylindrical spacers (Ø 30, H 38) | for module 600 / 1200	

not suitable for tunable white version

Accessories | Pendant kit
Pendant kit consisting of 4 steel cables and ceiling mounting with rapid cable adjustment



Pendant kit			Price Category 21
981978.010	LP 1500	for module 600	

not suitable for tunable white version

Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.



Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.	



© Linus Lintner

The application image shows:
SIDELITE ECO



Comparison
LED vs. conventional lamps

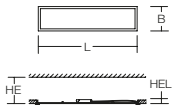
LED 29 W ≈
1 x 54 W T16 (58 W Psys)
2 x 28 W T16 (61 W Psys)

LED 38 W ≈
1 x 80 W T16 (86 W Psys)
2 x 39 W T16 (82 W Psys)

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Lay-in luminaires | SIDELITE ECO



Type of protection: IP 20, **IP 40** on room side
Protection class: II
Ceiling thickness S: 10-25 mm
Impact protection: IK03

Frame: aluminium, powder-coated. Diffuser: plastic (PMMA), opal or microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). Lightguide and diffuser made of non-yellowing plastic (PMMA). Lateral light emission thanks to LED. Extended connection cable (1.90 m). External driver. DALI variants suitable for through wiring as standard.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest offered step.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control	✓
Lay-in luminaires for grid ceilings - Module 1200								**Price Category 21**
Diffuser: plastic (PMMA), opal								
312365.002.790	L 1195, B 295, HE 160, HEL 37	830	3200...4000	29...38	111	21,1...21,8	on/off	✓
312365.002.76	L 1195, B 295, HE 160, HEL 38	830	3200...4000	29...38	111	21,1...21,8	DALI	
312365.002.1.790	L 1195, B 295, HE 160, HEL 37	840	3500...4400	29...38	121	21,4...22,2	on/off	✓
312365.002.1.76	L 1195, B 295, HE 160, HEL 38	840	3500...4400	29...38	121	21,4...22,2	DALI	
Diffuser: plastic (PMMA) microprismatic								
312366.002.790	L 1195, B 295, HE 160, HEL 37	830	3200...4000	29...38	111	18...18,8	on/off	✓
312366.002.76	L 1195, B 295, HE 160, HEL 38	830	3200...4000	29...38	111	18...18,8	DALI	
312366.002.1.790	L 1195, B 295, HE 160, HEL 37	840	3500...4400	29...38	121	18,3...19,1	on/off	✓
312366.002.1.76	L 1195, B 295, HE 160, HEL 38	840	3500...4400	29...38	121	18,3...19,1	DALI	
Lay-in luminaires for grid ceilings - Module 1250								**Price Category 21**
Diffuser: plastic (PMMA), opal								
312367.002.790	L 1245, B 308, HE 160, HEL 37	830	3200...4000	29...38	111	21,2...22	on/off	✓
312367.002.76	L 1245, B 308, HE 160, HEL 38	830	3200...4000	29...38	111	21,2...22	DALI	
312367.002.1.790	L 1245, B 308, HE 160, HEL 37	840	3500...4400	29...38	121	21,5...22,3	on/off	✓
312367.002.1.76	L 1245, B 308, HE 160, HEL 38	840	3500...4400	29...38	121	21,5...22,3	DALI	
Diffuser: plastic (PMMA) microprismatic								
312368.002.790	L 1245, B 308, HE 160, HEL 37	830	3200...4000	29...38	111	17,5...18,2	on/off	✓
312368.002.76	L 1245, B 308, HE 160, HEL 38	830	3200...4000	29...38	111	17,5...18,2	DALI	
312368.002.1.790	L 1245, B 308, HE 160, HEL 37	840	3500...4400	29...38	121	17,8...18,6	on/off	✓
312368.002.1.76	L 1245, B 308, HE 160, HEL 38	840	3500...4400	29...38	121	17,8...18,6	DALI	

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



Accessories | Recessed mounting frame
Recessed mounting frame: sheet steel, powder-coated, white. For installation on suspended ceilings. Minimum recess depth: 300 mm.
Ceiling thickness: 1-30 mm

Mounting frame for installation in suspended ceilings			Price Category 21
982106.012	L 1224, B 324, H 2, HE 94	for module 1200	



Spring system set, Ceiling thickness: 10-25 mm		Price Category 11
981979.030	consisting of 6 installation springs | for module 1250	

Accessories | Surface mounting frame
Mounting frame: sheet steel, powder-coated, white.

Surface mounting frame			Price Category 21
982190.042	L 1202, B 302, H 47	for module 1200	
982295.032	L 1252, B 315, H 47	for module 1250	



Ceiling surface mounting kit		Price Category 21
981980.012	consisting of 4 cylindrical spacers (Ø 30, H 38) | for module 600 / 1200	

not suitable for tunable white version



Pendant kit			Price Category 21
982035.022	L 300, B 100, H 50, LP 300-1500	Y-pendant set with canopy | for module 1200	



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



The application image shows:
SIDELITE ECO

© Linus Lintner



HCL COMPLETE PACKAGE

Light management

The HCL (Human Centric Lighting) complete package consisting of **4 recessed lay-in SIDELITE ECO luminaires with tunable white function** (TW 2700 K - 6500 K) and **control including light and presence sensor**, simulates the natural course of daylight in the sun and thus supports activity and well-being. Recessed ceiling sensor included.

The HCL complete package can be flexibly adjusted to your project:

A total of up to 32 luminaires (each 1 x EB DALI®) can be controlled. In addition, up to 4 sensors (type 982757.002) can be connected (with the ceiling installation housing 01-8613.002). (1 sensor is included in the scope of delivery.)

ARCHITECTURE

- **Environmentally friendly:** Energy savings up to 80% (compared to manual switching).
- **Sustainable:** Extends service life of lighting system.
- **Versatile:** Lighting control with Bluetooth® app connection.

LIGHTING DESIGN

- **Compatible:** Suitable for daylight- and presence-dependent lighting.
- **Flexible:** Circadian daylight simulation (HCL).
- **Individual:** Different operating modes (on request).
- **Plannable:** Integrated real-time clock.

INSTALLATION

- **Easy installation:** Plug & Play.
- **Powerful:** Up to 32 DALI converters.
- **Suitable for integration:** Up to 4 sensors.
- **Straightforward:** Commissioning via app.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



Reference number

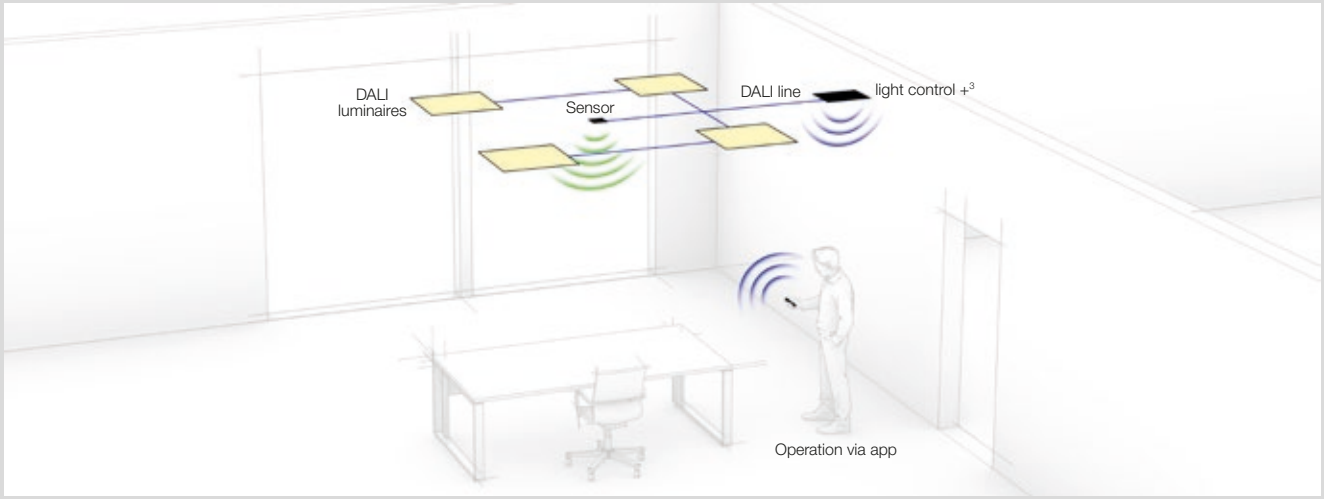
HCL complete package - Module 600		Price Category 21
99050.1169	1 x light control +³ Economy MULTI DALI 1 x Light and presence sensor incl. installation housing 4 x SIDELITE ECO (312273.002.2.76AB): Lay-in luminaires for grid ceilings (Frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). Lightguide and diffuser made of non-yellowing plastic (PMMA). Lateral light emission thanks to LED. External driver. Tunable white versions, dynamically adjustable from 2700 K to 6500 K.)	

HCL complete package - Module 625		Price Category 21
99050.1167	1 x light control +³ Economy MULTI DALI 1 x Light and presence sensor incl. installation housing 4 x SIDELITE ECO (312275.002.2.76): Lay-in luminaires for grid ceilings (Frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). Lightguide and diffuser made of non-yellowing plastic (PMMA). Lateral light emission thanks to LED. External driver. Tunable white versions, dynamically adjustable from 2700 K to 6500 K.)	

PROJECT EXAMPLE: HCL in a single office (25 m²) with a grid ceiling

It couldn't be simpler than this! You only require ONE HCL complete package: purchase - install - finished!

1 x HCL complete package - Module 600 or 625

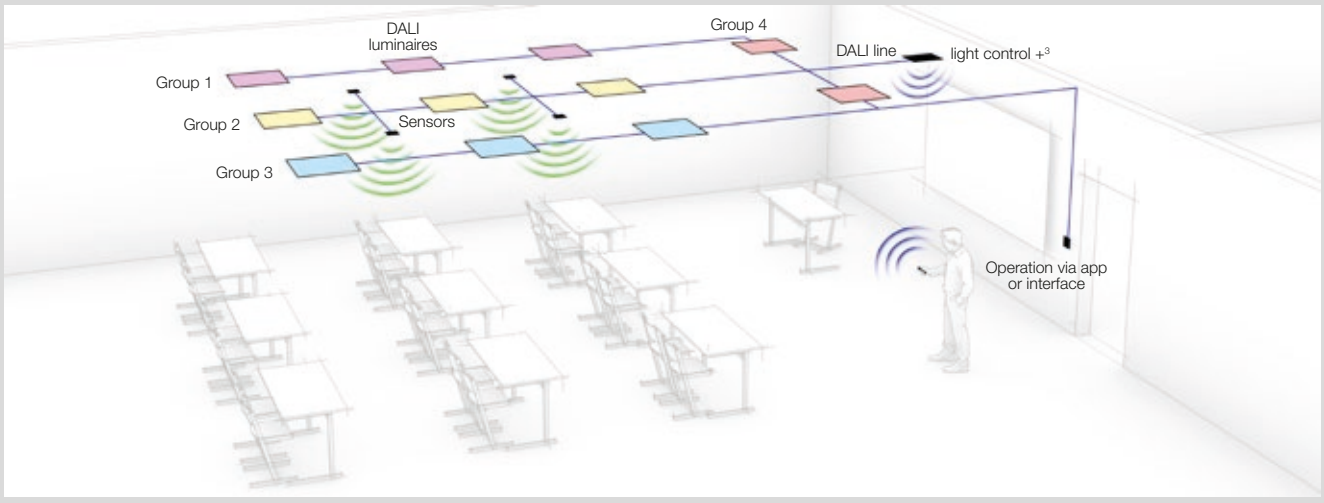


PROJECT EXAMPLE: HCL in a classroom (50 m²) with a grid ceiling

Can be expanded as needed! Simply expand ONE HCL complete package with the desired individual components.

Ideal for renovation work in schools and educational buildings!

1 x HCL complete package - Module 600 or 625
7 x Additional luminaires Sidelite ECO (312273.002.2.76 or 312275.002.2.76)
3 x Additional sensors (982757.002 with 01-8613.002)
1 x Push-button coupler (982755.002)

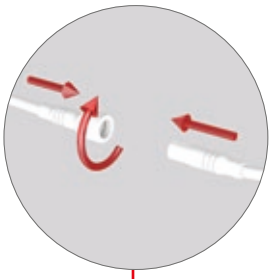


Bluetooth® communication

Light and motion detection

KALEEA

Everything at a glance



Plug & Play

External driver with simple plug-in locking system.

Luminaire frame: aluminium, powder-coated.

MultiLumen

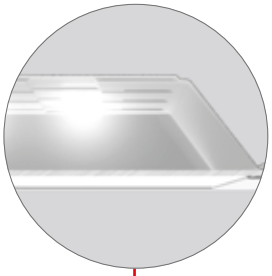
MultiLumen version:
The user can choose from four different luminous flux levels. This can be reversibly set manually on the external control gear.

CRI >90

Colour rendering index CRI >90 for true-to-life colour reproduction.



KALEEA also available as an emergency luminaire in accordance with EN 60598-2-22.



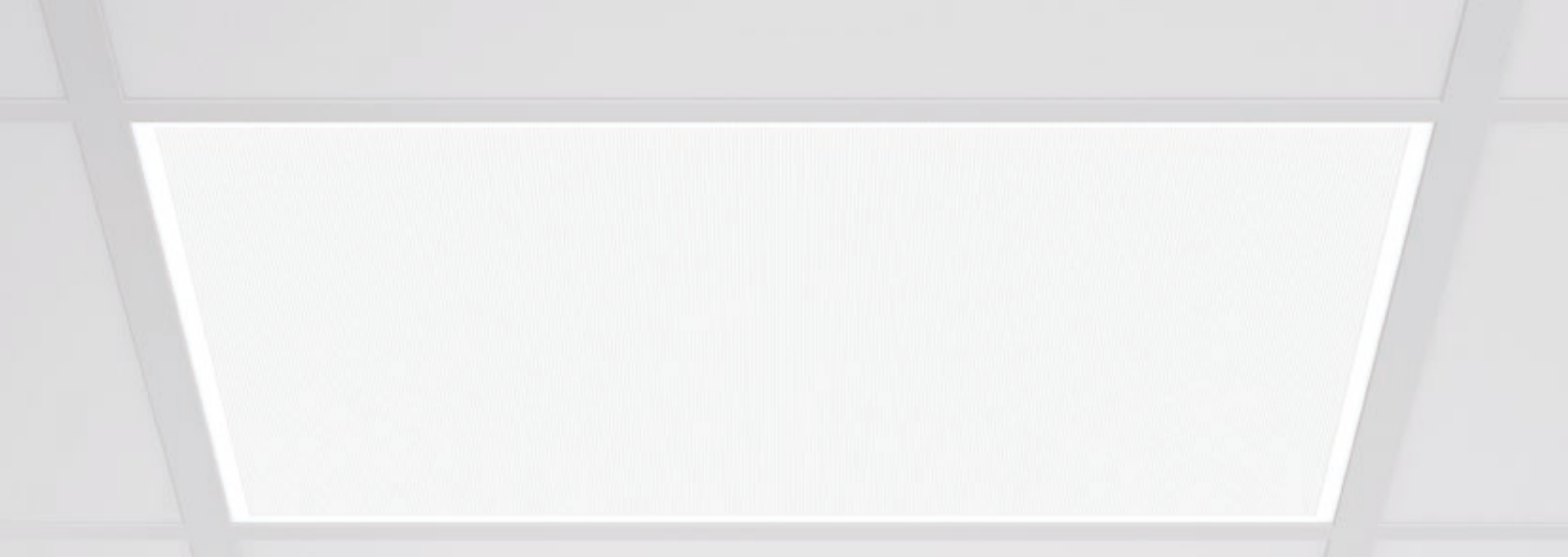
LED backlight technology for homogeneous illumination of the entire light-emitting surface.





Ideal for office areas (UGR ≤19) and environments with computer screens in accordance with DIN EN 12464-1.

Diffusor made of **non-yellowing PMMA**, microprismatic.



KALEEA

Lay-in luminaires

ARCHITECTURE

- **Versatile:** 2 module sizes.
- **Long service life:** version with diffuser plastic made of non-yellowing PMMA.
- **Efficient:** Advanced LED backlight technology.
- **Uniform:** Extremely uniform appearance of the light-emitting surface thanks to Backlight-Technology.
- **Combinable:** Also available as an emergency luminaire in accordance with EN 60598-2-22.

LIGHTING DESIGN

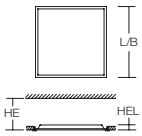
- **Anti-glare:** Suitable for office areas and computer workstations.
- **True colours:** Designs with CRI ≥ 90 for the most realistic possible perception of colours of surroundings, objects and people.
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).

INSTALLATION

- **Straightforward:** External driver with simple plug-in locking system.
- **Versatile:** Through-wiring or surface-mounted frame optionally available.
- **Flexible:** MultiLumen variants - 4 steps adjustable luminous flux.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Lay-in luminaires | KALEEA





Type of protection: IP 20, **IP 40** on room side
Protection class: II
Impact protection: IK02

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Diffuser made of non-yellowing plastic (PMMA) microprismatic. Suitable for use in environments with computer screens in accordance with EN 12464-1. External driver.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the second offered step.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Lay-in luminaires for grid ceilings - Module 600							**Price Category 21**
312463.002.1.790 .Q	L 595, B 595, HE 160, HEL 33	840	3100...4400	24...36	130	17,6...18,9	on/off
312463.002.1.76	L 595, B 595, HE 160, HEL 33	840	3100...4400	24...36	130	17,6...18,9	DALI
312627.002.1.790	L 595, B 595, HE 160, HEL 33	940	3300...4650	24...35	138	18...19,2	on/off
312627.002.1.76	L 595, B 595, HE 160, HEL 33	940	3300...4650	24...35	138	18...19,2	DALI
Lay-in luminaires for grid ceilings - Module 625							**Price Category 21**
312464.002.1.790 .Q	L 620, B 620, HE 160, HEL 33	840	3300...4600	24...36	138	17,5...18,7	on/off
312464.002.1.76 .Q	L 620, B 620, HE 160, HEL 33	840	3300...4600	24...36	138	17,5...18,7	DALI
312628.002.1.790	L 620, B 620, HE 160, HEL 33	940	3200...4550	24...35	134	17,5...18,7	on/off
312628.002.1.76	L 620, B 620, HE 160, HEL 33	940	3200...4550	24...35	134	17,5...18,7	DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.





Comparison
LED vs. conventional lamps

LED 24 W ≈
4 x 14 W T16 (60 W Psys)

LED 35 / 36 W ≈
3 x 24 W T16 (75 W Psys)

Accessories | Surface mounting frame

Surface mounting frame, white. Consists of 4 powder-coated extruded aluminum profiles and 4 plastic corner connectors.



Surface mounting frame			Price Category 21
982727.002	L 602, B 602, H 75	for module 600	
982728.002	L 627, B 627, H 75	for module 625	

Accessories | Recessed mounting frame

Recessed mounting frame: sheet steel, powder-coated, white. For installation on suspended ceilings. Minimum recess depth: 300 mm.
Ceiling thickness: 1-30 mm



Mounting frame for installation in suspended ceilings			Price Category 21
982957.002	L 622, B 622, H 2, HE 93	for module 600	
982958.002	L 646, B 646, H 2, HE 93	for module 625	

Accessories | Through-wiring box

Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.



Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm^2 or 3 x 2.5 mm^2 possible.	

Safety cable set		Price Category 11
982811.010	Safety cable set up to 10 kg	





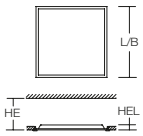
LED backlight technology for homogeneous illumination of the entire light-emitting surface.



Comparison
LED vs. conventional lamps

LED 35 / 36 W ≈
3 x 24 W T16 (75 W Psys)

Lay-in luminaires | KALEEA BASIC



Type of protection: IP 20, **IP 40** on room side
Protection class: II
Impact protection: IK03

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Diffuser plastic micro-prismatic. Suitable for use in environments with computer screens in accordance with EN 12464-1. External driver.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Lay-in luminaires for grid ceilings - Module 600							**Price Category 21**
312558.002.1 .Q	L 595, B 595, HE 160, HEL 33	840	3450	35	99	18	on/off
312558.002.1.76	L 595, B 595, HE 160, HEL 33	840	3450	35	99	18	DALI
Lay-in luminaires for grid ceilings - Module 625							**Price Category 21**
312559.002.1 .Q	L 620, B 620, HE 160, HEL 33	840	3600	36	100	17,8	on/off
312559.002.1.76	L 620, B 620, HE 160, HEL 33	840	3600	36	100	17,8	DALI



Accessories | Surface mounting frame
Surface mounting frame, white. Consists of 4 powder-coated extruded aluminum profiles and 4 plastic corner connectors.

Surface mounting frame			Price Category 21
982727.002	L 602, B 602, H 75	for module 600	
982728.002	L 627, B 627, H 75	for module 625	



Accessories | Recessed mounting frame
Recessed mounting frame: sheet steel, powder-coated, white. For installation on suspended ceilings. Minimum recess depth: 300 mm. Ceiling thickness: 1-30 mm

Mounting frame for installation in suspended ceilings			Price Category 21
982957.002	L 622, B 622, H 2, HE 93	for module 600	
982958.002	L 646, B 646, H 2, HE 93	for module 625	



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

Through-wiring box			Price Category 21
982703.012	L 98, B 55, H 28	3 pole, cable cross-sections of up to 3 x 1.5 mm^2 or 3 x 2.5 mm^2 possible.	
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm^2 or 3 x 2.5 mm^2 possible.	



Safety cable set		Price Category 11
982811.010	Safety cable set up to 10 kg	



LED backlight technology for homogeneous illumination of the entire light-emitting surface.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



© Shutterstock

The application image shows:
KALEEA



DALI | Plug & Play | IP40 | IK06

GERMAN DESIGN AWARD WINNER 2018

TOLEDO FLAT

Lay-in luminaires

ARCHITECTURE

- **Advantageous:** Extension of the highly successful LED downlight range as recessed luminaire for grid ceilings.
- **Reduced:** Extra flat design.
- **Applicable:** Offices, meeting rooms, corridors, side rooms.

LIGHTING DESIGN

- **Homogenous:** Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic.
- **Optimum:** LED rated life 50,000 h (L80/B50).
- **Combinable:** Retrofittable decorative chintz lampshades as accessory.

INSTALLATION

- **Straightforward:** Quick and easy to install.
- **Easy installation:** Easy installation with Plug & Play plug connection.
- **Expandable:** DALI variants suitable for through wiring as standard.

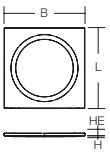


Further luminaires of this series, see:

Indoor lighting | Recessed downlights
Indoor lighting | Surface mounted downlights
Indoor lighting | Pendant luminaires
Indoor lighting | Fabric lampshade luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Lay-in luminaires | TOLEDO FLAT





Type of protection: **IP 40**
Protection class: II
Impact protection: IK06

Recessed frame: sheet steel, powder-coated. Housing: die-cast aluminium. Diffuser made of non-yellowing PMMA, choice of opal matt or prismatic. Including separate LED converter with connecting cable 250 mm.

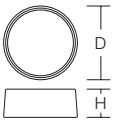
Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Lay-in luminaires for grid ceilings - Module 600								**Price Category 21**
Diffuser: plastic (PMMA), opal								
901591.002	L 595, B 595, H 6, HE 43	830	3550	30	119	113	23,9	on/off
901591.002.76	L 595, B 595, H 6, HE 43	830	3550	30	119	113	23,9	DALI
901591.002.1	L 595, B 595, H 6, HE 43	840	3600	30	120	113	23,9	on/off
901591.002.1.76	L 595, B 595, H 6, HE 43	840	3600	30	120	113	23,9	DALI
Diffuser: plastic (PMMA), transparent microprismatic								
901589.002	L 595, B 595, H 6, HE 43	830	3450	30	115	88	21,1	on/off
901589.002.76	L 595, B 595, H 6, HE 43	830	3450	30	115	88	21,1	DALI
901589.002.1	L 595, B 595, H 6, HE 43	840	3550	30	119	88	21,4	on/off
901589.002.1.76	L 595, B 595, H 6, HE 43	840	3550	30	119	88	21,4	DALI
Lay-in luminaires for grid ceilings - Module 625								**Price Category 21**
Diffuser: plastic (PMMA), opal								
901592.002	L 622, B 622, H 6, HE 43	830	3550	30	119	113	23,9	on/off
901592.002.76	L 622, B 622, H 6, HE 43	830	3550	30	119	113	23,9	DALI
901592.002.1	L 622, B 622, H 6, HE 43	840	3600	30	120	113	23,9	on/off
901592.002.1.76	L 622, B 622, H 6, HE 43	840	3600	30	120	113	23,9	DALI
Diffuser: plastic (PMMA), transparent microprismatic								
901590.002	L 622, B 622, H 6, HE 43	830	3450	30	115	88	21,1	on/off
901590.002.76	L 622, B 622, H 6, HE 43	830	3450	30	115	88	21,1	DALI
901590.002.1	L 622, B 622, H 6, HE 43	840	3550	30	119	88	21,4	on/off
901590.002.1.76	L 622, B 622, H 6, HE 43	840	3550	30	119	88	21,4	DALI

Comparison
LED vs. conventional lamps

LED 30 W ≈
3 x 26 W TC-D (102 W Psys)
4 x 14 W T16 (60 W Psys)
4 x 18 W T26 (71 W Psys)

Accessories | Chintz decorative element TOLEDO FLAT round





Fabric shade with classic chintz fabric. Can be retrofitted without tools to the recessed downlight. Various fabric colors available.

Color code must be specified in the order.

Available colour (Y): Color code overview see page 317.

Please be aware of possible increased freight charges for deliveries outside of Germany.

without diffuser

Chintz lampshades			**Price Category 21**
982323.002	D 500, H 60	Chintz decorative cylinder for TOLEDO FLAT round D 495	

Cannot be fitted with surface mount housing



Satin finish plastic diffuser (optional)			**Price Category 21**
Can be installed on the decorative element without any tools			
982328.002	D 498, H 4	Accessories for chintz decorative cylinder D 500	

Diffusers with Chintz fabric in all colours on request.

with diffuser

Colour chart Chintz lampshades			**Price Category 21**
W06630	L 150, B 65, H 40	Chintz lampshades are available in more than 50 different colours.	

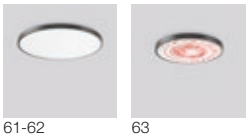


Further luminaires of this series
and a colour chart with more than 50
available colours, see:
Indoor Lighting: Fabric lampshade luminaires



The application image shows:
TRIONA round
LESS IS MORE 27

© Sajovic & Scherr Fotografie


61-62

63

TRIONA round
58-63


64-65

TRIONA square
58-60 | 64-65


66-67


66-67

TRIONA rectangle
58-60 | 66-67


69


69


69


69

SONIS EVO
68-69

73

73


73

SIDELITE
70-73


74

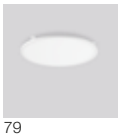

75

SIDELITE round
70-72 | 74-75


78

78

79


79

SIDELITE ECO
76-79


81

SONIS A
80-81

TRIONA®

Everything at a glance

UGR ≤ 19

Diffuser plastic opal/microprismatic: ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1.

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Casambi smart+ free



3 different colours are available for the very flat and seamless extruded aluminium profile.

Special colors on request.

Tunable White

HCL ready

Tunable white versions, dynamically adjustable from 2700 K to 6500 K.

Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.

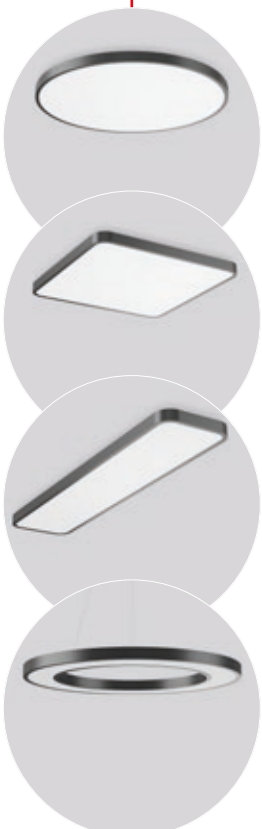
3 types of installation

recessed (TRIONA round)
surface mounted
pendant



3 designs

round
square
rectangle



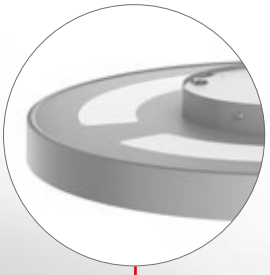
TRIONA ring

coming soon

Plug & Play

Very easy plug-in installation (Quick connector).

No disposable luminaire thanks to replaceable components.



Indirect light emission through **non-yellowing** plastic **(PMMA) diffuser**, satin finish.



2 light emission characteristics

direct
direct/indirect



5 diffusers

Plastic (PMMA), opal
Plastic (PMMA) opal/microprismatic
Glass FerroMurano (TRIONA round)





Tunable White | HCL ready | UGR ≤ 19 | DALI | Casambi smart+ free | Touch DIM | Plug & Play

reddot award 2019 winner

GERMAN DESIGN AWARD WINNER 2019

TRIONA®

Ceiling and wall luminaires

ARCHITECTURE

- **Extensive:** 3 designs, 4 sizes, 3 types of installation, 5 diffusers, 3 colours.
- **Versatile:** Built-in, surface-mounted and suspended luminaires.
- **Design-oriented:** This lighting fixture's diffuser is incorporated into an extruded aluminium profile just 50 mm thick.
- **Individual:** Plastic diffuser (PMMA), microprismatic, opal, or for TRIONA round, with optional hand-finished FerroMurano glass.

LIGHTING DESIGN

- **Homogenous:** Particularly homogeneous, soft and glare-free light.
- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Applicable:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Advantageous:** Direct or direct/indirect light emission.

INSTALLATION

- **Easy installation:** Tool-free assembly.
- **Straightforward:** Very easy installation thanks to plug & play connection.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

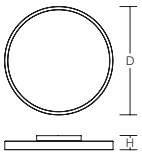


Further luminaires of this series, see:

Indoor lighting | Recessed modular luminaires
Indoor lighting | Suspended modular luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | TRIONA round - Diffuser microprismatic





Type of protection: IP 20
Protection class: I
Impact protection: IK03

Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal/microprismatic diffuser (screen-compliant in accordance with EN 12464-1). Tool-free mounting via bayonet connection. Driver integrated.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires - Direct light emission							**Price Category 21**
Diameter D 461 mm							
312423.00X.76	D 461, H 88	830	3150	28	113	20,8	DALI
312423.00X.730	D 461, H 88	830	3150	28	113	20,8	smart+free
312423.00X.1.76	D 461, H 88	840	3250	28	116	20,9	DALI
312423.00X.1.730	D 461, H 88	840	3250	28	116	20,9	smart+free
Tunable White - 2700 K to 6500 K							
312423.00X.2.76	D 461, H 88	827-865	2700	29	93	20...20,2	DALI
312423.00X.2.730	D 461, H 88	827-865	2700	29	93	20...20,2	smart+free
Diameter D 681 mm							
312296.00X.76	D 681, H 88	830	3750	31	121	18,7	DALI
312296.00X.730	D 681, H 88	830	3750	31	121	18,7	smart+free
312296.00X.1.76	D 681, H 88	840	3900	31	126	18,8	DALI
312296.00X.1.730	D 681, H 88	840	3900	31	126	18,8	smart+free
Tunable White - 2700 K to 6500 K							
312296.00X.2.76	D 681, H 88	827-865	3550	40	89	17,9...18	DALI
312296.00X.2.730	D 681, H 88	827-865	3550	40	89	17,9...18	smart+free
Diameter D 845 mm							
312299.00X.76	D 845, H 88	830	8050	66	122	19,4	DALI
312299.00X.730	D 845, H 88	830	8050	66	122	19,4	smart+free
312299.00X.1.76	D 845, H 88	840	8350	66	127	19,5	DALI
312299.00X.1.730	D 845, H 88	840	8350	66	127	19,5	smart+free
Tunable White - 2700 K to 6500 K							
312299.00X.2.76	D 845, H 88	827-865	5050	49	103	17,8...18	DALI
312299.00X.2.730	D 845, H 88	827-865	5050	49	103	17,8...18	smart+free
Diameter D 1009 mm							
312302.00X.76	D 1009, H 88	830	9400	84	112	18,9	DALI
312302.00X.730	D 1009, H 88	830	9400	84	112	18,9	smart+free
312302.00X.1.76	D 1009, H 88	840	9750	84	116	19	DALI
312302.00X.1.730	D 1009, H 88	840	9750	84	116	19	smart+free
Tunable White - 2700 K to 6500 K							
312302.00X.2.76	D 1009, H 88	827-865	6000	61	98	16,7...16,9	DALI
312302.00X.2.730	D 1009, H 88	827-865	6000	61	98	16,7...16,9	smart+free
Ceiling and wall luminaires - Direct 70%, indirect 30% light emission							**Price Category 21**
Diameter D 461 mm							
312424.00X.76	D 461, H 88	830	3700	38	97	19,4	DALI
312424.00X.730	D 461, H 88	830	3700	38	97	19,4	smart+free
312424.00X.1.76	D 461, H 88	840	3850	38	101	19,5	DALI
312424.00X.1.730	D 461, H 88	840	3850	38	101	19,5	smart+free
Tunable White - 2700 K to 6500 K							
312424.00X.2.76	D 461, H 88	827-865	3250	38	86	18,8...18,9	DALI
312424.00X.2.730	D 461, H 88	827-865	3250	38	86	18,8...18,9	smart+free
Diameter D 681 mm							
312297.00X.76	D 681, H 88	830	6700	64	105	17,6	DALI
312297.00X.730	D 681, H 88	830	6700	64	105	17,6	smart+free
312297.00X.1.76	D 681, H 88	840	6950	64	109	17,7	DALI
312297.00X.1.730	D 681, H 88	840	6950	64	109	17,7	smart+free
Tunable White - 2700 K to 6500 K							
312297.00X.2.76	D 681, H 88	827-865	4800	61	79	16...16,1	DALI
312297.00X.2.730	D 681, H 88	827-865	4800	61	79	16...16,1	smart+free
Diameter D 845 mm							
312300.00X.76	D 845, H 88	830	10600	103		17,1	DALI
312300.00X.730	D 845, H 88	830	10600	103		17,1	smart+free
312300.00X.1.76	D 845, H 88	840	11000	103	107	17,2	DALI
312300.00X.1.730	D 845, H 88	840	11000	103	107	17,2	smart+free
Tunable White - 2700 K to 6500 K							
312300.00X.2.76	D 845, H 88	827-865	7200	76	95	15,8...16	DALI
312300.00X.2.730	D 845, H 88	827-865	7200	76	95	15,8...16	smart+free
Diameter D 1009 mm							
312303.00X.76	D 1009, H 88	830	12600	115	110	17,1	DALI
312303.00X.730	D 1009, H 88	830	12600	115	110	17,1	smart+free
312303.00X.1.76	D 1009, H 88	840	13100	115	114	17,3	DALI
312303.00X.1.730	D 1009, H 88	840	13100	115	114	17,3	smart+free
Tunable White - 2700 K to 6500 K							
312303.00X.2.76	D 1009, H 88	827-865	7750	85	91	15,1...15,3	DALI
312303.00X.2.730	D 1009, H 88	827-865	7750	85	91	15,1...15,3	smart+free

Light colour 827 on request.

Comparison LED vs. conventional lamps

LED 28 / 29 / 31 W ≈
1 x 55 W T16-R (60 W Psys)

LED 38 / 40 W ≈
1 x 60 W T16-R (65 W Psys)

LED 49 W ≈
3 x 32 W TC-TEL (105 W Psys)

LED 61 W ≈
2 x 57 W TC-TEL (116 W Psys)

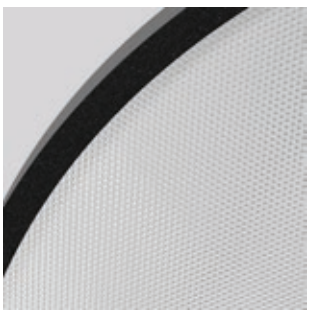
LED 64 W ≈
3 x 42 W TC-TEL (137 W Psys)

LED 66 W ≈
4 x 42 W TC-TEL (180 W Psys)

LED 76 / 85 W ≈
3 x 57 W TC-TEL (175 W Psys)

LED 84 / 103 W ≈
4 x 57 W TC-TEL (232 W Psys)

LED 115 W ≈
5 x 57 W TC-TEL (290 W Psys)





Applies to versions with .76

Comparison LED vs. conventional lamps

LED 29 W ≈
1 x 55 W T16-R (60 W Psys)

LED 38 / 40 W ≈
1 x 60 W T16-R (65 W Psys)

LED 48 / 49 / 61 W ≈
3 x 32 W TC-TEL (105 W Psys)

LED 64 / 70 / 76 W ≈
4 x 32 W TC-TEL (138 W Psys)

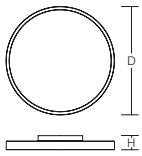
LED 80 / 85 W ≈
4 x 42 W TC-TEL (180 W Psys)

LED 106 W ≈
4 x 57 W TC-TEL (232 W Psys)

LED 133 / 149 W ≈
5 x 57 W TC-TEL (290 W Psys)



Ceiling and wall luminaires | TRIONA round - Diffuser opal



Type of protection: IP 20
Protection class: I
Impact protection: IK03

Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal diffuser. Tool-free mounting via bayonet connection. Driver integrated.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

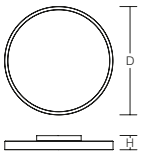
Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires - Direct light emission							**Price Category 21**
Diameter D 461 mm							
312419.00X.76	D 461, H 88	830	4650	48	97	24,4	DALI
312419.00X.730	D 461, H 88	830	4650	48	97	24,4	smart+free
312419.00X.1.76	D 461, H 88	840	4900	48	102	24,6	DALI
312419.00X.1.730	D 461, H 88	840	4900	48	102	24,6	smart+free
Tunable White - 2700 K to 6500 K							
312419.00X.2.76	D 461, H 88	827-865	2450	29	84	22,1...22,3	DALI
312419.00X.2.730	D 461, H 88	827-865	2450	29	84	22,1...22,3	smart+free
Diameter D 681 mm							
312383.00X.76	D 681, H 88	830	6450	70	92	22,6	DALI
312383.00X.730	D 681, H 88	830	6450	70	92	22,6	smart+free
312383.00X.1.76	D 681, H 88	840	6750	70	96	22,7	DALI
312383.00X.1.730	D 681, H 88	840	6750	70	96	22,7	smart+free
Tunable White - 2700 K to 6500 K							
312383.00X.2.76	D 681, H 88	827-865	3350	40	84	20...20,2	DALI
312383.00X.2.730	D 681, H 88	827-865	3350	40	84	20...20,2	smart+free
Diameter D 845 mm							
312387.00X.76	D 845, H 88	830	8000	80	100	21,7	DALI
312387.00X.730	D 845, H 88	830	8000	80	100	21,7	smart+free
312387.00X.1.76	D 845, H 88	840	8300	80	104	21,8	DALI
312387.00X.1.730	D 845, H 88	840	8300	80	104	21,8	smart+free
Tunable White - 2700 K to 6500 K							
312387.00X.2.76	D 845, H 88	827-865	4800	49	98	19,6...19,8	DALI
312387.00X.2.730	D 845, H 88	827-865	4800	49	98	19,6...19,8	smart+free
Diameter D 1009 mm							
312391.00X.76	D 1009, H 88	830	11200	106	106	21,6	DALI
312391.00X.730	D 1009, H 88	830	11200	106	106	21,6	smart+free
312391.00X.1.76	D 1009, H 88	840	11700	106	110	21,7	DALI
312391.00X.1.730	D 1009, H 88	840	11700	106	110	21,7	smart+free
Tunable White - 2700 K to 6500 K							
312391.00X.2.76	D 1009, H 88	827-865	5700	61	93	19...19,1	DALI
312391.00X.2.730	D 1009, H 88	827-865	5700	61	93	19...19,1	smart+free
Ceiling and wall luminaires - Direct 70%, indirect 30% light emission							**Price Category 21**
Diameter D 461 mm							
312420.00X.76	D 461, H 88	830	5850	64	91	23,3	DALI
312420.00X.730	D 461, H 88	830	5850	64	91	23,3	smart+free
312420.00X.1.76	D 461, H 88	840	6050	64	95	23,4	DALI
312420.00X.1.730	D 461, H 88	840	6050	64	95	23,4	smart+free
Tunable White - 2700 K to 6500 K							
312420.00X.2.76	D 461, H 88	827-865	3050	38	80	20,8...21	DALI
312420.00X.2.730	D 461, H 88	827-865	3050	38	80	20,8...21	smart+free
Diameter D 681 mm							
312384.00X.76	D 681, H 88	830	9300	106	88	20,7	DALI
312384.00X.730	D 681, H 88	830	9300	106	88	20,7	smart+free
312384.00X.1.76	D 681, H 88	840	9650	106	91	20,8	DALI
312384.00X.1.730	D 681, H 88	840	9650	106	91	20,8	smart+free
Tunable White - 2700 K to 6500 K							
312384.00X.2.76	D 681, H 88	827-865	4600	61	75	18...18,2	DALI
312384.00X.2.730	D 681, H 88	827-865	4600	61	75	18...18,2	smart+free
Diameter D 845 mm							
312388.00X.76	D 845, H 88	830	12400	133	93	19,8	DALI
312388.00X.730	D 845, H 88	830	12400	133	93	19,8	smart+free
312388.00X.1.76	D 845, H 88	840	12900	133	97	20	DALI
312388.00X.1.730	D 845, H 88	840	12900	133	97	20	smart+free
Tunable White - 2700 K to 6500 K							
312388.00X.2.76	D 845, H 88	827-865	6800	76	89	17,8...17,9	DALI
312388.00X.2.730	D 845, H 88	827-865	6800	76	89	17,8...17,9	smart+free
Diameter D 1009 mm							
312392.00X.76	D 1009, H 88	830	15300	149	103	19,8	DALI
312392.00X.730	D 1009, H 88	830	15300	149	103	19,8	smart+free
312392.00X.1.76	D 1009, H 88	840	15900	149	107	20	DALI
312392.00X.1.730	D 1009, H 88	840	15900	149	107	20	smart+free
Tunable White - 2700 K to 6500 K							
312392.00X.2.76	D 1009, H 88	827-865	7400	85	87	16,8...17	DALI
312392.00X.2.730	D 1009, H 88	827-865	7400	85	87	16,8...17	smart+free

Light colour 827 on request.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | TRIONA round - Diffuser FerroMurano glass





Type of protection: IP 20
Protection class: I
Impact protection: IK03

Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Lateral light emission for direct illumination through handmade FerroMurano coloured glass. Tool-free mounting via bayonet connection. Driver integrated.

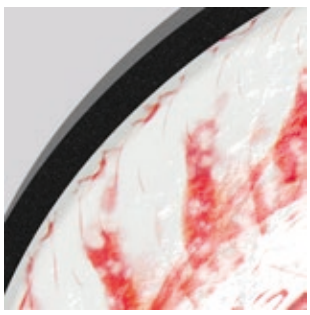
Available colours (X): 2 = white, 31 = anthracite, 4 = silver

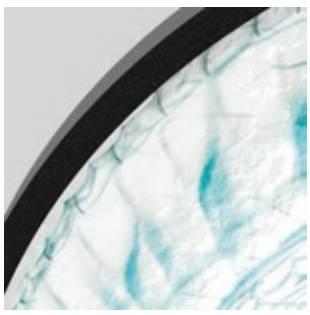
Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

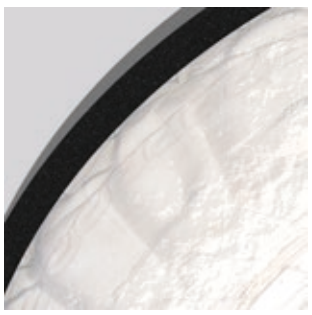
Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires - Direct 70%, indirect 30% light emission						**Price Category 21**
Diffuser: FerroMurano glass, red						
Diameter D 461 mm						
312411.00X.76	D 461, H 88	830	2600	38	68	DALI
312411.00X.730	D 461, H 88	830	2600	38	68	smart+free
312411.00X.1.76	D 461, H 88	840	2700	38	71	DALI
312411.00X.1.730	D 461, H 88	840	2700	38	71	smart+free
Diameter D 681 mm						
312291.00X.76	D 681, H 88	830	4550	64	71	DALI
312291.00X.730	D 681, H 88	830	4550	64	71	smart+free
312291.00X.1.76	D 681, H 88	840	4700	64	73	DALI
312291.00X.1.730	D 681, H 88	840	4700	64	73	smart+free
Diffuser: FerroMurano glass, blue						
Diameter D 461 mm						
312412.00X.76	D 461, H 88	830	2950	38	78	DALI
312412.00X.730	D 461, H 88	830	2950	38	78	smart+free
312412.00X.1.76	D 461, H 88	840	3150	38	83	DALI
312412.00X.1.730	D 461, H 88	840	3150	38	83	smart+free
Diameter D 681 mm						
312292.00X.76	D 681, H 88	830	5450	64	85	DALI
312292.00X.730	D 681, H 88	830	5450	64	85	smart+free
312292.00X.1.76	D 681, H 88	840	5650	64	88	DALI
312292.00X.1.730	D 681, H 88	840	5650	64	88	smart+free
Diffuser: FerroMurano glass, white						
Diameter D 461 mm						
312410.00X.76	D 461, H 88	830	3350	38	88	DALI
312410.00X.730	D 461, H 88	830	3350	38	88	smart+free
312410.00X.1.76	D 461, H 88	840	3500	38	92	DALI
312410.00X.1.730	D 461, H 88	840	3500	38	92	smart+free
Diameter D 681 mm						
312290.00X.76	D 681, H 88	830	6150	64	96	DALI
312290.00X.730	D 681, H 88	830	6150	64	96	smart+free
312290.00X.1.76	D 681, H 88	840	6350	64	99	DALI
312290.00X.1.730	D 681, H 88	840	6350	64	99	smart+free

The luminaire flux of each luminaire varies due to the difference in colour intensity and structure of the glasses. Light colour 827 on request.









Applies to versions with .76

Comparison LED vs. conventional lamps

LED 28 W ≈
3 x 26 W TC-TEL (85 W Psys)

LED 41 W ≈
4 x 26 W TC-TEL (112 W Psys)

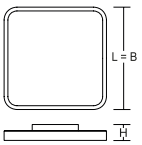
LED 51 W ≈
3 x 42 W TC-TEL (137 W Psys)

LED 64 W ≈
4 x 42 W TC-TEL (180 W Psys)

LED 91 W ≈
4 x 57 W TC-TEL (232 W Psys)

LED 106 W ≈
5 x 57 W TC-TEL (290 W Psys)

Ceiling and wall luminaires | TRIONA square - Diffuser microprismatic



Type of protection: IP 20
Protection class: I
Impact protection: IK03

Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal/microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). LED backlight technology for homogeneous illumination of the entire light-emitting surface. Driver integrated. Suitable for through-wiring.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires - Direct light emission							**Price Category 21**
Length L 567 x Width B 567 mm							
312436.00X.76	L 567, B 567, H 88	830	3600	28	129	18,9	DALI
312436.00X.730	L 567, B 567, H 88	830	3600	28	129	18,9	smart+free
312436.00X.1.76	L 567, B 567, H 88	840	3750	28	134	19	DALI
312436.00X.1.730	L 567, B 567, H 88	840	3750	28	134	19	smart+free
Length L 696 x Width B 696 mm							
312440.00X.76	L 696, B 696, H 88	830	5600	41	137	18,8	DALI
312440.00X.730	L 696, B 696, H 88	830	5600	41	137	18,8	smart+free
312440.00X.1.76	L 696, B 696, H 88	840	5800	41	141	18,9	DALI
312440.00X.1.730	L 696, B 696, H 88	840	5800	41	141	18,9	smart+free
Length L 825 x Width B 825 mm							
312444.00X.76	L 825, B 825, H 88	830	7250	51	142	18,8	DALI
312444.00X.730	L 825, B 825, H 88	830	7250	51	142	18,8	smart+free
312444.00X.1.76	L 825, B 825, H 88	840	7550	51	148	18,9	DALI
312444.00X.1.730	L 825, B 825, H 88	840	7550	51	148	18,9	smart+free
Ceiling and wall luminaires - Direct/indirect light emission							**Price Category 21**
Length L 567 x Width B 567 mm							
312437.00X.76 *	L 567, B 567, H 88	830	7700	64	120	16,5	DALI
312437.00X.730 *	L 567, B 567, H 88	830	7700	64	120	16,5	smart+free
312437.00X.1.76 *	L 567, B 567, H 88	840	7900	64	123	16,6	DALI
312437.00X.1.730 *	L 567, B 567, H 88	840	7900	64	123	16,6	smart+free
Length L 696 x Width B 696 mm							
312441.00X.76 *	L 696, B 696, H 88	830	11400	91	125	16,7	DALI
312441.00X.730 *	L 696, B 696, H 88	830	11400	91	125	16,7	smart+free
312441.00X.1.76 *	L 696, B 696, H 88	840	11800	91	130	16,8	DALI
312441.00X.1.730 *	L 696, B 696, H 88	840	11800	91	130	16,8	smart+free
Length L 825 x Width B 825 mm							
312445.00X.76 **	L 825, B 825, H 88	830	13900	106	131	17,5	DALI
312445.00X.730 **	L 825, B 825, H 88	830	13900	106	131	17,5	smart+free
312445.00X.1.76 **	L 825, B 825, H 88	840	14400	106	136	17,6	DALI
312445.00X.1.730 **	L 825, B 825, H 88	840	14400	106	136	17,6	smart+free

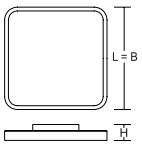
* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | TRIONA square - Diffuser opal





Type of protection: IP 20
Protection class: I
Impact protection: IK03

Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Driver integrated. Suitable for through-wiring.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Touch DIM Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires - Direct light emission							**Price Category 21**
Length L 567 x Width B 567 mm							
312653.00X.76	L 567, B 567, H 88	830	6150	51	121	23,1	DALI
312653.00X.730	L 567, B 567, H 88	830	6150	51	121	23,1	smart+free
312653.00X.1.76	L 567, B 567, H 88	840	6400	51	125	23,3	DALI
312653.00X.1.730	L 567, B 567, H 88	840	6400	51	125	23,3	smart+free
Length L 696 x Width B 696 mm							
312657.00X.76	L 696, B 696, H 88	830	9500	76	125	23,1	DALI
312657.00X.730	L 696, B 696, H 88	830	9500	76	125	23,1	smart+free
312657.00X.1.76	L 696, B 696, H 88	840	9900	76	130	23,3	DALI
312657.00X.1.730	L 696, B 696, H 88	840	9900	76	130	23,3	smart+free
Length L 825 x Width B 825 mm							
312661.00X.76	L 825, B 825, H 88	830	14000	109	128	23,2	DALI
312661.00X.730	L 825, B 825, H 88	830	14000	109	128	23,2	smart+free
312661.00X.1.76	L 825, B 825, H 88	840	14600	109	134	23,4	DALI
312661.00X.1.730	L 825, B 825, H 88	840	14600	109	134	23,4	smart+free
Ceiling and wall luminaires - Direct/indirect light emission							**Price Category 21**
Length L 567 x Width B 567 mm							
312654.00X.76 *	L 567, B 567, H 88	830	9500	79	120	20,6	DALI
312654.00X.730 *	L 567, B 567, H 88	830	9500	79	120	20,6	smart+free
312654.00X.1.76 *	L 567, B 567, H 88	840	9850	79	125	20,7	DALI
312654.00X.1.730 *	L 567, B 567, H 88	840	9850	79	125	20,7	smart+free
Length L 696 x Width B 696 mm							
312658.00X.76 **	L 696, B 696, H 88	830	13900	113	123	20,8	DALI
312658.00X.730 **	L 696, B 696, H 88	830	13900	113	123	20,8	smart+free
312658.00X.1.76 **	L 696, B 696, H 88	840	14500	113	128	21	DALI
312658.00X.1.730 **	L 696, B 696, H 88	840	14500	113	128	21	smart+free
Length L 825 x Width B 825 mm							
312662.00X.76 **	L 825, B 825, H 88	830	18300	146	125	21,6	DALI
312662.00X.730 **	L 825, B 825, H 88	830	18300	146	125	21,6	smart+free
312662.00X.1.76 **	L 825, B 825, H 88	840	19000	146	130	21,7	DALI
312662.00X.1.730 **	L 825, B 825, H 88	840	19000	146	130	21,7	smart+free

* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.

Comparison
LED vs. conventional lamps

LED 51 W ≈
4 x 32 W TC-TEL (138 W Psys)

LED 76 / 79 W ≈
4 x 42 W TC-TEL (180 W Psys)

LED 109 / 113 W ≈
5 x 57 W TC-TEL (290 W Psys)

LED 146 W ≈
6 x 57 W TC-TEL (348 W Psys)






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Applies to versions with .76

Comparison LED vs. conventional lamps

LED 30 W ≈
2 x 28 W T16 (61 W Psys)

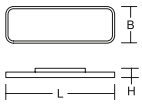
LED 42 / 46 W ≈
3 x 28 W T16 (92 W Psys)

LED 68 / 77 W ≈
4 x 35 W T16 (150 W Psys)

LED 96 / 102 W ≈
3 x 54 W T16 (174 W Psys)

LED 132 W ≈
4 x 54 W T16 (230 W Psys)

Ceiling and wall luminaires | TRIONA rectangle - Diffuser microprismatic



Type of protection: IP 20
Protection class: I
Impact protection: IK03

Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal/microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). LED backlight technology for homogeneous illumination of the entire light-emitting surface. Driver integrated. Suitable for through-wiring.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires - Direct light emission							**Price Category 21**
Length L 1040 x Width B 350 mm							
312707.00X.76	L 1040, B 350, H 88	830	3950	30	132	18,6	DALI
312707.00X.730	L 1040, B 350, H 88	830	3950	30	132	18,6	smart+free
312707.00X.1.76	L 1040, B 350, H 88	840	4100	30	137	18,8	DALI
312707.00X.1.730	L 1040, B 350, H 88	840	4100	30	137	18,8	smart+free
Length L 1300 x Width B 350 mm							
312711.00X.76	L 1300, B 350, H 88	830	5250	42	125	18,8	DALI
312711.00X.730	L 1300, B 350, H 88	830	5250	42	125	18,8	smart+free
312711.00X.1.76	L 1300, B 350, H 88	840	5450	42	130	18,9	DALI
312711.00X.1.730	L 1300, B 350, H 88	840	5450	42	130	18,9	smart+free
Length L 1300 x Width B 600 mm							
312719.00X.76	L 1300, B 600, H 88	830	9350	68	138	18,8	DALI
312719.00X.730	L 1300, B 600, H 88	830	9350	68	138	18,8	smart+free
312719.00X.1.76	L 1300, B 600, H 88	840	9700	68	143	18,9	DALI
312719.00X.1.730	L 1300, B 600, H 88	840	9700	68	143	18,9	smart+free
Length L 1560 x Width B 350 mm							
312715.00X.76	L 1560, B 350, H 88	830	6250	46	136	18,7	DALI
312715.00X.730	L 1560, B 350, H 88	830	6250	46	136	18,7	smart+free
312715.00X.1.76	L 1560, B 350, H 88	840	6500	46	141	18,9	DALI
312715.00X.1.730	L 1560, B 350, H 88	840	6500	46	141	18,9	smart+free
Ceiling and wall luminaires - Direct/indirect light emission							**Price Category 21**
Length L 1040 x Width B 350 mm							
312708.00X.76 *	L 1040, B 350, H 88	830	9300	77	121	16	DALI
312708.00X.730 *	L 1040, B 350, H 88	830	9300	77	121	16	smart+free
312708.00X.1.76 *	L 1040, B 350, H 88	840	9700	77	126	16,2	DALI
312708.00X.1.730 *	L 1040, B 350, H 88	840	9700	77	126	16,2	smart+free
Length L 1300 x Width B 350 mm							
312712.00X.76 *	L 1300, B 350, H 88	830	11600	96	121	16	DALI
312712.00X.730 *	L 1300, B 350, H 88	830	11600	96	121	16	smart+free
312712.00X.1.76 *	L 1300, B 350, H 88	840	12100	96	126	16,2	DALI
312712.00X.1.730 *	L 1300, B 350, H 88	840	12100	96	126	16,2	smart+free
Length L 1300 x Width B 600 mm							
312720.00X.76 *	L 1300, B 600, H 88	830	17000	132	129	17,2	DALI
312720.00X.730 *	L 1300, B 600, H 88	830	17000	132	129	17,2	smart+free
312720.00X.1.76 *	L 1300, B 600, H 88	840	17700	132	134	17,3	DALI
312720.00X.1.730 *	L 1300, B 600, H 88	840	17700	132	134	17,3	smart+free
Length L 1560 x Width B 350 mm							
312716.00X.76 **	L 1560, B 350, H 88	830	12900	102	126	16,4	DALI
312716.00X.730 **	L 1560, B 350, H 88	830	12900	102	126	16,4	smart+free
312716.00X.1.76 **	L 1560, B 350, H 88	840	13500	102	132	16,6	DALI
312716.00X.1.730 **	L 1560, B 350, H 88	840	13500	102	132	16,6	smart+free

* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.









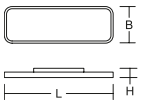






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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | TRIONA rectangle - Diffuser opal



Type of protection: IP 20
Protection class: I
Impact protection: IK03

Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Driver integrated. Suitable for through-wiring.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires - Direct light emission							**Price Category 21**
Length L 1040 x Width B 350 mm							
312705.00X.76	L 1040, B 350, H 88	830	6400	52	123	23	DALI
312705.00X.730	L 1040, B 350, H 88	830	6400	52	123	23	smart+free
312705.00X.1.76	L 1040, B 350, H 88	840	6650	52	128	23,1	DALI
312705.00X.1.730	L 1040, B 350, H 88	840	6650	52	128	23,1	smart+free
Length L 1300 x Width B 350 mm							
312709.00X.76	L 1300, B 350, H 88	830	7400	61	121	22,7	DALI
312709.00X.730	L 1300, B 350, H 88	830	7400	61	121	22,7	smart+free
312709.00X.1.76	L 1300, B 350, H 88	840	7700	61	126	22,8	DALI
312709.00X.1.730	L 1300, B 350, H 88	840	7700	61	126	22,8	smart+free
Length L 1300 x Width B 600 mm							
312717.00X.76	L 1300, B 600, H 88	830	13800	108	128	22,8	DALI
312717.00X.730	L 1300, B 600, H 88	830	13800	108	128	22,8	smart+free
312717.00X.1.76	L 1300, B 600, H 88	840	14400	108	133	23	DALI
312717.00X.1.730	L 1300, B 600, H 88	840	14400	108	133	23	smart+free
Length L 1560 x Width B 350 mm							
312713.00X.76	L 1560, B 350, H 88	830	13500	108	125	24,2	DALI
312713.00X.730	L 1560, B 350, H 88	830	13500	108	125	24,2	smart+free
312713.00X.1.76	L 1560, B 350, H 88	840	14100	108	131	24,3	DALI
312713.00X.1.730	L 1560, B 350, H 88	840	14100	108	131	24,3	smart+free
Ceiling and wall luminaires - Direct/indirect light emission							**Price Category 21**
Length L 1040 x Width B 350 mm							
312706.00X.76 *	L 1040, B 350, H 88	830	10100	84	120	20,6	DALI
312706.00X.730 *	L 1040, B 350, H 88	830	10100	84	120	20,6	smart+free
312706.00X.1.76 *	L 1040, B 350, H 88	840	10500	84	125	20,7	DALI
312706.00X.1.730 *	L 1040, B 350, H 88	840	10500	84	125	20,7	smart+free
Length L 1300 x Width B 350 mm							
312710.00X.76 *	L 1300, B 350, H 88	830	11700	97	121	19,9	DALI
312710.00X.730 *	L 1300, B 350, H 88	830	11700	97	121	19,9	smart+free
312710.00X.1.76 *	L 1300, B 350, H 88	840	12200	97	126	20,1	DALI
312710.00X.1.730 *	L 1300, B 350, H 88	840	12200	97	126	20,1	smart+free
Length L 1300 x Width B 600 mm							
312718.00X.76 **	L 1300, B 600, H 88	830	19200	153	125	20,7	DALI
312718.00X.730 **	L 1300, B 600, H 88	830	19200	153	125	20,7	smart+free
312718.00X.1.76 **	L 1300, B 600, H 88	840	20000	153	131	20,9	DALI
312718.00X.1.730 **	L 1300, B 600, H 88	840	20000	153	131	20,9	smart+free
Length L 1560 x Width B 350 mm							
312714.00X.76 **	L 1560, B 350, H 88	830	18700	153	122	22,1	DALI
312714.00X.730 **	L 1560, B 350, H 88	830	18700	153	122	22,1	smart+free
312714.00X.1.76 **	L 1560, B 350, H 88	840	19500	153	127	22,2	DALI
312714.00X.1.730 **	L 1560, B 350, H 88	840	19500	153	127	22,2	smart+free

* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.

Comparison LED vs. conventional lamps

LED 52 W ≈
3 x 28 W T16 (92 W Psys)

LED 61 W ≈
3 x 39 W T16 (123 W Psys)

LED 84 / 97 W ≈
3 x 54 W T16 (174 W Psys)

LED 108 W ≈
4 x 54 W T16 (230 W Psys)

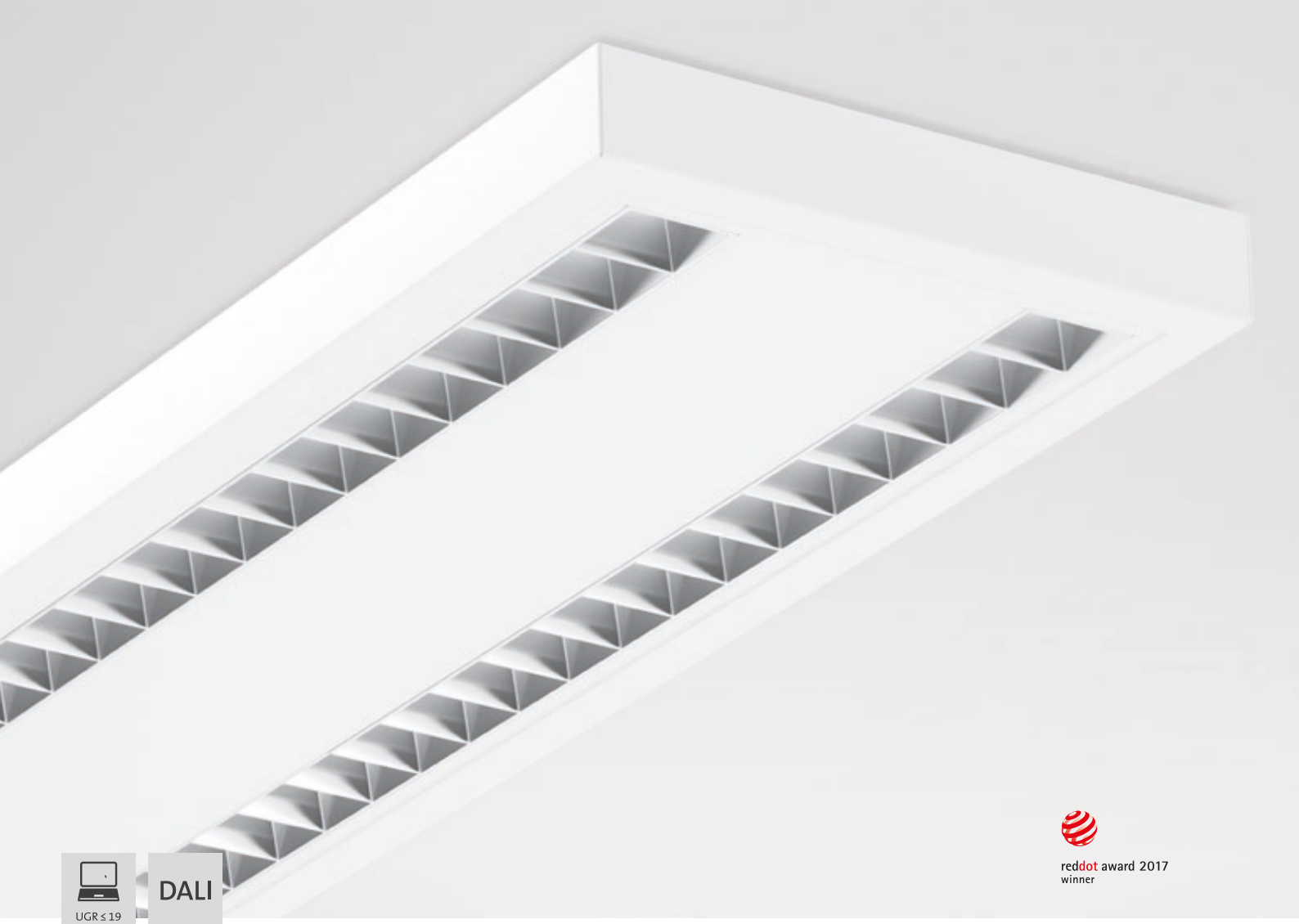
LED 153 W ≈
4 x 80 W T16 (354 W Psys)











UGR ≤ 19

DALI

reddot award 2017
winner

SONIS EVO

Ceiling luminaires

ARCHITECTURE

- **Advantageous:** Perfect for 1:1 replacement during renovations.

LIGHTING DESIGN

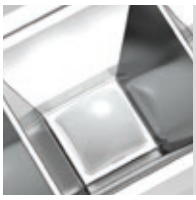
- **Anti-glare:** Suitable for office areas and computer workstations.
- **Optimum:** Alea optical system with deep beam light characteristic.
- **Powerful:** High luminous flux up to 6500 lm.

INSTALLATION

- **Easy installation:** External driver with simple plug-in locking system.
- **Standard:** Suitable for through-wiring.



Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires

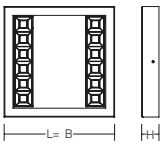


ALEA OPTICAL SYSTEM

A brilliant example of the power of innovation: The Alea optical system combines square reflector elements with a linear structure.
The integrated opal diffuser reduces direct glare, ensures excellent light quality and protects the highly efficient LEDs.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling luminaires | SONIS EVO



Type of protection: IP 20
Protection class: I, II = DALI
Impact protection: IK03

Housing: metal, powder-coated. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Driver integrated.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling luminaires							**Price Category 21**
901640.002.1	L 300, B 300, H 47	840	1500	12	125	18,5	on/off
901640.002.1.76	L 300, B 300, H 47	840	1500	12	125	18,5	DALI
901641.002.1	L 300, B 300, H 47	840	2000	16	125	19,5	on/off
901641.002.1.76	L 300, B 300, H 47	840	2000	16	125	19,5	DALI

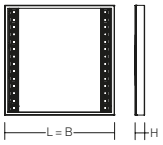


Comparison
LED vs. conventional lamps

LED 12 W ≈
2 x 18 W TC-D (52 W Psys)

LED 16 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling luminaires | SONIS EVO



Type of protection: IP 20
Protection class: I
Impact protection: IK03

Housing: metal, powder-coated. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Driver integrated.

Available colour: 2 = white

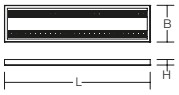
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling luminaires							**Price Category 21**
901689.002.1.76	L 602, B 602, H 47	840	3450	26	133	18,4	DALI
901689.002.1	L 602, B 602, H 47	840	3450	26	133	18,5	on/off



Comparison
LED vs. conventional lamps

LED 26 W ≈
3 x 14 W T16 (46 W Psys)
3 x 18 W T26 (54 W Psys)

Ceiling luminaires | SONIS EVO



Type of protection: IP 20
Protection class: I
Impact protection: IK03

Housing: metal, powder-coated. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Driver integrated.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling luminaires							**Price Category 21**
double row Alea optical system							
901691.002.1	L 1202, B 302, H 33	840	6500	50	130	18,6	on/off
901691.002.1.76	L 1202, B 302, H 33	840	6500	50	130	18,7	DALI
single row Alea optical system							
901690.002.1.76	L 1202, B 302, H 33	840	3450	26	133	18,5	DALI
901690.002.1	L 1202, B 302, H 33	840	3450	26	133	18,5	on/off





Comparison
LED vs. conventional lamps

LED 26 W ≈
1 x 49 W T16 (53 W Psys)
1 x 58 W T26 (59 W Psys)

LED 50 W ≈
2 x 49 W T16 (106 W Psys)
2 x 58 W T26 (118 W Psys)

SIDELITE®

Everything at a glance

Tunable White

HCL ready

Tunable white versions, dynamically adjustable from 2700 K to 6500 K.

Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.

UGR ≤ 19

Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with DIN EN 12464-1.

Casambi smart+ free

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Plug & Play

Easy plug-in installation (Quick-Connector).



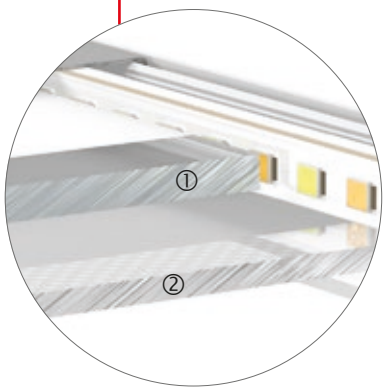
No disposable luminaire thanks to replaceable components.

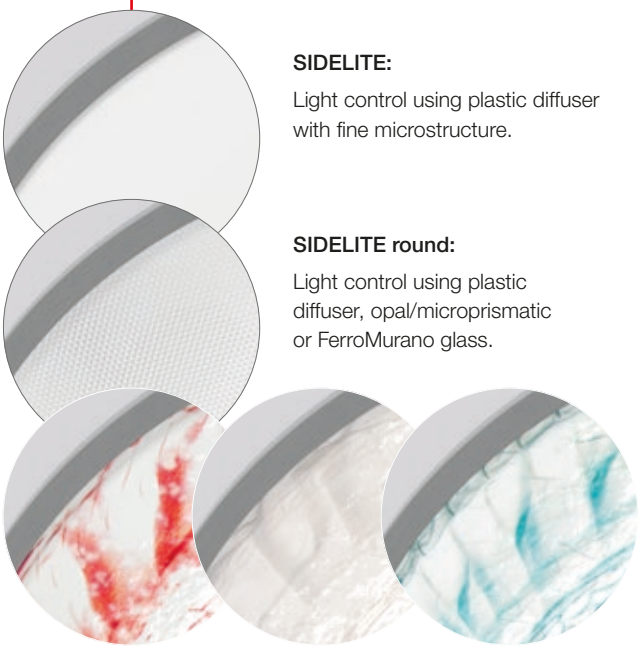
Extruded anodised aluminium profile.

Extremely shallow installation depth.

RZB SIDELITE® technology: lateral light injection for extremely homogeneous light distribution.

Diffusers ② and **lightguide** ① made of **non-yellowing PMMA.**





SIDELITE:

Light control using plastic diffuser with fine microstructure.

SIDELITE round:

Light control using plastic diffuser, opal/microprismatic or FerroMurano glass.



Tunable White | HCL ready | UGR ≤ 19 | DALI | Casambi smart+ free | Touch DIM | Plug & Play | IP40

SIDELITE®

Ceiling and wall luminaires

ARCHITECTURE

- **Design-oriented:** Minimalist design. Extremely low installed height.
- **Extensive:** Pendant luminaires, ceiling and wall luminaires.
- **Long service life:** Lightguide and plastic diffuser made of non-yellowing PMMA.
- **Individual:** Option of hand-finished FerroMurano glass.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Uniform:** Lateral light emission (RZB SIDELITE® technology) for homogeneous light distribution.
- **Dynamic:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.

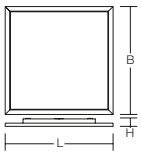
INSTALLATION

- **Easy installation:** Very easy installation thanks to plug & play connection.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.

Further luminaires of this series, see:
Indoor lighting | Suspended modular luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | SIDELITE - Diffuser microprismatic



Type of protection: **IP 40**
Protection class: I
Impact protection: IK03

Base: metal, powder-coated. Frame: extruded anodised aluminium profile. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser with microstructure (suitable for use in environments with computer screens in accordance with EN 12464-1). Driver integrated. Lateral light emission thanks to LED.

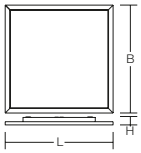
Available colour: 4 = aluminium, anodised

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							**Price Category 21**
312267.004	L 298, B 298, H 54	830	1950	20	98	21,1	on/off
312267.004.76	L 298, B 298, H 54	830	1950	20	98	21,1	DALI
312267.004.1	L 298, B 298, H 54	840	2150	20	108	21,3	on/off
312267.004.1.76	L 298, B 298, H 54	840	2150	20	108	21,3	DALI

Comparison
LED vs. conventional lamps

LED 20 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | SIDELITE - Diffuser microprismatic



Type of protection: **IP 40**
Protection class: I
Impact protection: IK03

Base: metal, powder-coated. Frame: extruded anodised aluminium profile. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser with microstructure (suitable for use in environments with computer screens in accordance with EN 12464-1). Driver integrated. Lateral light emission thanks to LED.

Available colour: 4 = aluminium, anodised

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							**Price Category 21**
312268.004	L 598, B 598, H 54	830	3800	33	115	18,1	on/off
312268.004.76	L 598, B 598, H 54	830	3800	33	115	18,1	DALI
312268.004.1	L 598, B 598, H 54	840	4300	33	130	18,9	on/off
312268.004.1.76	L 598, B 598, H 54	840	4300	33	130	18,9	DALI
Tunable White - 2700 K to 6500 K							
312268.004.2.730	L 598, B 598, H 54	827-865	2900	28	104	17...17,1	smart+free



Comparison
LED vs. conventional lamps

LED 28 W ≈
4 x 14 W T16 (68 W Psys)
3 x 24 W T16 (75 W Psys)

LED 33 W ≈
4 x 24 W T16 (98 W Psys)

Ceiling and wall luminaires | SIDELITE - Diffuser microprismatic



Type of protection: **IP 40**
Protection class: I
Impact protection: IK03

Base: metal, powder-coated. Frame: extruded anodised aluminium profile. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser with microstructure (suitable for use in environments with computer screens in accordance with EN 12464-1). Driver integrated. Lateral light emission thanks to LED.

Available colour: 4 = aluminium, anodised

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							**Price Category 21**
312269.004	L 1198, B 298, H 54	830	3950	33	120	18,2	on/off
312269.004.76	L 1198, B 298, H 54	830	3950	33	120	18,2	DALI
312269.004.1	L 1198, B 298, H 54	840	4100	33	124	18,5	on/off
312269.004.1.76	L 1198, B 298, H 54	840	4100	33	124	18,5	DALI
Tunable White - 2700 K to 6500 K							
312269.004.2.730	L 1198, B 298, H 54	827-865	3350	28	120	17,6...17,6	smart+free



Comparison
LED vs. conventional lamps

LED 28 W ≈
4 x 14 W T16 (68 W Psys)
3 x 24 W T16 (75 W Psys)

LED 33 W ≈
4 x 24 W T16 (98 W Psys)



Applies to versions with .76

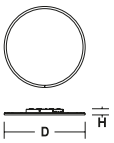
Comparison LED vs. conventional lamps

LED 18 / 19 W ≈
1 x 40 W T16-R (43 W Psys)

LED 23 / 24 W ≈
1 x 55 W T16-R (60 W Psys)

LED 29 / 34 W ≈
1 x 60 W T16-R (65 W Psys)

Ceiling and wall luminaires | SIDELITE round - Diffuser microprismatic



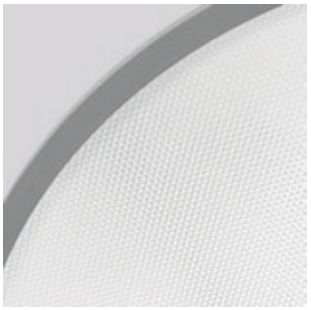
Type of protection: **IP 40**
Protection class: I
Impact protection: IK03

Base: metal, powder-coated. Frame: extruded anodised aluminium profile. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser opal/microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). Driver integrated. Lateral light emission thanks to LED.

Available colour: aluminium, anodised

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							**Price Category 21**
Diffuser: plastic (PMMA) microprismatic							
Diameter D 348 mm							
311997.000.76	D 348, H 50	830	1900	18	106	21,7	DALI
311997.000.730	D 348, H 50	830	1900	18	106	21,7	smart+free
311997.000.1.76	D 348, H 50	840	2000	18	111	21,8	DALI
311997.000.1.730	D 348, H 50	840	2000	18	111	21,8	smart+free
Tunable White - 2700 K to 6500 K							
311997.000.2.76	D 348, H 50	827-865	1950	19	103	21...21,2	DALI
311997.000.2.730	D 348, H 50	827-865	1950	19	103	21...21,2	smart+free
Diameter D 457 mm							
311916.004.76	D 457, H 50	830	2650	23	115	20,6	DALI
311916.004.730	D 457, H 50	830	2650	23	115	20,6	smart+free
311916.004.1.76	D 457, H 50	840	2800	23	122	20,8	DALI
311916.004.1.730	D 457, H 50	840	2800	23	122	20,8	smart+free
Tunable White - 2700 K to 6500 K							
311916.004.2.76	D 457, H 50	827-865	2350	24	98	20,1...20,2	DALI
311916.004.2.730	D 457, H 50	827-865	2350	24	98	20,1...20,2	smart+free
Diameter D 675 mm							
311849.000.76	D 675, H 50	830	3450	29	119	18,7	DALI
311849.000.730	D 675, H 50	830	3450	29	119	18,7	smart+free
311849.000.1.76	D 675, H 50	840	3650	29	126	18,9	DALI
311849.000.1.730	D 675, H 50	840	3650	29	126	18,9	smart+free
Tunable White - 2700 K to 6500 K							
311849.000.2.76	D 675, H 50	827-865	3700	34	109	18,4...18,5	DALI
311849.000.2.730	D 675, H 50	827-865	3700	34	109	18,4...18,5	smart+free



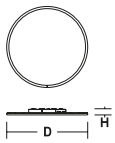
Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | SIDELITE round - Diffuser FerroMurano glass

Type of protection: **IP 40**
Protection class: I
Impact protection: IK02

Base: metal, powder-coated. Frame: extruded anodised aluminium profile. Diffuser: handcrafted, coloured glass FerroMurano. Driver integrated. Lateral light emission thanks to LED.

Available colour: aluminium, anodised

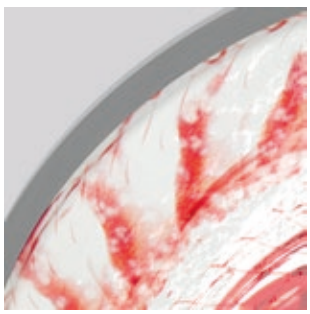


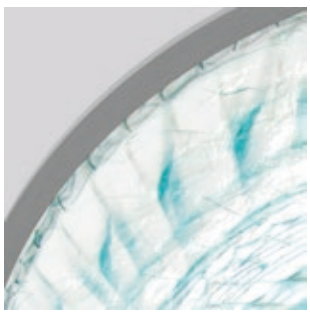


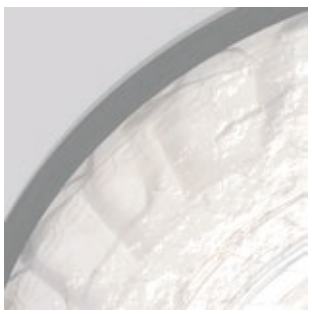
Touch DIM Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 21**
Glass FerroMurano red						
Diameter D 457 mm						
311912.004.76	D 457, H 50	830	1950	36	54	DALI
311912.004.1.76	D 457, H 50	840	2150	36	60	DALI
Diameter D 675 mm						
311845.000.76	D 675, H 50	830	3650	51	72	DALI
311845.000.1.76	D 675, H 50	840	4000	51	78	DALI
Glass FerroMurano blue						
Diameter D 457 mm						
311913.004.76	D 457, H 50	830	2550	36	71	DALI
311913.004.1.76	D 457, H 50	840	2800	36	78	DALI
Diameter D 675 mm						
311846.000.76	D 675, H 50	830	4550	51	89	DALI
311846.000.1.76	D 675, H 50	840	4900	51	96	DALI
Glass FerroMurano white						
Diameter D 457 mm						
311915.004.76	D 457, H 50	830	3200	36	89	DALI
311915.004.1.76	D 457, H 50	840	3400	36	94	DALI
Diameter D 675 mm						
311848.000.76	D 675, H 50	830	5200	51	102	DALI
311848.000.1.76	D 675, H 50	840	5700	51	112	DALI

Luminaire flux of each luminaire vary due to the difference in colour intensity and structure of the glasses.









SIDELITE® ECO

Ceiling and wall luminaires, Ceiling luminaires

ARCHITECTURE

- **Extensive:** Extremely cost efficient luminaires with advanced LED technology, available as recessed, ceiling, wall, pendant and free-standing luminaires.
- **Long service life:** Lightguide and diffuser made of non-yellowing PMMA with microprismatic.
- **Certified:** Qualified for use in the food and drink industry.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Variable:** MultiLumen - 4-step adjustable luminous flux.
- **Uniform:** RZB SIDELITE® technology: Lateral light injection for extremely homogeneous light distribution.
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).
- **Advantageous:** LED rated life 50,000 h (L80/B50).

INSTALLATION

- **Easy installation:** External driver with simple plug-in locking system and extended connecting cable.
- **Standard:** DALI variants suitable for through wiring as standard.



Further luminaires of this series, see:

Indoor lighting | Recessed modular luminaires
Indoor lighting | Suspended modular luminaires
Indoor lighting | Free-standing luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



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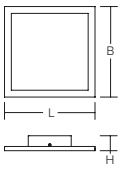
The application image shows:
SIDELITE ECO



Comparison
LED vs. conventional lamps

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | SIDELITE ECO



Type of protection: **IP 40**
Protection class: II
Impact protection: IK03

Luminaire frame: aluminium, powder-coated. Surface mounted housing: sheet steel, powder coated. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser: plastic (PMMA), opal. Lateral light emission thanks to LED. Driver integrated. DALI variants suitable for through wiring as standard.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							**Price Category 21**
Diffuser: plastic (PMMA), opal							
312375.002	L 295, B 295, H 46	830	2100	19	111	25	on/off
312375.002.76	L 295, B 295, H 46	830	2100	19	111	25	DALI
312375.002.1	L 295, B 295, H 46	840	2200	19	116	25,1	on/off
312375.002.1.76	L 295, B 295, H 46	840	2200	19	116	25,1	DALI

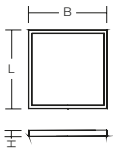


Comparison
LED vs. conventional lamps

LED 29 W ≈
4 x 14 W T16 (60 W Psys)

LED 38 W ≈
4 x 24 W T16 (98 W Psys)

Ceiling luminaires | SIDELITE ECO



Type of protection: **IP 40**
Protection class: II
Impact protection: IK03

Luminaire frame: aluminium, powder-coated. Mounting frame: sheet steel, powder-coated. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser made of non-yellowing plastic, opal or microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). Lateral light emission thanks to LED. Driver integrated. DALI variants suitable for through wiring as standard.

Available colour: 2 = white

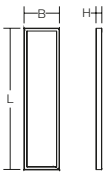
MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest offered step.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling luminaires							**Price Category 21**
Diffuser: plastic (PMMA), opal							
312376.002.790	L 602, B 602, H 47	830	3400...4300	29...38	117	21,5...22,3	on/off
312376.002.76	L 602, B 602, H 47	830	3400...4300	29...38	117	21,5...22,3	DALI
312376.002.1.790	L 602, B 602, H 47	840	3700...4600	29...38	128	21,8...22,6	on/off
312376.002.1.76	L 602, B 602, H 47	840	3700...4600	29...38	128	21,8...22,6	DALI
Diffuser: plastic (PMMA) microprismatic							
312377.002.790	L 602, B 602, H 47	830	3400...4300	29...38	117	17,9...18,7	on/off
312377.002.76	L 602, B 602, H 47	830	3400...4300	29...38	117	17,9...18,7	DALI
312377.002.1.790	L 602, B 602, H 47	840	3700...4600	29...38	128	18,2...18,9	on/off
312377.002.1.76	L 602, B 602, H 47	840	3700...4600	29...38	128	18,2...18,9	DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling luminaires | SIDELITE ECO



Type of protection: **IP 40**
Protection class: II
Impact protection: IK03

Luminaire frame: aluminium, powder-coated. Mounting frame: sheet steel, powder-coated. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser made of non-yellowing plastic, opal or microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). Lateral light emission thanks to LED. Driver integrated. DALI variants suitable for through wiring as standard.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest offered step.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling luminaires							**Price Category 21**
Diffuser: plastic (PMMA), opal							
312378.002.790	L 1202, B 302, H 47	830	3200...4000	29...38	110	21,1...21,8	on/off
312378.002.76	L 1202, B 302, H 47	830	3200...4000	29...38	110	21,1...21,8	DALI
312378.002.1.790	L 1202, B 302, H 47	840	3500...4400	29...38	121	21,4...22,2	on/off
312378.002.1.76	L 1202, B 302, H 47	840	3500...4400	29...38	121	21,4...22,2	DALI
Diffuser: plastic (PMMA) microprismatic							
312379.002.790	L 1202, B 302, H 47	830	3200...4000	29...38	110	18...18,8	on/off
312379.002.76	L 1202, B 302, H 47	830	3200...4000	29...38	110	18...18,8	DALI
312379.002.1.790	L 1202, B 302, H 47	840	3500...4400	29...38	121	18,3...19,1	on/off
312379.002.1.76	L 1202, B 302, H 47	840	3500...4400	29...38	121	18,3...19,1	DALI

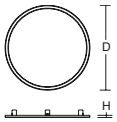
MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 29 W ≈
2 x 28 W T16 (61 W Psys)

LED 38 W ≈
3 x 28 W T16 (92 W Psys)

Ceiling and wall luminaires | SIDELITE ECO





Type of protection: **IP 40**
Protection class: II
Impact protection: IK03

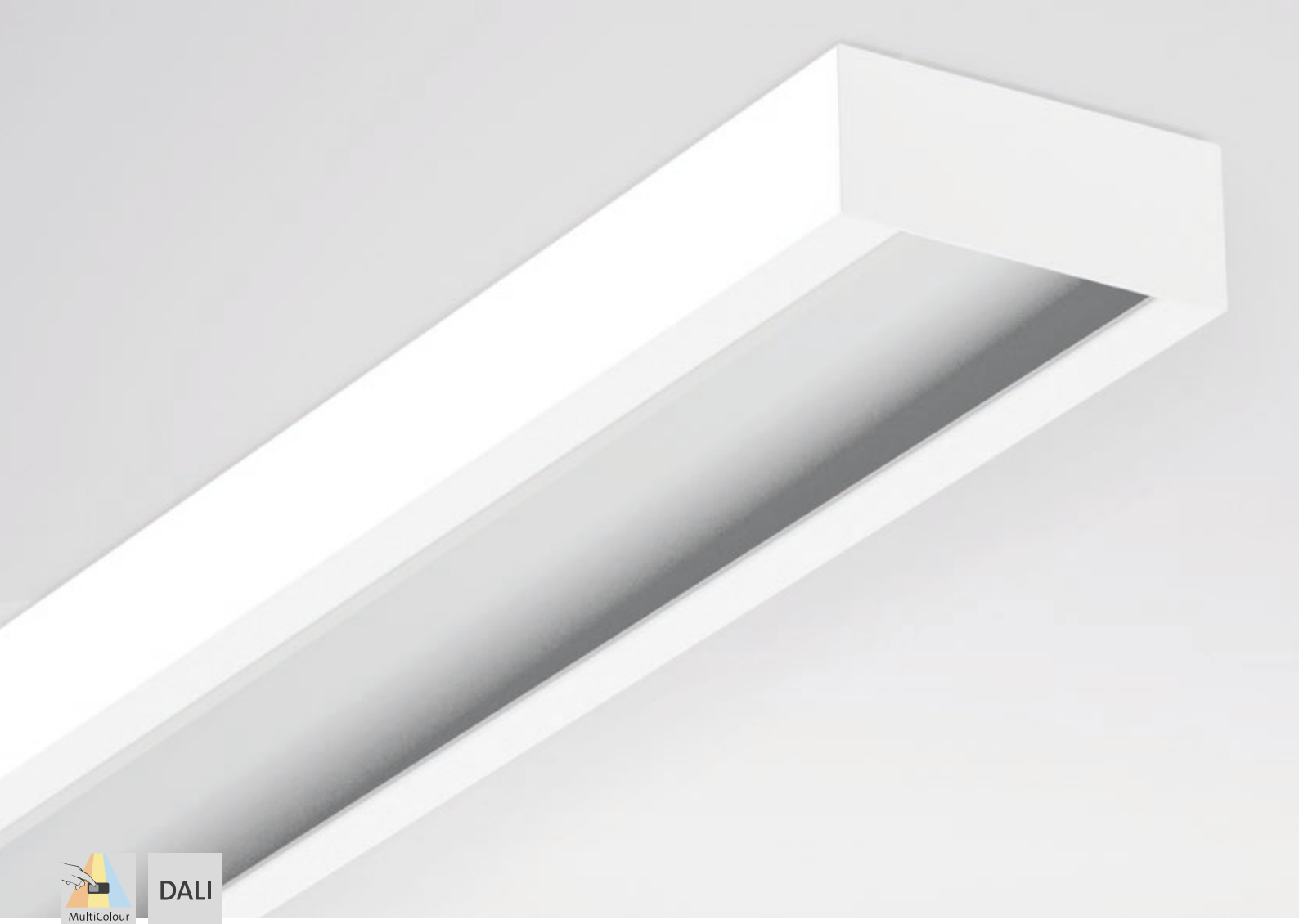
Frame: aluminium, powder-coated. Mounting cylinder powder-coated metal. Diffuser: plastic (PMMA), opal. Lightguide and diffuser made of non-yellowing plastic (PMMA). Lateral light emission thanks to LED. External driver (height 32 mm).

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							**Price Category 21**
Diffuser: plastic (PMMA), opal							
312156.002	D 580, H 52	830	3050	39	78	21,6	on/off
312156.002.76	D 580, H 52	830	3050	39	78	21,6	DALI
312156.002.1	D 580, H 52	840	3100	39	79	21,6	on/off
312156.002.1.76	D 580, H 52	840	3100	39	79	21,6	DALI

Comparison
LED vs. conventional lamps

LED 39 W ≈
1 x 60 W T16-R (65 W Psys)



MultiColour DALI

SONIS A

Ceiling luminaires

ARCHITECTURE

- **Uniform:** Highly efficient LED luminaire with MIRO® aluminium parabolic mirror.
- **Complies with regulations:** Ideal for school blackboards illumination in accordance with EN 12464-1.

LIGHTING DESIGN

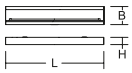
- **Powerful:** High luminous flux of up to 5850 lm.
- **Efficient:** Luminous efficacy up to 143 lm/W.

INSTALLATION

- **Functional:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling luminaires | SONIS A





Type of protection: IP 20
Protection class: I
Impact protection: IK04

Housing: metal, powder-coated. Parabolic reflector for asymmetrical light distribution.
Reflector material: MIRO® polished aluminium. Driver integrated.

Ideal for school blackboards illumination in accordance with EN 12464-1.

Available colour: 2 = white

MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling luminaires							**Price Category 21**
901721.002	L 1484, B 155, H 62	830, 840	5850	41	143	28,4...28,5	on/off
901721.002.76	L 1484, B 155, H 62	830, 840	5850	41	143	28,5...28,6	DALI

MultiColour: luminous flux and system power can vary depends on the light color. You will find more detailed information on www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 41 W ≈
1 x 80 W T16 (86 W Psys)



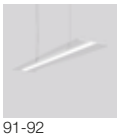
© David Franck

The application image shows:
SONIS A



The application image shows:
TRIONA round

© Linus Lintner


91-92

TWINDOT K
84-92


92


93


93

TWINDOT S
84-90 | 92-93


97-98


99

TRIONA round
94-99


100-101

TRIONA square
94-96 | 100-101


102-103


102-103

TRIONA rectangle
94-96 | 102-103

105

105

SIDELITE
104-105

106

107

SIDELITE round
104 | 106-107


109

109

SIDELITE ECO
108-109

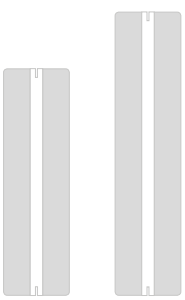
TWIN**DOT**® Systems

TWIN**DOT** K

The talented LED system
for individual luminaires,
sensor technology and
continuous line luminaires.

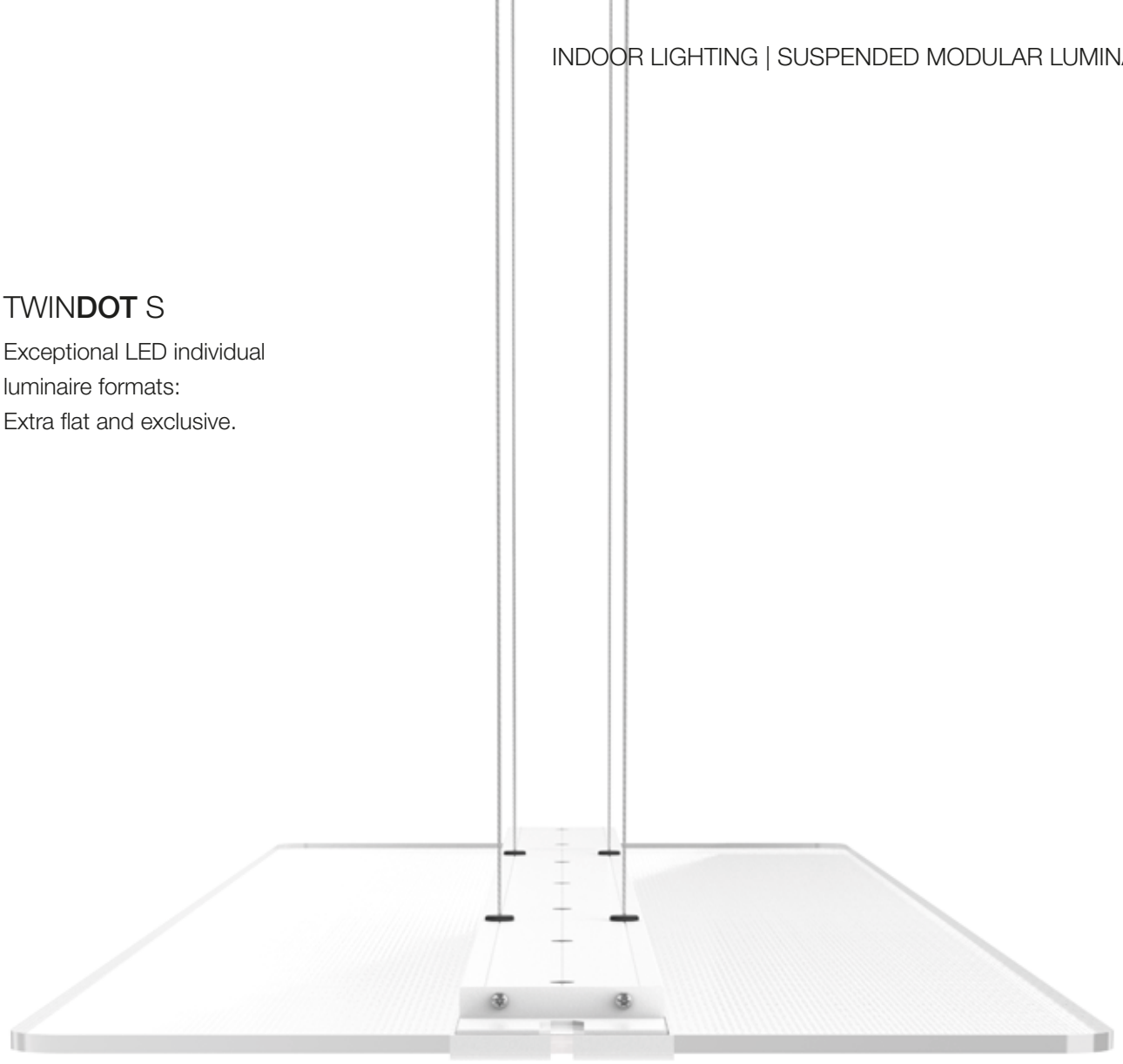


- 2 point steel cable suspension with transparent power cable,
  height adjustable steplessly between 500 and 1,200 mm. The horizontal is as well steplessly adjustable.
- Luminaires are available in two lengths. Continuous lines can be created with standard luminaires
  to be positioned either in the beginning, in the middle or in the end of the row.
- Compact, fitted drivers facilitate a wide range of control, sensor and continuous line options.
- Casambi smart+free Bluetooth® control or daylight and presence sensor.
- Initial setting of luminaires with sensor complying with standards can be individually adjusted via app if necessary .
- Tunable White option available.
- Featuring sophisticated TWIN**DOT** Light Technology.

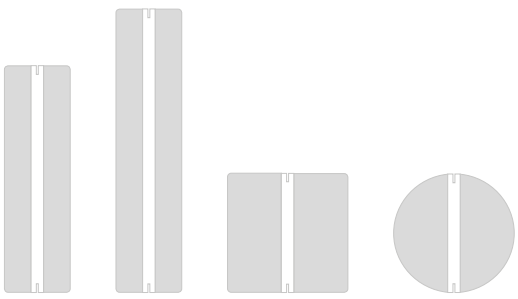


TWIN**DOT** S

Exceptional LED individual luminaire formats:
Extra flat and exclusive.



- 4 point steel cable suspension. Power supply through suspension cable, height adjustable steplessly between 500 and 1,200 mm.
- Choice of three single luminaire formats.
- Super-flat, minimalistic appearance without any unwelcome cables or drivers.
- Casambi smart+free Bluetooth® control.
- Featuring sophisticated TWIN**DOT** Light Technology.



TWIN**DOT**®

Everything at a glance

System concepts and design: hartmut s. engel designstudio

Tunable White

HCL ready

Tunable white versions, dynamically adjustable from 2700 K to 6500 K.

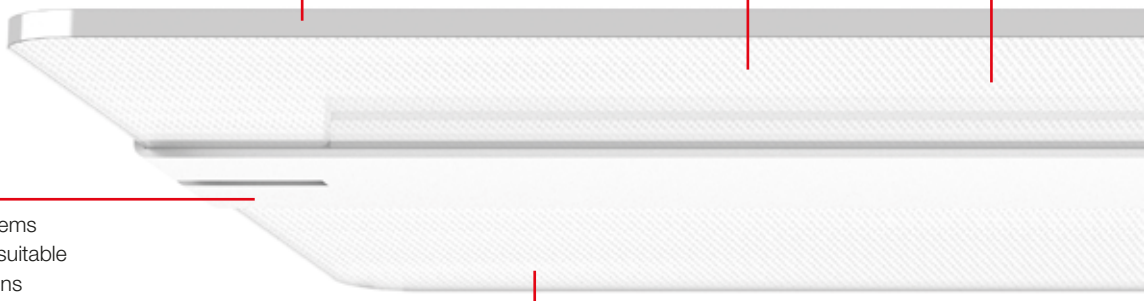
Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.

UGR ≤ 19

Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1.

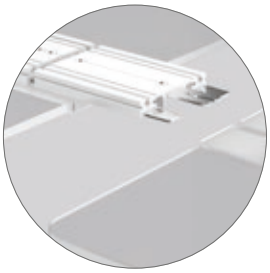
A highly polished reflection trim finishes off the cover with TWIN**DOT** prismatic.

Light distribution is up to 55 % direct and up to 45 % indirect.



The TWIN**DOT** K pendant luminaire systems feature a modular design, making them suitable for straightforward sandwich constructions for an extensive product family. This universal design concept offers options for mechanical and electrical connection to multiple luminaires and continuous line luminaires.

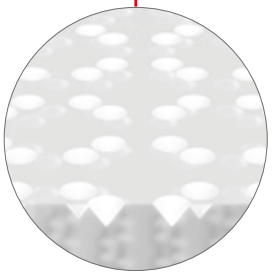
The accessory set includes all the required components. This connection is entirely reversible in the event of changing requirements.

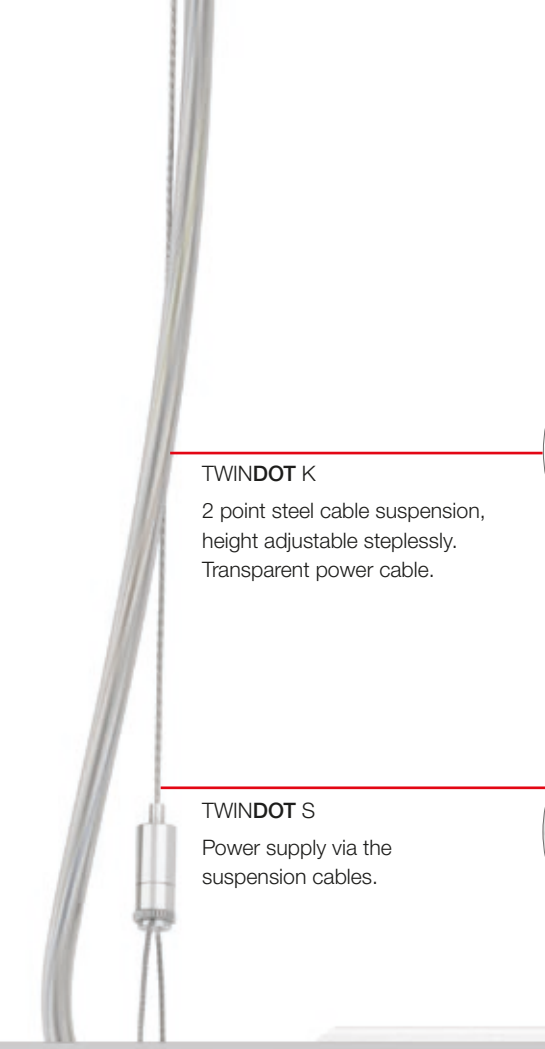


TWIN**DOT** LIGHT TECHNOLOGY

Transparent **light guide** measuring just 6 mm thick and made of **UV-resistant** acrylic glass **(PMMA)** with TWIN**DOT** microprism structure.

The TWIN**DOT** structure consists of microfine twin prisms, which have been applied to the top surface of an acrylic cover by means of a hot-embossing process in a defined angle matrix.





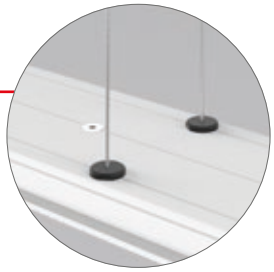
TWIN**DOT** K

2 point steel cable suspension, height adjustable steplessly. Transparent power cable.



TWIN**DOT** S

Power supply via the suspension cables.





CLO Constant Light Output | DALI | Casambi smart+ free

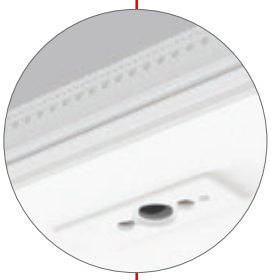
State of the art drivers regulate the LEDs in the TWIN**DOT** luminaire systems throughout their entire lifetime and therefore prevent the usual reduction in luminous flux. This process known as CLO (Constant Light Output) allows the optimised control of efficiency right from the start.

In addition to the basic on/off switch, the option is also available to incorporate controls based on DALI or Bluetooth® (Casambi smart+free) technology or even to integrate daylight and presence sensors.

Middle bar made of aluminium, powder-coated.

TWIN**DOT** K

Integrated sensor element for the automatic adjustment of brightness depending on the amount of daylight and presence.



Initial setting of luminaires with sensor complying with standards can be individually adjusted via app if necessary.

DECORATIVE BUILT-IN PENDANT SET

At a glance

Flush-integrated ceiling connection for pendant luminaires

Minimalist ceiling outlets create new possibilities for elegantly hanging pendant luminaires. Suspension and electrical connection are reduced to just 28 mm and integrated flush into the ceiling.
The canopy outlet not only improves the aesthetics of the room but is also very user friendly and easy to install.

Design: Georg Bechter Licht, Langenegg | AT

reddot award 2015 winner

GERMAN DESIGN AWARD SPECIAL 2017

EXPOSED CONCRETE CAPSULE 28

The concrete capsule can be placed on the formwork simply and practically without the use of tools. The distance between the capsule neck and the front edge of the concrete means the capsule remains invisible.

PLASTER CAPSULE 28
(for concrete ceilings to be plastered)

The plaster capsule can be adjusted to the desired plaster or filler thickness with the help of the plaster ring.

FILLER INSERT 28
(for suspended ceilings)

The filler insert can be threaded into a standard 68-mm hole, screwed on and filled.





M1:1

Canopy outlet

The frameless ceiling connection for every pendant luminaire in original size.



Standard canopy

The application image shows: decorative recessed pendant set for TWINDOT K pendant luminaires



Tunable White | HCL ready | UGR ≤ 19 | DALI | Casambi smart+ free | CLO Constant Light Output

DESIGN AWARD 2019 | GERMAN DESIGN AWARD WINNER 2019

TWINDOT®

Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Minimalist design. Flat design.
- **Versatile:** 3 designs, 2 sizes.
- **Long service life:** Light guide made of non-yellowing PMMA.
- **Uniform:** The diffuser with perfectly glare-free TWINDOT prismatic for homogenous light distribution.
- **Advantageous:** Extremely uniform illumination of the ceiling thanks to above average wide distribution of indirect light.

LIGHTING DESIGN

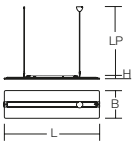
- **Powerful:** High luminous flux up to 8100 lm.
- **Anti-glare:** Suitable for office areas and computer workstations.
- **Funktional:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Dynamic:** Variants with daylight and presence sensor.

INSTALLATION

- **Straightforward:** Continuous lines can be created with standard luminaires to be positioned either in the beginning, in the middle or in the end of the row.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.
- **Individual:** Initial setting of luminaires with sensor complying with standards can be individually adjusted via app if necessary.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | TWINDOT K





Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 500-1200 mm

Extremely flat and frameless appearance. Middle bar made of aluminium extrusion profile, powder-coated with integrated converter. Transparent light guide made of UV-resistant acrylic glass (PMMA). TWIN**DOT** technology light control, light emission direct 55% / indirect 45%. UGR ≤ 19 (screen-compliant according to EN 12464-1). 2 point steel cable suspension, height adjustable steplessly with transparent power cable.

Expandable to continuous line luminaire with connection kit for light colours 830 and 840.

Available colour: 2 = white

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison LED vs. conventional lamps

LED 51 / 54 / 57 W ≈
3 x 28 W T16 (92 W Psys)
2 x 49 W T16 (106 W Psys)

LED 62 / 63 / 65 W ≈
4 x 28 W T16 (122 W Psys)
3 x 39 W T16 (123 W Psys)



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires							**Price Category 21**
Length L 1200 mm							
312262.002	L 1200, B 350, H 45	830	6500	57	114	17,5	on/off
312262.002.76	L 1200, B 350, H 45	830	6500	57	114	17,5	DALI
312262.002.730	L 1200, B 350, H 45	830	6500	57	114	17,5	smart+free
312262.002.1	L 1200, B 350, H 45	840	6500	54	120	17,5	on/off
312262.002.1.76	L 1200, B 350, H 45	840	6500	54	120	17,5	DALI
312262.002.1.730	L 1200, B 350, H 45	840	6500	54	120	17,5	smart+free
Tunable White - 2700 K to 6500 K							
312262.002.2.76	L 1200, B 350, H 45	827-865	6500	51	127	17,4...17,5	DALI
312262.002.2.730	L 1200, B 350, H 45	827-865	6500	51	128	17,4...17,5	smart+free
Length L 1500 mm							
312264.002	L 1500, B 350, H 45	830	8100	65	125	17,6	on/off
312264.002.76	L 1500, B 350, H 45	830	8100	65	125	17,6	DALI
312264.002.730	L 1500, B 350, H 45	830	8100	65	125	17,6	smart+free
312264.002.1	L 1500, B 350, H 45	840	8100	62	131	17,6	on/off
312264.002.1.76	L 1500, B 350, H 45	840	8100	62	131	17,6	DALI
312264.002.1.730	L 1500, B 350, H 45	840	8100	62	131	17,6	smart+free
Tunable White - 2700 K to 6500 K							
312264.002.2.76	L 1500, B 350, H 45	827-865	8050	63	128	17,5...17,5	DALI
312264.002.2.730	L 1500, B 350, H 45	827-865	8050	63	128	17,5...17,5	smart+free

Accessories | Decorative recessed pendant set
Mounting kit for aesthetically pleasing ceiling connection of pendant luminaires.



Decorative recessed pendant set			Price Category 11
982565.002*	L 146, B 60, H 12, HE 80	Mounting kit for plasterboard ceilings	
982564.009	L 180, B 148, H 124, HE 130	Mounting set for concrete ceilings	
982563.009	L 180, B 180, H 124, HE 130	Mounting set for plastered concrete ceilings	

* not suitable for DALI version

For further information please see page 88.

Accessories | Connection kit for multiple luminaires and light channel.
The connection kit contains all necessary components for the mechanical and electrical connection of two TWIN**DOT** K luminaires.
Not suitable for luminaires with sensors and tunable white.



Connection kit for multiple luminaires and light channel			Price Category 21
982449.002	L 567, B 66, H 24	Connection kit 3-pin L 1200 mm (on/off variant).	
982449.012	L 567, B 66, H 24	Connection kit 5-pin L 1200 mm (DALI and smart+free variant).	
982450.002	L 847, B 66, H 24	Connection kit 3-pin L 1500 mm (on/off variant).	
982450.012	L 847, B 66, H 24	Connection kit 5-pin L 1500 mm (DALI and smart+free variant).	

TWINDOT K continuous line (only light colours 830 and 840)

Up to ten single luminaires of the variants on/off or DALI can be interconnected.

For luminaires with Casambi smart+free, up to eight single luminaires can be interconnected. This requires one Casambi smart+free luminaire and eight DALI luminaires. A three-wire power supply is sufficient.

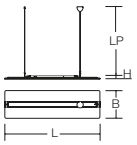
The connections are entirely reversible.







Pendant luminaires | TWINDOT K - Daylight and presence sensor



Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 500-1200 mm

Extremely flat and frameless appearance. Middle bar made of aluminium extrusion profile, powder-coated with integrated converter. Transparent light guide made of UV-resistant acrylic glass (PMMA). TWIN**DOT** technology light control, light emission direct 55% / indirect 45%. UGR ≤ 19 (screen-compliant according to EN 12464-1). 2 point steel cable suspension, height adjustable steplessly with transparent power cable.

Available colour: 2 = white

Integrated sensor for daylight and occupancy-dependent light control.

- Presence detection range adjustable via integrated shutters between 40° and 90°.
- Light sensor range: 20-800 lx (measured at the sensor).
- Installation height: 2-5 m.
- Detection range (at a height of 2.5 m): Ø 1.8-5 m.
- Max. detection range (at the maximum mounting height of 5 m): Ø 7 m.

Comparison LED vs. conventional lamps

LED 54 / 57 W ≈
3 x 28 W T16 (92 W Psys)
2 x 49 W T16 (106 W Psys)

LED 62 / 65 W ≈
4 x 28 W T16 (122 W Psys)
3 x 39 W T16 (123 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires							**Price Category 21**
Length L 1200 mm							
312262.002.19	L 1200, B 350, H 45	830	6500	57	114	17,5	Sensor
312262.002.1.19	L 1200, B 350, H 45	840	6500	54	120	17,5	Sensor
Length L 1500 mm							
312264.002.19	L 1500, B 350, H 45	830	8100	65	125	17,6	Sensor
312264.002.1.19	L 1500, B 350, H 45	840	8100	62	131	17,6	Sensor



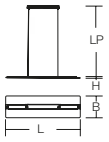
Accessories | Decorative recessed pendant set
Mounting kit for aesthetically pleasing ceiling connection of pendant luminaires.

Decorative recessed pendant set			Price Category 11
982564.009	L 180, B 148, H 124, HE 130	Mounting set for concrete ceilings	
982563.009	L 180, B 180, H 124, HE 130	Mounting set for plastered concrete ceilings	

For further information please see page 88.



Pendant luminaires | TWINDOT S



Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 500-1200 mm

Extremely flat and frameless appearance. Middle bar made of aluminium extrusion profile, powder-coated. Transparent light guide made of UV-resistant acrylic glass (PMMA). TWIN**DOT** technology light control, light emission direct 55% / indirect 45%. UGR ≤ 19 (screen-compliant according to EN 12464-1). Converter integrated in the canopy (powder coated white). Power supply through suspension cable. 4-point steel cable suspension, steplessly adjustable.

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Available colour: 2 = white

Comparison LED vs. conventional lamps

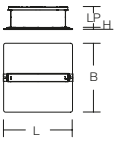
LED 54 / 57 W ≈
3 x 28 W T16 (92 W Psys)
2 x 49 W T16 (106 W Psys)

LED 62 / 65 W ≈
4 x 28 W T16 (122 W Psys)
3 x 39 W T16 (123 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires							**Price Category 21**
Length L 1200 mm							
312263.002	L 1200, B 350, H 20	830	6500	57	114	17,5	on/off
312263.002.76	L 1200, B 350, H 20	830	6500	57	114	17,5	DALI
312263.002.730	L 1200, B 350, H 20	830	6500	57	114	17,5	smart+free
312263.002.1	L 1200, B 350, H 20	840	6500	54	120	17,5	on/off
312263.002.1.76	L 1200, B 350, H 20	840	6500	54	120	17,5	DALI
312263.002.1.730	L 1200, B 350, H 20	840	6500	54	120	17,5	smart+free
Length L 1500 mm							
312265.002	L 1500, B 350, H 20	830	8100	65	125	17,6	on/off
312265.002.76	L 1500, B 350, H 20	830	8100	65	125	17,6	DALI
312265.002.730	L 1500, B 350, H 20	830	8100	65	125	17,6	smart+free
312265.002.1	L 1500, B 350, H 20	840	8100	62	131	17,6	on/off
312265.002.1.76	L 1500, B 350, H 20	840	8100	62	131	17,6	DALI
312265.002.1.730	L 1500, B 350, H 20	840	8100	62	131	17,6	smart+free

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Pendant luminaires | TWINDOT S square





Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 500-1200 mm

Extremely flat and frameless appearance. Middle bar made of aluminium extrusion profile, powder-coated. Transparent light guide made of UV-resistant acrylic glass (PMMA). TWIN**DOT** technology light control, light emission direct 55% / indirect 45%. UGR ≤ 19 (screen-compliant according to EN 12464-1). Converter integrated in the canopy (powder coated white). Power supply through suspension cable. 4-point steel cable suspension, steplessly adjustable.

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

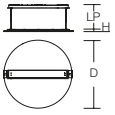
Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires							**Price Category 21**
312352.002	L 645, B 637, H 20	830	4800	43	112	17,5	on/off
312352.002.76	L 645, B 637, H 20	830	4800	43	112	17,5	DALI
312352.002.730	L 645, B 637, H 20	830	4800	43	112	17,5	smart+free
312352.002.1	L 645, B 637, H 20	840	4800	41	117	17,5	on/off
312352.002.1.76	L 645, B 637, H 20	840	4800	41	117	17,5	DALI
312352.002.1.730	L 645, B 637, H 20	840	4800	41	117	17,5	smart+free

Comparison
LED vs. conventional lamps

LED 41 / 43 W ≈
2 x 39 W T16 (82 W Psys)

Pendant luminaires | TWINDOT S round





Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 500-1200 mm

Extremely flat and frameless appearance. Middle bar made of aluminium extrusion profile, powder-coated. Transparent light guide made of UV-resistant acrylic glass (PMMA). TWIN**DOT** technology light control, light emission direct 55% / indirect 45%. UGR ≤ 19 (screen-compliant according to EN 12464-1). Converter integrated in the canopy (powder coated white). Power supply through suspension cable. 4-point steel cable suspension, steplessly adjustable.

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires							**Price Category 21**
312353.002	D 645, H 20	830	4500	41	110	17,4	on/off
312353.002.76	D 645, H 20	830	4500	41	110	17,4	DALI
312353.002.730	D 645, H 20	830	4500	41	110	17,4	smart+free
312353.002.1	D 645, H 20	840	4500	39	115	17,4	on/off
312353.002.1.76	D 645, H 20	840	4500	39	115	17,4	DALI
312353.002.1.730	D 645, H 20	840	4500	39	115	17,4	smart+free

Comparison
LED vs. conventional lamps

LED 39 / 41 W ≈
3 x 21 W T16 (69 W Psys)

TRIONA®

Everything at a glance

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Plug & Play

Very easy plug-in installation.

Easy installation:
canopy with magnetic attachment.



3 different colours are available for the very flat and seamless extruded aluminium profile.

Special colors on request.

Tunable White

HCL ready

Tunable white versions, dynamically adjustable from 2700 K to 6500 K.

Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.

3 types of installation

recessed
surface mounted
pendant



3 designs

round
square
rectangle



TRIONA ring

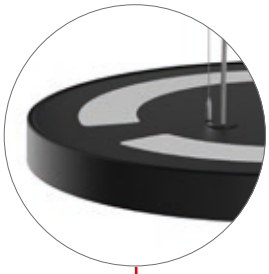
coming soon



Steel cable suspension,
height adjustable steplessly.
transparent power cable.

UGR ≤ 19

Diffuser plastic opal/microprismatic:
ideal for office areas (UGR ≤ 19)
and environments with
computer screens in
accordance with EN 12464-1.



Indirect light emission through
non-yellowing plastic **(PMMA)**
diffuser, satin finish.



2 light emission characteristics

direct
direct/indirect



5 diffusers

Plastic (PMMA), opal
Plastic (PMMA) opal/microprismatic
Glass FerroMurano (TRIONA round)





Tunable White | HCL ready | UGR ≤ 19 | DALI | Casambi smart+ free | Touch DIM | Plug & Play

TRIONA®

Pendant luminaires

ARCHITECTURE

- **Extensive:** 3 designs, 4 sizes, 3 types of installation, 5 diffusers, 3 colours.
- **Versatile:** Built-in, surface-mounted and suspended luminaires.
- **Design-oriented:** This lighting fixture's diffuser is incorporated into an extruded aluminium profile just 50 mm thick.
- **Individual:** Plastic diffuser (PMMA), microprismatic, opal, or for TRIONA round, with optional hand-finished FerroMurano glass.

LIGHTING DESIGN

- **Homogenous:** Particularly homogeneous, soft and glare-free light.
- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Applicable:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Advantageous:** Direct or direct/indirect light emission.

INSTALLATION

- **Easy installation:** Tool-free assembly.
- **Straightforward:** Very easy installation thanks to plug & play connection.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

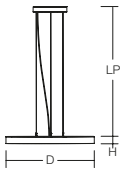


Further luminaires of this series, see:

Indoor lighting | Recessed modular luminaires
Indoor lighting | Surface mounted modular luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | TRIONA round - Diffuser microprismatic



Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 500-1200 mm

Frame made of aluminium, powder-coated. Cover made of sheet steel, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal/microprismatic diffuser (screen-compliant in accordance with EN 12464-1). Canopy made of aluminium, powder-coated (d 263, h 40). Driver integrated. 3-point steel cable suspension, steplessly adjustable. Special lengths are available on request.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Touch DIM Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - Direct light emission							**Price Category 21**
Diameter D 461 mm							
312425.00X.76	D 461, H 52	830	3150	28	113	20,8	DALI
312425.00X.730	D 461, H 52	830	3150	28	113	20,8	smart+free
312425.00X.1.76	D 461, H 52	840	3250	28	116	20,9	DALI
312425.00X.1.730	D 461, H 52	840	3250	28	116	20,9	smart+free
Tunable White - 2700 K to 6500 K							
312425.00X.2.76	D 461, H 52	827-865	2700	29	93	20...20,2	DALI
312425.00X.2.730	D 461, H 52	827-865	2700	29	93	20...20,2	smart+free
Diameter D 681 mm							
312360.00X.76	D 681, H 52	830	3750	31	121	18,7	DALI
312360.00X.730	D 681, H 52	830	3750	31	121	18,7	smart+free
312360.00X.1.76	D 681, H 52	840	3900	31	126	18,8	DALI
312360.00X.1.730	D 681, H 52	840	3900	31	126	18,8	smart+free
Tunable White - 2700 K to 6500 K							
312360.00X.2.76	D 681, H 52	827-865	3550	40	89	17,9...18	DALI
312360.00X.2.730	D 681, H 52	827-865	3550	40	89	17,9...18	smart+free
Diameter D 845 mm							
312361.00X.76	D 845, H 52	830	8050	66	122	19,4	DALI
312361.00X.730	D 845, H 52	830	8050	66	122	19,4	smart+free
312361.00X.1.76	D 845, H 52	840	8350	66	127	19,5	DALI
312361.00X.1.730	D 845, H 52	840	8350	66	127	19,5	smart+free
Tunable White - 2700 K to 6500 K							
312361.00X.2.76	D 845, H 52	827-865	5050	49	103	17,8...18	DALI
312361.00X.2.730	D 845, H 52	827-865	5050	49	103	17,8...18	smart+free
Diameter D 1009 mm							
312362.00X.76	D 1009, H 52	830	9400	84	112	18,9	DALI
312362.00X.730	D 1009, H 52	830	9400	84	112	18,9	smart+free
312362.00X.1.76	D 1009, H 52	840	9750	84	116	19	DALI
312362.00X.1.730	D 1009, H 52	840	9750	84	116	19	smart+free
Tunable White - 2700 K to 6500 K							
312362.00X.2.76	D 1009, H 52	827-865	6000	61	98	16,7...16,9	DALI
312362.00X.2.730	D 1009, H 52	827-865	6000	61	98	16,7...16,9	smart+free
Pendant luminaires - Direct 70%, indirect 30% light emission							**Price Category 21**
Diameter D 461 mm							
312426.00X.76	D 461, H 52	830	3700	38	97	19,4	DALI
312426.00X.730	D 461, H 52	830	3700	38	97	19,4	smart+free
312426.00X.1.76	D 461, H 52	840	3850	38	101	19,5	DALI
312426.00X.1.730	D 461, H 52	840	3850	38	101	19,5	smart+free
Tunable White - 2700 K to 6500 K							
312426.00X.2.76	D 461, H 52	827-865	3250	38	86	18,8...18,9	DALI
312426.00X.2.730	D 461, H 52	827-865	3250	38	86	18,8...18,9	smart+free
Diameter D 681 mm							
312298.00X.76	D 681, H 52	830	6700	64	105	17,6	DALI
312298.00X.730	D 681, H 52	830	6700	64	105	17,6	smart+free
312298.00X.1.76	D 681, H 52	840	6950	64	109	17,7	DALI
312298.00X.1.730	D 681, H 52	840	6950	64	109	17,7	smart+free
Tunable White - 2700 K to 6500 K							
312298.00X.2.76	D 681, H 52	827-865	4800	61	79	16...16,1	DALI
312298.00X.2.730	D 681, H 52	827-865	4800	61	79	16...16,1	smart+free
Diameter D 845 mm							
312301.00X.76	D 845, H 52	830	10600	103	103	17,1	DALI
312301.00X.730	D 845, H 52	830	10600	103	103	17,1	smart+free
312301.00X.1.76	D 845, H 52	840	11000	103	107	17,2	DALI
312301.00X.1.730	D 845, H 52	840	11000	103	107	17,2	smart+free
Tunable White - 2700 K to 6500 K							
312301.00X.2.76	D 845, H 52	827-865	7200	76	95	15,8...16	DALI
312301.00X.2.730	D 845, H 52	827-865	7200	76	95	15,8...16	smart+free
Diameter D 1009 mm							
312304.00X.76	D 1009, H 52	830	12600	115	110	17,1	DALI
312304.00X.730	D 1009, H 52	830	12600	115	110	17,1	smart+free
312304.00X.1.76	D 1009, H 52	840	13100	115	114	17,3	DALI
312304.00X.1.730	D 1009, H 52	840	13100	115	114	17,3	smart+free
Tunable White - 2700 K to 6500 K							
312304.00X.2.76	D 1009, H 52	827-865	7750	85	91	15,1...15,3	DALI
312304.00X.2.730	D 1009, H 52	827-865	7750	85	91	15,1...15,3	smart+free

Light colour 827 on request.

Comparison LED vs. conventional lamps

LED 28 / 29 / 31 W ≈
1 x 55 W T16-R (60 W Psys)

LED 38 / 40 W ≈
1 x 60 W T16-R (65 W Psys)

LED 49 W ≈
3 x 32 W TC-TEL (105 W Psys)

LED 61 W ≈
2 x 57 W TC-TEL (116 W Psys)

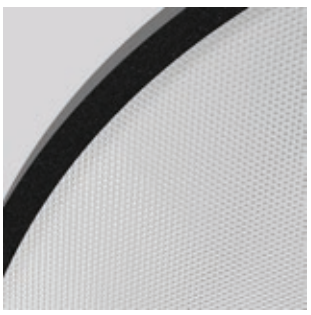
LED 64 W ≈
3 x 42 W TC-TEL (137 W Psys)

LED 66 W ≈
4 x 42 W TC-TEL (180 W Psys)

LED 76 / 85 W ≈
3 x 57 W TC-TEL (175 W Psys)

LED 84 / 103 W ≈
4 x 57 W TC-TEL (232 W Psys)

LED 115 W ≈
5 x 57 W TC-TEL (290 W Psys)





Applies to versions with .76

Comparison LED vs. conventional lamps

LED 29 W ≈
1 x 55 W T16-R (60 W Psys)

LED 38 / 40 W ≈
1 x 60 W T16-R (65 W Psys)

LED 48 / 49 / 61 W ≈
3 x 32 W TC-TEL (105 W Psys)

LED 64 / 70 / 76 W ≈
4 x 32 W TC-TEL (138 W Psys)

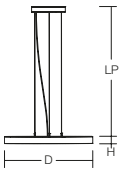
LED 80 / 85 W ≈
4 x 42 W TC-TEL (180 W Psys)

LED 106 W ≈
4 x 57 W TC-TEL (232 W Psys)

LED 133 / 149 W ≈
5 x 57 W TC-TEL (290 W Psys)



Pendant luminaires | TRIONA round - Diffuser opal



Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 500-1200 mm

Frame made of aluminium, powder-coated. Cover made of sheet steel, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal diffuser. Canopy: aluminium, powder-coated (d 263, h 40). Driver integrated. 3-point steel cable suspension, steplessly adjustable. Special lengths are available on request.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

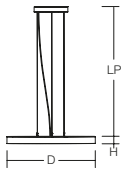
Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - Direct light emission							**Price Category 21**
Diameter D 461 mm							
312421.00X.76	D 461, H 52	830	4650	48	97	24,4	DALI
312421.00X.730	D 461, H 52	830	4650	48	97	24,4	smart+free
312421.00X.1.76	D 461, H 52	840	4900	48	102	24,6	DALI
312421.00X.1.730	D 461, H 52	840	4900	48	102	24,6	smart+free
Tunable White - 2700 K to 6500 K							
312421.00X.2.76	D 461, H 52	827-865	2450	29	84	22,1...22,3	DALI
312421.00X.2.730	D 461, H 52	827-865	2450	29	84	22,1...22,3	smart+free
Diameter D 681 mm							
312385.00X.76	D 681, H 52	830	6450	70	92	22,6	DALI
312385.00X.730	D 681, H 52	830	6450	70	92	22,6	smart+free
312385.00X.1.76	D 681, H 52	840	6750	70	96	22,7	DALI
312385.00X.1.730	D 681, H 52	840	6750	70	96	22,7	smart+free
Tunable White - 2700 K to 6500 K							
312385.00X.2.76	D 681, H 52	827-865	3350	40	84	20...20,2	DALI
312385.00X.2.730	D 681, H 52	827-865	3350	40	84	20...20,2	smart+free
Diameter D 845 mm							
312389.00X.76	D 845, H 52	830	8000	80	100	21,7	DALI
312389.00X.730	D 845, H 52	830	8000	80	100	21,7	smart+free
312389.00X.1.76	D 845, H 52	840	8300	80	104	21,8	DALI
312389.00X.1.730	D 845, H 52	840	8300	80	104	21,8	smart+free
Tunable White - 2700 K to 6500 K							
312389.00X.2.76	D 845, H 52	827-865	4800	49	98	19,6...19,8	DALI
312389.00X.2.730	D 845, H 52	827-865	4800	49	98	19,6...19,8	smart+free
Diameter D 1009 mm							
312393.00X.76	D 1009, H 52	830	11200	106	106	21,6	DALI
312393.00X.730	D 1009, H 52	830	11200	106	106	21,6	smart+free
312393.00X.1.76	D 1009, H 52	840	11700	106	110	21,7	DALI
312393.00X.1.730	D 1009, H 52	840	11700	106	110	21,7	smart+free
Tunable White - 2700 K to 6500 K							
312393.00X.2.76	D 1009, H 52	827-865	5700	61	93	19...19,1	DALI
312393.00X.2.730	D 1009, H 52	827-865	5700	61	93	19...19,1	smart+free
Pendant luminaires - Direct 70%, indirect 30% light emission							**Price Category 21**
Diameter D 461 mm							
312422.00X.76	D 461, H 52	830	5850	64	91	23,3	DALI
312422.00X.730	D 461, H 52	830	5850	64	91	23,3	smart+free
312422.00X.1.76	D 461, H 52	840	6050	64	95	23,4	DALI
312422.00X.1.730	D 461, H 52	840	6050	64	95	23,4	smart+free
Tunable White - 2700 K to 6500 K							
312422.00X.2.76	D 461, H 52	827-865	3050	38	80	20,8...21	DALI
312422.00X.2.730	D 461, H 52	827-865	3050	38	80	20,8...21	smart+free
Diameter D 681 mm							
312386.00X.76	D 681, H 52	830	9300	106	88	20,7	DALI
312386.00X.730	D 681, H 52	830	9300	106	88	20,7	smart+free
312386.00X.1.76	D 681, H 52	840	9650	106	91	20,8	DALI
312386.00X.1.730	D 681, H 52	840	9650	106	91	20,8	smart+free
Tunable White - 2700 K to 6500 K							
312386.00X.2.76	D 681, H 52	827-865	4600	61	75	18...18,2	DALI
312386.00X.2.730	D 681, H 52	827-865	4600	61	75	18...18,2	smart+free
Diameter D 845 mm							
312390.00X.76	D 845, H 52	830	12400	133	93	19,8	DALI
312390.00X.730	D 845, H 52	830	12400	133	93	19,8	smart+free
312390.00X.1.76	D 845, H 52	840	12900	133	97	20	DALI
312390.00X.1.730	D 845, H 52	840	12900	133	97	20	smart+free
Tunable White - 2700 K to 6500 K							
312390.00X.2.76	D 845, H 52	827-865	6800	76	89	17,8...17,9	DALI
312390.00X.2.730	D 845, H 52	827-865	6800	76	89	17,8...17,9	smart+free
Diameter D 1009 mm							
312394.00X.76	D 1009, H 52	830	15300	149	103	19,8	DALI
312394.00X.730	D 1009, H 52	830	15300	149	103	19,8	smart+free
312394.00X.1.76	D 1009, H 52	840	15900	149	107	20	DALI
312394.00X.1.730	D 1009, H 52	840	15900	149	107	20	smart+free
Tunable White - 2700 K to 6500 K							
312394.00X.2.76	D 1009, H 52	827-865	7400	85	87	16,8...17	DALI
312394.00X.2.730	D 1009, H 52	827-865	7400	85	87	16,8...17	smart+free

Light colour 827 on request.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Pendant luminaires | TRIONA round - Diffuser FerroMurano glass



Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 500-1200 mm

Frame made of aluminium, powder-coated. Cover made of sheet steel, powder-coated. Lateral light emission for direct illumination through handmade FerroMurano coloured glass. Canopy: aluminium, powder-coated (d 263, h 40). Driver integrated. 3-point steel cable suspension, steplessly adjustable. Special lengths are available on request.

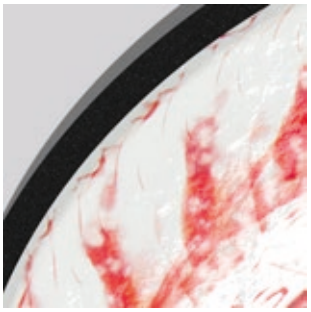
Available colours (X): 2 = white, 31 = anthracite, 4 = silver

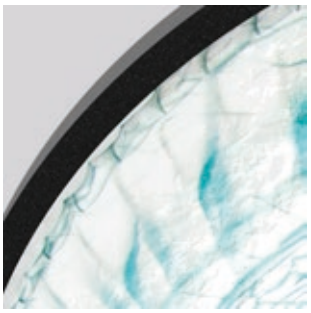
Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

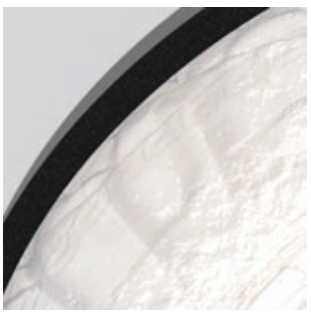


Touch DIM Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires - Direct light emission						**Price Category 21**
Glass FerroMurano red						
Diameter D 461 mm						
312414.00X.76	D 461, H 52	830	2000	28	71	DALI
312414.00X.730	D 461, H 52	830	2000	28	71	smart+free
312414.00X.1.76	D 461, H 52	840	2050	28	73	DALI
312414.00X.1.730	D 461, H 52	840	2050	28	73	smart+free
Diameter D 681 mm						
312358.00X.76	D 681, H 52	830	4100	54	76	DALI
312358.00X.730	D 681, H 52	830	4100	54	76	smart+free
312358.00X.1.76	D 681, H 52	840	4250	54	79	DALI
312358.00X.1.730	D 681, H 52	840	4250	54	79	smart+free
Glass FerroMurano blue						
Diameter D 461 mm						
312415.00X.76	D 461, H 52	830	2300	28	82	DALI
312415.00X.730	D 461, H 52	830	2300	28	82	smart+free
312415.00X.1.76	D 461, H 52	840	2400	28	86	DALI
312415.00X.1.730	D 461, H 52	840	2400	28	86	smart+free
Diameter D 681 mm						
312359.00X.76	D 681, H 52	830	5000	54	93	DALI
312359.00X.730	D 681, H 52	830	5000	54	93	smart+free
312359.00X.1.76	D 681, H 52	840	5200	54	96	DALI
312359.00X.1.730	D 681, H 52	840	5200	54	96	smart+free
Glass FerroMurano white						
Diameter D 461 mm						
312413.00X.76	D 461, H 52	830	2550	28	91	DALI
312413.00X.730	D 461, H 52	830	2550	28	91	smart+free
312413.00X.1.76	D 461, H 52	840	2650	28	95	DALI
312413.00X.1.730	D 461, H 52	840	2650	28	95	smart+free
Diameter D 681 mm						
312357.00X.76	D 681, H 52	830	5650	54	105	DALI
312357.00X.730	D 681, H 52	830	5650	54	105	smart+free
312357.00X.1.76	D 681, H 52	840	5950	54	110	DALI
312357.00X.1.730	D 681, H 52	840	5950	54	110	smart+free
Pendant luminaires - Direct 70%, indirect 30% light emission						**Price Category 21**
Glass FerroMurano red						
Diameter D 461 mm						
312417.00X.76	D 461, H 52	830	2600	38	68	DALI
312417.00X.730	D 461, H 52	830	2600	38	68	smart+free
312417.00X.1.76	D 461, H 52	840	2700	38	71	DALI
312417.00X.1.730	D 461, H 52	840	2700	38	71	smart+free
Diameter D 681 mm						
312294.00X.76	D 681, H 52	830	4550	64	71	DALI
312294.00X.730	D 681, H 52	830	4550	64	71	smart+free
312294.00X.1.76	D 681, H 52	840	4700	64	73	DALI
312294.00X.1.730	D 681, H 52	840	4700	64	73	smart+free
Glass FerroMurano blue						
Diameter D 461 mm						
312418.00X.76	D 461, H 52	830	2950	38	78	DALI
312418.00X.730	D 461, H 52	830	2950	38	78	smart+free
312418.00X.1.76	D 461, H 52	840	3150	38	83	DALI
312418.00X.1.730	D 461, H 52	840	3150	38	83	smart+free
Diameter D 681 mm						
312295.00X.76	D 681, H 52	830	5450	64	85	DALI
312295.00X.730	D 681, H 52	830	5450	64	85	smart+free
312295.00X.1.76	D 681, H 52	840	5650	64	88	DALI
312295.00X.1.730	D 681, H 52	840	5650	64	88	smart+free
Glass FerroMurano white						
Diameter D 461 mm						
312416.00X.76	D 461, H 52	830	3350	38	88	DALI
312416.00X.730	D 461, H 52	830	3350	38	88	smart+free
312416.00X.1.76	D 461, H 52	840	3500	38	92	DALI
312416.00X.1.730	D 461, H 52	840	3500	38	92	smart+free
Diameter D 681 mm						
312293.00X.76	D 681, H 52	830	6200	64	97	DALI
312293.00X.730	D 681, H 52	830	6200	64	97	smart+free
312293.00X.1.76	D 681, H 52	840	6350	64	99	DALI
312293.00X.1.730	D 681, H 52	840	6350	64	99	smart+free







The luminaire flux of each luminaire varies due to the difference in colour intensity and structure of the glasses. Light colour 827 on request.



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 28 W ≈
3 x 26 W TC-TEL (85 W Psys)

LED 41 W ≈
4 x 26 W TC-TEL (112 W Psys)

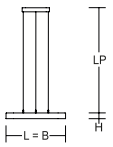
LED 51 W ≈
3 x 42 W TC-TEL (137 W Psys)

LED 64 W ≈
4 x 42 W TC-TEL (180 W Psys)

LED 91 W ≈
4 x 57 W TC-TEL (232 W Psys)

LED 106 W ≈
5 x 57 W TC-TEL (290 W Psys)

Pendant luminaires | TRIONA square - Diffuser microprismatic



Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 500-1200 mm

Frame made of aluminium, powder-coated. Cover made of sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal/microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). LED backlight technology for homogeneous illumination of the entire light-emitting surface. Canopy: aluminium, powder-coated (l 259, b 259, h 38.5). Driver integrated. 4-point steel cable suspension, steplessly adjustable. Special lengths are available on request.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - Direct light emission							**Price Category 21**
Length L 567 x Width B 567 mm							
312438.00X.76	L 567, B 567, H 52	830	3600	28	129	18,9	DALI
312438.00X.730	L 567, B 567, H 52	830	3600	28	129	18,9	smart+free
312438.00X.1.76	L 567, B 567, H 52	840	3750	28	134	19	DALI
312438.00X.1.730	L 567, B 567, H 52	840	3750	28	134	19	smart+free
Length L 696 x Width B 696 mm							
312442.00X.76	L 696, B 696, H 52	830	5600	41	137	18,8	DALI
312442.00X.730	L 696, B 696, H 52	830	5600	41	137	18,8	smart+free
312442.00X.1.76	L 696, B 696, H 52	840	5800	41	141	18,9	DALI
312442.00X.1.730	L 696, B 696, H 52	840	5800	41	141	18,9	smart+free
Length L 825 x Width B 825 mm							
312446.00X.76	L 825, B 825, H 52	830	7250	51	142	18,8	DALI
312446.00X.730	L 825, B 825, H 52	830	7250	51	142	18,8	smart+free
312446.00X.1.76	L 825, B 825, H 52	840	7550	51	148	18,9	DALI
312446.00X.1.730	L 825, B 825, H 52	840	7550	51	148	18,9	smart+free
Pendant luminaires - Direct/indirect light emission							**Price Category 21**
Length L 567 x Width B 567 mm							
312439.00X.76 *	L 567, B 567, H 52	830	7700	64	120	16,5	DALI
312439.00X.730 *	L 567, B 567, H 52	830	7700	64	120	16,5	smart+free
312439.00X.1.76 *	L 567, B 567, H 52	840	7900	64	123	16,6	DALI
312439.00X.1.730 *	L 567, B 567, H 52	840	7900	64	123	16,6	smart+free
Length L 696 x Width B 696 mm							
312443.00X.76 **	L 696, B 696, H 52	830	11400	91	125	16,7	DALI
312443.00X.730 **	L 696, B 696, H 52	830	11400	91	125	16,7	smart+free
312443.00X.1.76 **	L 696, B 696, H 52	840	11800	91	130	16,8	DALI
312443.00X.1.730 **	L 696, B 696, H 52	840	11800	91	130	16,8	smart+free
Length L 825 x Width B 825 mm							
312447.00X.76 **	L 825, B 825, H 52	830	13900	106	131	17,5	DALI
312447.00X.730 **	L 825, B 825, H 52	830	13900	106	131	17,5	smart+free
312447.00X.1.76 **	L 825, B 825, H 52	840	14400	106	136	17,6	DALI
312447.00X.1.730 **	L 825, B 825, H 52	840	14400	106	136	17,6	smart+free

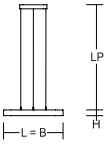
* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Pendant luminaires | TRIONA square - Diffuser opal



Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 500-1200 mm

Frame made of aluminium, powder-coated. Cover made of sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Canopy: aluminium, powder-coated (l 259, b 259, h 38.5). Driver integrated. 4-point steel cable suspension, steplessly adjustable. Special lengths are available on request.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - Direct light emission							**Price Category 21**
Length L 567 x Width B 567 mm							
312655.00X.76	L 567, B 567, H 52	830	6150	51	121	23,1	DALI
312655.00X.730	L 567, B 567, H 52	830	6150	51	121	23,1	smart+free
312655.00X.1.76	L 567, B 567, H 52	840	6400	51	125	23,3	DALI
312655.00X.1.730	L 567, B 567, H 52	840	6400	51	125	23,3	smart+free
Length L 696 x Width B 696 mm							
312659.00X.76	L 696, B 696, H 52	830	9500	76	125	23,1	DALI
312659.00X.730	L 696, B 696, H 52	830	9500	76	125	23,1	smart+free
312659.00X.1.76	L 696, B 696, H 52	840	9900	76	130	23,3	DALI
312659.00X.1.730	L 696, B 696, H 52	840	9900	76	130	23,3	smart+free
Length L 825 x Width B 825 mm							
312663.00X.76	L 825, B 825, H 52	830	14000	109	128	23,2	DALI
312663.00X.730	L 825, B 825, H 52	830	14000	109	128	23,2	smart+free
312663.00X.1.76	L 825, B 825, H 52	840	14600	109	134	23,4	DALI
312663.00X.1.730	L 825, B 825, H 52	840	14600	109	134	23,4	smart+free
Pendant luminaires - Direct/indirect light emission							**Price Category 21**
Length L 567 x Width B 567 mm							
312656.00X.76 *	L 567, B 567, H 52	830	9500	79	120	20,6	DALI
312656.00X.730 *	L 567, B 567, H 52	830	9500	79	120	20,6	smart+free
312656.00X.1.76 *	L 567, B 567, H 52	840	9850	79	125	20,7	DALI
312656.00X.1.730 *	L 567, B 567, H 52	840	9850	79	125	20,7	smart+free
Length L 696 x Width B 696 mm							
312660.00X.76 **	L 696, B 696, H 52	830	13900	113	123	20,8	DALI
312660.00X.730 **	L 696, B 696, H 52	830	13900	113	123	20,8	smart+free
312660.00X.1.76 **	L 696, B 696, H 52	840	14500	113	128	21	DALI
312660.00X.1.730 **	L 696, B 696, H 52	840	14500	113	128	21	smart+free
Length L 825 x Width B 825 mm							
312664.00X.76 **	L 825, B 825, H 52	830	18300	146	125	21,6	DALI
312664.00X.730 **	L 825, B 825, H 52	830	18300	146	125	21,6	smart+free
312664.00X.1.76 **	L 825, B 825, H 52	840	19000	146	130	21,7	DALI
312664.00X.1.730 **	L 825, B 825, H 52	840	19000	146	130	21,7	smart+free

* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.

Comparison LED vs. conventional lamps

LED 51 W ≈
4 x 32 W TC-TEL (138 W Psys)

LED 76 / 79 W ≈
4 x 42 W TC-TEL (180 W Psys)

LED 109 / 113 W ≈
5 x 57 W TC-TEL (290 W Psys)

LED 146 W ≈
6 x 57 W TC-TEL (348 W Psys)







Applies to versions with .76

Comparison LED vs. conventional lamps

LED 30 W ≈
2 x 28 W T16 (61 W Psys)

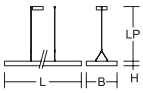
LED 42 / 46 W ≈
3 x 28 W T16 (92 W Psys)

LED 68 / 77 W ≈
4 x 35 W T16 (150 W Psys)

LED 96 / 102 W ≈
3 x 54 W T16 (174 W Psys)

LED 132 W ≈
4 x 54 W T16 (230 W Psys)

Pendant luminaires | TRIONA rectangle - Diffuser microprismatic



Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 1200 mm

Frame made of aluminium, powder-coated. Cover made of sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal/microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). LED backlight technology for homogeneous illumination of the entire light-emitting surface. Canopy: aluminium, powder-coated (l 122, b 122, h 38.5). Driver integrated. 2-point steel cable suspension, steplessly adjustable. Special lengths are available on request.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - Direct light emission							**Price Category 21**
Length L 1040 x Width B 350 mm							
312723.00X.76	L 1040, B 350, H 52	830	3950	30	132	18,6	DALI
312723.00X.730	L 1040, B 350, H 52	830	3950	30	132	18,6	smart+free
312723.00X.1.76	L 1040, B 350, H 52	840	4100	30	137	18,8	DALI
312723.00X.1.730	L 1040, B 350, H 52	840	4100	30	137	18,8	smart+free
Length L 1300 x Width B 350 mm							
312727.00X.76	L 1300, B 350, H 52	830	5250	42	125	18,8	DALI
312727.00X.730	L 1300, B 350, H 52	830	5250	42	125	18,8	smart+free
312727.00X.1.76	L 1300, B 350, H 52	840	5450	42	130	18,9	DALI
312727.00X.1.730	L 1300, B 350, H 52	840	5450	42	130	18,9	smart+free
Length L 1300 x Width B 600 mm							
312735.00X.76	L 1300, B 600, H 52	830	9350	68	138	18,8	DALI
312735.00X.730	L 1300, B 600, H 52	830	9350	68	138	18,8	smart+free
312735.00X.1.76	L 1300, B 600, H 52	840	9700	68	143	18,9	DALI
312735.00X.1.730	L 1300, B 600, H 52	840	9700	68	143	18,9	smart+free
Length L 1560 x Width B 350 mm							
312731.00X.76	L 1560, B 350, H 52	830	6250	46	136	18,7	DALI
312731.00X.730	L 1560, B 350, H 52	830	6250	46	136	18,7	smart+free
312731.00X.1.76	L 1560, B 350, H 52	840	6500	46	141	18,9	DALI
312731.00X.1.730	L 1560, B 350, H 52	840	6500	46	141	18,9	smart+free
Pendant luminaires - Direct/indirect light emission							**Price Category 21**
Length L 1040 x Width B 350 mm							
312724.00X.76 *	L 1040, B 350, H 52	830	9300	77	121	16	DALI
312724.00X.730 *	L 1040, B 350, H 52	830	9300	77	121	16	smart+free
312724.00X.1.76 *	L 1040, B 350, H 52	840	9700	77	126	16,2	DALI
312724.00X.1.730 *	L 1040, B 350, H 52	840	9700	77	126	16,2	smart+free
Length L 1300 x Width B 350 mm							
312728.00X.76 *	L 1300, B 350, H 52	830	11600	96	121	16	DALI
312728.00X.730 *	L 1300, B 350, H 52	830	11600	96	121	16	smart+free
312728.00X.1.76 *	L 1300, B 350, H 52	840	12100	96	126	16,2	DALI
312728.00X.1.730 *	L 1300, B 350, H 52	840	12100	96	126	16,2	smart+free
Length L 1300 x Width B 600 mm							
312736.00X.76 *	L 1300, B 600, H 52	830	17000	132	129	17,2	DALI
312736.00X.730 *	L 1300, B 600, H 52	830	17000	132	129	17,2	smart+free
312736.00X.1.76 *	L 1300, B 600, H 52	840	17700	132	134	17,3	DALI
312736.00X.1.730 *	L 1300, B 600, H 52	840	17700	132	134	17,3	smart+free
Length L 1560 x Width B 350 mm							
312732.00X.76 **	L 1560, B 350, H 52	830	12900	102	126	16,4	DALI
312732.00X.730 **	L 1560, B 350, H 52	830	12900	102	126	16,4	smart+free
312732.00X.1.76 **	L 1560, B 350, H 52	840	13500	102	132	16,6	DALI
312732.00X.1.730 **	L 1560, B 350, H 52	840	13500	102	132	16,6	smart+free

* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.









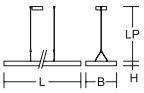






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Pendant luminaires | TRIONA rectangle - Diffuser opal



Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 1200 mm

Frame made of aluminium, powder-coated. Cover made of sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Canopy: aluminium, powder-coated (l 122, b 122, h 38.5). Driver integrated. 2-point steel cable suspension, steplessly adjustable. Special lengths are available on request.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - Direct light emission							**Price Category 21**
Length L 1040 x Width B 350 mm							
312721.00X.76	L 1040, B 350, H 52	830	6400	52	123	23	DALI
312721.00X.730	L 1040, B 350, H 52	830	6400	52	123	23	smart+free
312721.00X.1.76	L 1040, B 350, H 52	840	6650	52	128	23,1	DALI
312721.00X.1.730	L 1040, B 350, H 52	840	6650	52	128	23,1	smart+free
Length L 1300 x Width B 350 mm							
312725.00X.76	L 1300, B 350, H 52	830	7400	61	121	22,7	DALI
312725.00X.730	L 1300, B 350, H 52	830	7400	61	121	22,7	smart+free
312725.00X.1.76	L 1300, B 350, H 52	840	7700	61	126	22,8	DALI
312725.00X.1.730	L 1300, B 350, H 52	840	7700	61	126	22,8	smart+free
Length L 1300 x Width B 600 mm							
312733.00X.76	L 1300, B 600, H 52	830	13800	108	128	22,8	DALI
312733.00X.730	L 1300, B 600, H 52	830	13800	108	128	22,8	smart+free
312733.00X.1.76	L 1300, B 600, H 52	840	14400	108	133	23	DALI
312733.00X.1.730	L 1300, B 600, H 52	840	14400	108	133	23	smart+free
Length L 1560 x Width B 350 mm							
312729.00X.76	L 1560, B 350, H 52	830	13500	108	125	24,2	DALI
312729.00X.730	L 1560, B 350, H 52	830	13500	108	125	24,2	smart+free
312729.00X.1.76	L 1560, B 350, H 52	840	14100	108	131	24,3	DALI
312729.00X.1.730	L 1560, B 350, H 52	840	14100	108	131	24,3	smart+free
Pendant luminaires - Direct/indirect light emission							**Price Category 21**
Length L 1040 x Width B 350 mm							
312722.00X.76 *	L 1040, B 350, H 52	830	10100	84	120	20,6	DALI
312722.00X.730 *	L 1040, B 350, H 52	830	10100	84	120	20,6	smart+free
312722.00X.1.76 *	L 1040, B 350, H 52	840	10500	84	125	20,7	DALI
312722.00X.1.730 *	L 1040, B 350, H 52	840	10500	84	125	20,7	smart+free
Length L 1300 x Width B 350 mm							
312726.00X.76 *	L 1300, B 350, H 52	830	11700	97	121	19,9	DALI
312726.00X.730 *	L 1300, B 350, H 52	830	11700	97	121	19,9	smart+free
312726.00X.1.76 *	L 1300, B 350, H 52	840	12200	97	126	20,1	DALI
312726.00X.1.730 *	L 1300, B 350, H 52	840	12200	97	126	20,1	smart+free
Length L 1300 x Width B 600 mm							
312734.00X.76 **	L 1300, B 600, H 52	830	19200	153	125	20,7	DALI
312734.00X.730 **	L 1300, B 600, H 52	830	19200	153	125	20,7	smart+free
312734.00X.1.76 **	L 1300, B 600, H 52	840	20000	153	131	20,9	DALI
312734.00X.1.730 **	L 1300, B 600, H 52	840	20000	153	131	20,9	smart+free
Length L 1560 x Width B 350 mm							
312730.00X.76 **	L 1560, B 350, H 52	830	18700	153	122	22,1	DALI
312730.00X.730 **	L 1560, B 350, H 52	830	18700	153	122	22,1	smart+free
312730.00X.1.76 **	L 1560, B 350, H 52	840	19500	153	127	22,2	DALI
312730.00X.1.730 **	L 1560, B 350, H 52	840	19500	153	127	22,2	smart+free

* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.

Comparison LED vs. conventional lamps

LED 52 W ≈
3 x 28 W T16 (92 W Psys)

LED 61 W ≈
3 x 39 W T16 (123 W Psys)

LED 84 / 97 W ≈
3 x 54 W T16 (174 W Psys)

LED 108 W ≈
4 x 54 W T16 (230 W Psys)

LED 153 W ≈
4 x 80 W T16 (354 W Psys)











Tunable White | HCL ready | UGR ≤ 19 | DALI | Casambi smart+ free | Touch DIM | Plug & Play

SIDELITE®

Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Minimalist design. Extremely low installed height.
- **Extensive:** Pendant luminaires, ceiling and wall luminaires.
- **Long service life:** Lightguide and plastic diffuser made of non-yellowing PMMA.
- **Individual:** Option of hand-finished FerroMurano glass.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Uniform:** Lateral light emission (RZB SIDELITE® technology) for homogeneous light distribution.
- **Dynamic:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.

INSTALLATION

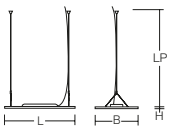
- **Easy installation:** Very easy installation thanks to plug & play connection.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.



Further luminaires of this series, see:
Indoor lighting | Surface mounted modular luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | SIDELITE





Type of protection: **IP 40**
Protection class: I
Impact protection: IK03
Suspension Length: 300-3000 mm

Frame: extruded anodised aluminium profile. Cover made of sheet steel, powder-coated. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser with microstructure (suitable for use in environments with computer screens in accordance with EN 12464-1). Lateral light emission thanks to LED. Driver integrated. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 4 = aluminium, anodised

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires							**Price Category 21**
312270.004	L 598, B 598, H 49	830	3800	33	115	18,1	on/off
312270.004.76	L 598, B 598, H 49	830	3800	33	115	18,1	DALI
312270.004.1	L 598, B 598, H 49	840	4300	33	130	18,9	on/off
312270.004.1.76	L 598, B 598, H 49	840	4300	33	130	18,9	DALI
Tunable White - 2700 K to 6500 K							
312270.004.2.730	L 598, B 598, H 51	827-865	2900	28	104	17...17,1	smart+free

Comparison
LED vs. conventional lamps

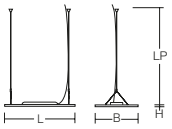
LED 28 W ≈
3 x 14 W T16 (46 W Psys)
2 x 24 W T16 (49 W Psys)

LED 33 W ≈
3 x 24 W T16 (75 W Psys)

Accessories | Canopy
Canopy: metal, powder-coated, white.

Canopy			Price Category 21
981947.002	L 186, B 42, H 29	Canopy for DALI version (5 pole).	
981948.002	L 186, B 42, H 29	Canopy for standard version (3 pole) and Casambi smart+free.	

Pendant luminaires | SIDELITE





Type of protection: **IP 40**
Protection class: I
Impact protection: IK03
Suspension Length: 300-3000 mm

Frame: extruded anodised aluminium profile. Cover made of sheet steel, powder-coated. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser with microstructure (suitable for use in environments with computer screens in accordance with EN 12464-1). Lateral light emission thanks to LED. Driver integrated. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 4 = aluminium, anodised

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires							**Price Category 21**
312271.004	L 1198, B 298, H 49	830	3950	33	120	18,2	on/off
312271.004.76	L 1198, B 298, H 49	830	3950	33	120	18,2	DALI
312271.004.1	L 1198, B 298, H 49	840	4100	33	124	18,5	on/off
312271.004.1.76	L 1198, B 298, H 49	840	4100	33	124	18,5	DALI
Tunable White - 2700 K to 6500 K							
312271.004.2.730	L 1198, B 298, H 51	827-865	3350	28	120	17,6...17,6	smart+free

Comparison
LED vs. conventional lamps

LED 28 W ≈
4 x 14 W T16 (60 W Psys)

LED 33 W ≈
3 x 24 W T16 (75 W Psys)

Accessories | Canopy
Canopy: metal, powder-coated, white.

Canopy			Price Category 21
981947.002	L 186, B 42, H 29	Canopy for DALI version (5 pole).	
981948.002	L 186, B 42, H 29	Canopy for standard version (3 pole) and Casambi smart+free.	



Applies to versions with .76

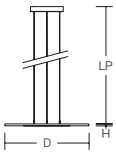
Comparison LED vs. conventional lamps

LED 18 / 19 / 24 W (D 348 mm) ≈
1 x 40 W T16-R (43 W Psys)

LED 23 / 24 (D 457 mm) / 25 W ≈
1 x 55 W T16-R (60 W Psys)

LED 29 / 34 / 35 W ≈
1 x 60 W T16-R (65 W Psys)

Pendant luminaires | SIDELITE round - Diffuser microprismatic



Type of protection: **IP 40**
Protection class: I
Impact protection: IK03
Suspension Length: 500-1200 mm

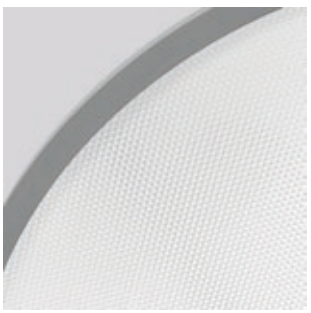
Frame: extruded anodised aluminium profile. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser opal/microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). Canopy aluminium anodised. For pendant lengths of up to 2 m, power is supplied through a suspension cable. For pendant lengths of 2 m and more, and for all tunable white versions, power must be supplied through a separate cable. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Driver integrated. Lateral light emission thanks to LED.

Available colour: aluminium, anodised

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

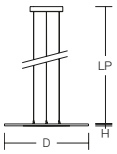
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires							**Price Category 21**
Diffuser: plastic (PMMA) opal/microprismatic							
Diameter D 348 mm, canopy Ø 221 mm, h 36 mm							
311998.000.76	D 348, H 15	830	1900	18	106	21,7	DALI
311998.000.730	D 348, H 15	830	1900	18	106	21,7	smart+free
311998.000.1.76	D 348, H 15	840	2000	18	111	21,8	DALI
311998.000.1.730	D 348, H 15	840	2000	18	111	21,8	smart+free
Tunable White - 2700 K to 6500 K							
311998.000.2.76	D 348, H 15	827-865	1700	19	89	21,1...21,1	DALI
311998.000.2.730	D 348, H 15	827-865	2050	24	87	21,4...21,7	smart+free
Diameter D 457 mm, canopy Ø 221 mm, h 36 mm							
311911.004.76	D 457, H 15	830	2650	23	115	20,6	DALI
311911.004.730	D 457, H 15	830	2650	23	115	20,6	smart+free
311911.004.1.76	D 457, H 15	840	2800	23	122	20,8	DALI
311911.004.1.730	D 457, H 15	840	2800	23	122	20,8	smart+free
Tunable White - 2700 K to 6500 K							
311911.004.2.76	D 457, H 15	827-865	2350	24	98	20,1...20,2	DALI
311911.004.2.730	D 457, H 15	827-865	2400	25	96	20,2...20,4	smart+free
Diameter D 675 mm, canopy Ø 263 mm, h 40 mm							
311681.000.76	D 675, H 15	830	3450	29	119	18,7	DALI
311681.000.730	D 675, H 15	830	3450	29	119	18,7	smart+free
311681.000.1.76	D 675, H 15	840	3650	29	126	18,9	DALI
311681.000.1.730	D 675, H 15	840	3650	29	126	18,9	smart+free
Tunable White - 2700 K to 6500 K							
311681.000.2.76	D 675, H 15	827-865	3700	34	109	18,4...18,5	DALI
311681.000.2.730	D 675, H 15	827-865	3800	35	109	18,4...18,6	smart+free

Light colour 827 on request.



Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Pendant luminaires | SIDELITE round - Diffuser FerroMurano glass





Type of protection: **IP 40**
Protection class: I
Impact protection: IK02
Suspension Length: 500-1200 mm

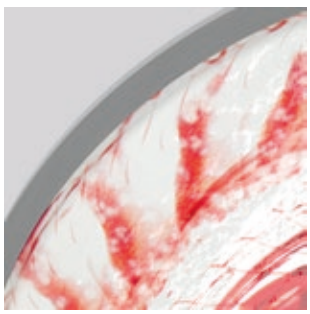
Frame: extruded anodised aluminium profile. Diffuser: handcrafted, coloured glass FerroMurano. Canopy aluminium anodised. For pendant lengths of up to 2 m, power is supplied through a suspension cable. For pendant lengths of 2 m and more, and for all tunable white versions, power must be supplied through a separate cable. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Driver integrated. Lateral light emission thanks to LED.

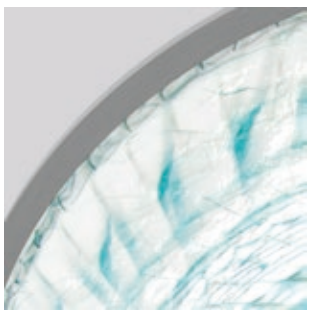
Available colour: aluminium, anodised

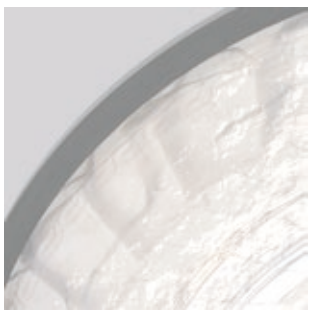
Touch DIM Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires						**Price Category 21**
Glass FerroMurano red						
Diameter D 457 mm, canopy Ø 221 mm, h 36 mm						
311907.004.76	D 457, H 15	830	1950	36	54	DALI
311907.004.1.76	D 457, H 15	840	2150	36	60	DALI
Diameter D 675 mm, canopy Ø 263 mm, h 40 mm						
311677.000.76	D 675, H 15	830	3650	51	72	DALI
311677.000.1.76	D 675, H 15	840	4000	52	77	DALI
Glass FerroMurano blue						
Diameter D 457 mm, canopy Ø 221 mm, h 36 mm						
311908.004.76	D 457, H 15	830	2550	36	71	DALI
311908.004.1.76	D 457, H 15	840	2800	36	78	DALI
Diameter D 675 mm, canopy Ø 263 mm, h 40 mm						
311678.000.76	D 675, H 15	830	4550	51	89	DALI
311678.000.1.76	D 675, H 15	840	4900	52	94	DALI
Glass FerroMurano white						
Diameter D 457 mm, canopy Ø 221 mm, h 36 mm						
311910.004.76	D 457, H 15	830	3200	36	89	DALI
311910.004.1.76	D 457, H 15	840	3400	36	94	DALI
Diameter D 675 mm, canopy Ø 263 mm, h 40 mm						
311693.000.76	D 675, H 15	830	5200	51	102	DALI
311693.000.1.76	D 675, H 15	840	5700	52	110	DALI

The luminaire flux of each luminaire varies due to the difference in colour intensity and structure of the glasses. Light colour 827 on request.











SIDELITE® ECO

Pendant luminaires

ARCHITECTURE

- **Extensive:** Extremely cost efficient luminaires with advanced LED technology, available as recessed, ceiling, wall, pendant and free-standing luminaires.
- **Long service life:** Lightguide and diffuser made of non-yellowing PMMA with microprismatic.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Uniform:** RZB SIDELITE® technology: Lateral light injection for extremely homogeneous light distribution.
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).
- **Advantageous:** LED rated life 50,000 h (L80/B50).

INSTALLATION

- **Variable:** MultiLumen - 4-step adjustable luminous flux.
- **Easy installation:** External driver with simple plug-in locking system.

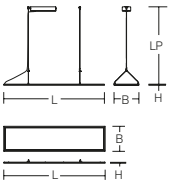


Further luminaires of this series, see:

Indoor lighting | Recessed modular luminaires
Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Free-standing luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | SIDELITE ECO





Type of protection: **IP 40**, canopy IP 20
Protection class: II
Impact protection: IK03
Suspension Length: 300-1500 mm

Frame made of aluminium, powder-coated. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser made of non-yellowing plastic, opal or microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). Lateral light emission thanks to LED. Converter in the canopy. 2-point steel cable suspension, steplessly adjustable.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - Direct 70%, indirect 30% light emission							**Price Category 21**
Diffuser: plastic (PMMA), opal							
312373.002.790	L 1195, B 295, H 12	830	3500...4400	29...38	121	18,5...19,3	on/off
312373.002.1.790	L 1195, B 295, H 12	840	3650...4550	29...38	126	18,6...19,4	on/off
312373.002.5.76	L 1195, B 295, H 12	830	4250	38	112	19,2	DALI
312373.002.6.76	L 1195, B 295, H 12	840	4400	38	116	19,3	DALI
Diffuser: plastic (PMMA) microprismatic							
312374.002.790	L 1195, B 295, H 12	830	3700...4600	29...38	128	14,8...15,6	on/off
312374.002.1.790	L 1195, B 295, H 12	840	3850...4800	29...38	133	14,9...15,7	on/off
312374.002.5.76	L 1195, B 295, H 12	830	4450	38	117	15,4	DALI
312374.002.6.76	L 1195, B 295, H 12	840	4600	38	121	15,6	DALI

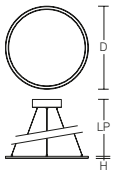
MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 29 W ≈
1 x 60 W T16-R (65 W Psys)

LED 38 W ≈
1 x 22 + 40 W T16-R (70 W Psys)

Pendant luminaires | SIDELITE ECO





Type of protection: **IP 40**
Protection class: II
Impact protection: IK03
Suspension Length: 300-1500 mm

Frame made of aluminium, powder-coated. Lightguide and diffuser made of non-yellowing plastic (PMMA). Choice of opal or transparent plastic (PMMA) diffuser. Lateral light emission thanks to LED. Converter in the canopy. 3-point steel cable suspension, steplessly adjustable.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - Direct 50%, indirect 50% light emission							**Price Category 21**
Diffuser: plastic (PMMA), opal							
312158.002	D 580, H 15	830	3250	39	83	15,8	on/off
312158.002.76	D 580, H 15	830	3250	39	83	15,8	DALI
312158.002.1	D 580, H 15	840	3250	39	83	15,8	on/off
312158.002.1.76	D 580, H 15	840	3250	39	83	15,8	DALI
Diffuser: plastic (PMMA), transparent							
312159.002	D 580, H 15	830	3400	39	87	19,4	on/off
312159.002.76	D 580, H 15	830	3400	39	87	19,4	DALI
312159.002.1	D 580, H 15	840	3550	39	91	19,7	on/off
312159.002.1.76	D 580, H 15	840	3550	39	91	19,7	DALI

Comparison
LED vs. conventional lamps

LED 39 W ≈
1 x 60 W T16-R (65 W Psys)


Diffuser: opal

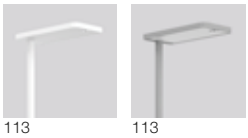

Diffuser: transparent (off)


Diffuser: transparent (on)



The application image shows:
NAVONA

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113

113


115


115

SIDELITE ECO
112-113

NAVONA
114-115



SIDELITE® ECO

Free-standing luminaires

ARCHITECTURE

- **Extensive:** Extremely cost efficient luminaires with advanced LED technology, available as recessed, ceiling, wall, pendant and free-standing luminaires.
- **Flexible:** LED free-standing luminaires for single and double workplaces.
- **Long service life:** Lightguide and diffuser made of non-yellowing PMMA with microprismatic.

LIGHTING DESIGN

- **Anti-glare:** Suitable for office areas and computer workstations.
- **Uniform:** RZB SIDELITE® technology: Lateral light injection for extremely homogeneous light distribution.
- **Individual:** Separately controllable direct and indirect light part.
- **Efficient:** Versions with intelligent presence control and brightness sensors.

INSTALLATION

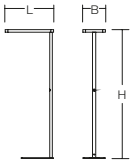
- **Straightforward:** Quick commissioning. Plug in and ready.
- **Easy installation:** Pre-assembled components. Luminaire head, luminaire tube, base plate quickly assembled in a few steps.



Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires
Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Suspended modular luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Free-standing luminaires | SIDELITE ECO





Type of protection: IP 20
Protection class: I
Impact protection: IK02

LED free-standing luminaires for single and double workplaces, optionally with intelligent presence control and brightness sensors. Integral driver located inside the luminaire tube. Direct/indirect emission in 40:60 ratio. Direct light control using plastic diffuser with fine microstructure (screen-compliant in accordance with EN 12464-1). Indirect light control via opal plastic diffuser, diffusers and light guide made of non-yellowing PMMA. Flat steel base plate for high stability and space-saving positioning with office furniture. Top and luminaire tube made of aluminium. Luminaire powder coated. Pushbutton ergonomically integrated in the luminaire tube. With 2 m connection cable including safety plug (Schuko). Dimming range 10% to 100%.

Touch-Dim version: The luminaire remains switched off after the mains supply is restored.

Version with sensors: The luminaire goes into stand-by after the mains supply is restored.

Luminaire top (L 750 x W 350 x H 40 mm).

Available colours (X): 2 = white, 45 = white aluminium

Comparison
LED vs. conventional lamps

LED 93 W ≈
4 x 35 W T16 (150 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Free-standing luminaires, Direct/indirect - can be switched and dimmable separately							**Price Category 21**
312398.00X.1	L 750, B 350, H 2000	840	9900	93	107	14,7	Touch-Dim
312398.00X.1.19	L 750, B 350, H 2000	840	9900	93	107	14,7	Sensor


Base plate (350 x 500 mm) with opening (115 mm).


Versions with intelligent presence control and brightness sensors.


Flush membrane switch for easy operation.



Sample product performance comparison with direct and indirect light emission

Length 4.0 m | Width 3.50 m | Height 2.80 m | Maintenance factor 0.80 | Working plane 0.75 m | Mounting Height 2.0 m

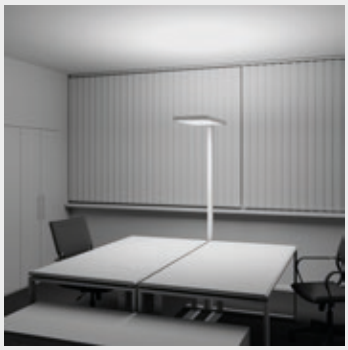
Single workplace

Reference number	**312398.002.1**
Wattage	LED 93 W / 9900 lm
Number of luminaires	1
Average illuminance	**Em > 500 lx**



Double workplace

Reference number	**312398.002.1**
Wattage	LED 93 W / 9900 lm
Number of luminaires	1
Average illuminance	**Em > 500 lx**





NAVONA

Free-standing luminaires

ARCHITECTURE

- **Functional:** Highly efficient LED free-standing luminaire for single and double workplaces.
- **Long service life:** Lightguide and diffuser made of non-yellowing PMMA with microprismatic.

LIGHTING DESIGN

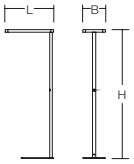
- **Anti-glare:** Suitable for office areas and computer workstations.
- **Homogenous:** Provides a large amount of indirect light.
- **Efficient:** With intelligent presence control and brightness sensors.

INSTALLATION

- **Straightforward:** Quick commissioning. Plug in and ready.
- **Easy installation:** Pre-assembled components. Luminaire head, luminaire tube, base plate quickly assembled in a few steps.
- **Advantageous:** With wide opening in the base plate especially for double workplaces.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Free-standing luminaires | NAVONA





Type of protection: IP 20
Protection class: I
Impact protection: IK03

LED free-standing luminaires for single and double workplaces with intelligent presence control and brightness sensors. Integral driver located inside the column. Direct/indirect emission in 20:80 ratio. Direct light control via microprismatic plastic diffuser (screen-compliant according to EN 12464-1). Indirect light control via clear plastic diffuser. Diffusers made of non-yellowing plastic (PMMA). Flat steel base plate for high stability and space-saving positioning with office furniture. Top and column made of aluminium. Luminaire powder coated. Rocker switch for switching on/off, dimming and saving brightness levels. With 2 m connection cable including safety plug (Schuko). Dimming range 1% to 100%. The luminaire goes into stand-by after the mains supply is restored.

Luminaire top (L 675 x B 350 x H 40 mm).

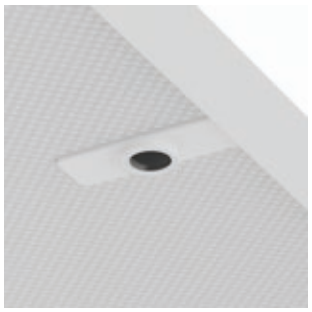
Available colours (X): 2 = white, 45 = white aluminium

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Free-standing luminaires, direct/indirect - can be switched and dimmed together							**Price Category 21**
312562.00X.1.19	L 675, B 350, H 2000	840	13400	90	149	10,3	Sensor

Comparison
LED vs. conventional lamps

LED 90 W ≈
4 x 39 W T16 (164 W Psys)


Base plate (450 x 340 mm) with opening (150 mm).


Versions with intelligent presence control and brightness sensors.


Rocker switch for switching on/off, dimming and saving brightness levels.

Sample product performance comparison with direct and indirect light emission

Length 4.0 m | Width 3.50 m | Height 2.80 m | Maintenance factor 0.80 | Working plane 0.75 m | Mounting Height 2.0 m

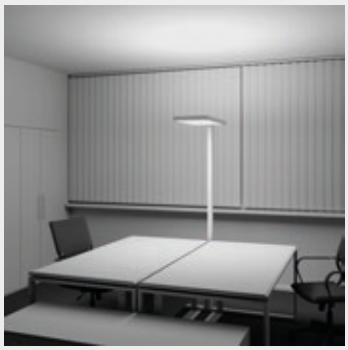
Single workplace

Reference number	**312398.002.1.19**
Wattage	LED 93 W / 9900 lm
Number of luminaires	1
Average illuminance	**Em > 500 lx**



Double workplace

Reference number	**312398.002.1.19**
Wattage	LED 93 W / 9900 lm
Number of luminaires	1
Average illuminance	**Em > 500 lx**





The application image shows:
LESS IS MORE 27 System

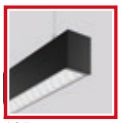
© Felix Meyer


119

ALEA SPOT
118-119


122-123

BEAMLINE SLIM
120-123

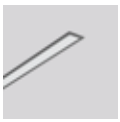

125

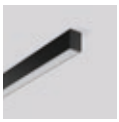
LINEDO single
124-125


127


128

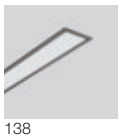
LESS IS MORE 21
126-129


131


132


133-134

LESS IS MORE 27
130-135


138


139


140


142-143

LESS IS MORE 50
136-143


148-149


150-151


152-155

LESS IS MORE BEAMLINE
144-155


160-161


162-163


164-165

LESS IS MORE - System
(Online configurator)
156-165



UGR ≤ 19

DALI

Casambi smart+ free

ALEA SPOT

Recessed ceiling luminaires

ARCHITECTURE

- **Versatile:** 3 lengths, 3 colours.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA).

LIGHTING DESIGN

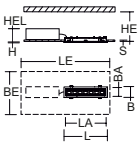
- **Anti-glare:** Suitable for office areas and computer workstations.
- **Standard:** Alea optical system with deep beam light characteristic.

INSTALLATION

- **Straightforward:** Spring fastening system.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com

Recessed ceiling luminaires | ALEA SPOT

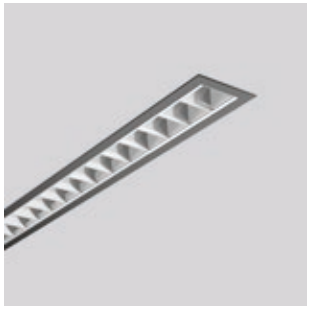


Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: metal, powder-coated. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Luminaire mounting with spring system. Including separate LED converter with connecting cable 550 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							**Price Category 21**
Length L 306 mm, LA 298 x BA 66 mm, HE 90 mm							
641317.00X	L 306, B 75, H 2, HEL 35	830	950	8,2	116	16,7	on/off
641317.00X.76	L 306, B 75, H 2, HEL 35	830	950	8,2	116	16,7	DALI
641317.00X.730	L 306, B 75, H 2, HEL 35	830	950	8,2	116	16,7	smart+free
641317.00X.1	L 306, B 75, H 2, HEL 35	840	1000	8,2	122	16,9	on/off
641317.00X.1.76	L 306, B 75, H 2, HEL 35	840	1000	8,2	122	16,9	DALI
641317.00X.1.730	L 306, B 75, H 2, HEL 35	840	1000	8,2	122	16,9	smart+free
Length L 586 mm, LA 578 x BA 66 mm, HE 90 mm							
641318.00X	L 586, B 75, H 2, HEL 35	830	1900	15	127	16,7	on/off
641318.00X.76	L 586, B 75, H 2, HEL 35	830	1900	15	127	16,7	DALI
641318.00X.730	L 586, B 75, H 2, HEL 35	830	1900	15	127	16,7	smart+free
641318.00X.1	L 586, B 75, H 2, HEL 35	840	1950	15	130	16,8	on/off
641318.00X.1.76	L 586, B 75, H 2, HEL 35	840	1950	15	130	16,8	DALI
641318.00X.1.730	L 586, B 75, H 2, HEL 35	840	1950	15	130	16,8	smart+free
Length L 866 mm, LA 858 x BA 66 mm, HE 90 mm							
641319.00X	L 866, B 75, H 2, HEL 35	830	2650	21	127	16,4	on/off
641319.00X.76	L 866, B 75, H 2, HEL 35	830	2650	21	127	16,4	DALI
641319.00X.730	L 866, B 75, H 2, HEL 35	830	2650	21	127	16,4	smart+free
641319.00X.1	L 866, B 75, H 2, HEL 35	840	2750	21	131	16,6	on/off
641319.00X.1.76	L 866, B 75, H 2, HEL 35	840	2750	21	131	16,6	DALI
641319.00X.1.730	L 866, B 75, H 2, HEL 35	840	2750	21	131	16,6	smart+free

Comparison
LED vs. conventional lamps

LED 8,2 W ≈
1 x 14 W T16 (16 W Psys)

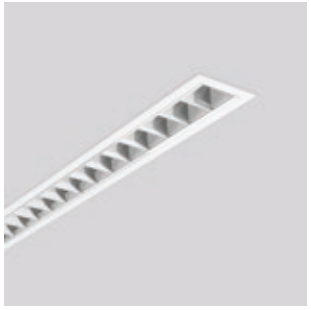
LED 15 W ≈
1 x 21 W T16 (24 W Psys)

LED 21 W ≈
1 x 35 W T16 (38 W Psys)

ALEA OPTICAL SYSTEM

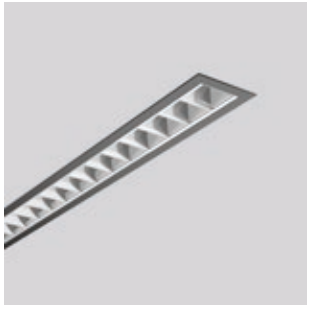
A brilliant example of the power of innovation:

The Alea optical system in the Alea Spot combines square reflector elements with a linear structure. The integrated opal diffuser reduces direct glare, ensures excellent light quality and protects the highly efficient LEDs.



Highly efficient LED.





Diffuser made of **non-yellowing** plastic **(PMMA).**





Reflector structure (ABS, Aluminium-coated, highly polished).





DALI | CRI >90 | Plug & Play

reddot winner 2022

GERMAN DESIGN AWARD WINNER 2022

BEAMLINE SLIM

Recessed ceiling luminaires

ARCHITECTURE

- **Design-oriented:** Light perfectly integrated into the architectural environment.
- **Filigree:** LED luminaire with slim design.
- **Extensive:** Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use.

LIGHTING DESIGN

- **Anti-glare:** MRS technology for pleasant, glare-free lighting (UGR <10).
- **Optimum:** Darklight effect.
- **True colours:** CRI >90 for the most realistic possible perception of colours of surroundings, obects and people.
- **Advantageous:** LED rated life 50000 h (L80/B10).

INSTALLATION

- **Easy installation:** Easy to install thanks to tool-free spring fastening system.
- **Straightforward:** Very easy installation thanks to plug & play connection.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

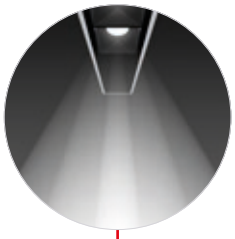


Further luminaires of this series, see:
Indoor lighting | Surface mounted projectors

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com

BEAMLINE SLIM

Everything at a glance



Three different light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use.

Plug & Play

Very easy installation thanks to plug & play connection.

Ceiling installation with spring system.





No glare in the dipped area thanks to the darklight effect.









CRI >90

Colour rendering index CRI >90 for true-to-life colour reproduction.

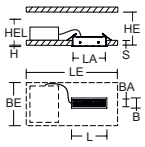
MRS technology

Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10).





Recessed ceiling luminaires | BEAMLINE SLIM



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-50 mm
Impact protection: IK03

Housing: metal, powder-coated. Perfect heat management with an aluminium heat sink. LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10). Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use. Ceiling installation with spring system. Including separate LED converter with connecting cable 450 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Comparison
LED vs. conventional lamps

LED 14 W ≈
< 1 x 20 W HIT (23 W Psys)

LED 25 W ≈
> 1 x 20 W HIT (23 W Psys)

LED 36 W ≈
1 x 35 W HIT (43 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							**Price Category 21**
Narrow beam light distribution 10°							
Length L 155 mm, LA 150 x BA 40 mm, HE 110 mm							
641323.00X	L 155, B 45, H 2, HEL 60	927	900	14	65	3,1	on/off
641323.00X.76	L 155, B 45, H 2, HEL 60	927	900	14	65	3,1	DALI
641323.00X.1	L 155, B 45, H 2, HEL 60	930	980	14	70	3,5	on/off
641323.00X.1.76	L 155, B 45, H 2, HEL 60	930	980	14	70	3,5	DALI
641323.00X.2	L 155, B 45, H 2, HEL 60	940	1050	14	75	3,5	on/off
641323.00X.2.76	L 155, B 45, H 2, HEL 60	940	1050	14	75	3,5	DALI
Length L 295 mm, LA 290 x BA 40 mm, HE 110 mm							
641326.00X	L 295, B 45, H 2, HEL 60	927	1800	25	72	3,1	on/off
641326.00X.76	L 295, B 45, H 2, HEL 60	927	1800	25	72	3,1	DALI
641326.00X.1	L 295, B 45, H 2, HEL 60	930	1950	25	78	3,5	on/off
641326.00X.1.76	L 295, B 45, H 2, HEL 60	930	1950	25	78	3,5	DALI
641326.00X.2	L 295, B 45, H 2, HEL 60	940	2100	25	84	3,5	on/off
641326.00X.2.76	L 295, B 45, H 2, HEL 60	940	2100	25	84	3,5	DALI
Length L 435 mm, LA 430 x BA 40 mm, HE 110 mm							
641329.00X	L 435, B 45, H 2, HEL 60	927	2700	36	75	3,1	on/off
641329.00X.76	L 435, B 45, H 2, HEL 60	927	2700	36	75	3,1	DALI
641329.00X.1	L 435, B 45, H 2, HEL 60	930	2950	36	82	3,5	on/off
641329.00X.1.76	L 435, B 45, H 2, HEL 60	930	2950	36	82	3,5	DALI
641329.00X.2	L 435, B 45, H 2, HEL 60	940	3150	36	88	3,5	on/off
641329.00X.2.76	L 435, B 45, H 2, HEL 60	940	3150	36	88	3,5	DALI
Medium beam light distribution 30°							
Length L 155 mm, LA 150 x BA 40 mm, HE 110 mm							
641324.00X	L 155, B 45, H 2, HEL 60	927	940	14	68	5,7	on/off
641324.00X.76	L 155, B 45, H 2, HEL 60	927	940	14	68	5,7	DALI
641324.00X.1	L 155, B 45, H 2, HEL 60	930	1000	14	72	5,4	on/off
641324.00X.1.76	L 155, B 45, H 2, HEL 60	930	1000	14	72	5,4	DALI
641324.00X.2	L 155, B 45, H 2, HEL 60	940	1100	14	79	5,9	on/off
641324.00X.2.76	L 155, B 45, H 2, HEL 60	940	1100	14	79	5,9	DALI
Length L 295 mm, LA 290 x BA 40 mm, HE 110 mm							
641327.00X	L 295, B 45, H 2, HEL 60	927	1900	25	76	5,7	on/off
641327.00X.76	L 295, B 45, H 2, HEL 60	927	1900	25	76	5,7	DALI
641327.00X.1	L 295, B 45, H 2, HEL 60	930	2050	25	82	5,4	on/off
641327.00X.1.76	L 295, B 45, H 2, HEL 60	930	2050	25	82	5,4	DALI
641327.00X.2	L 295, B 45, H 2, HEL 60	940	2150	25	86	5,9	on/off
641327.00X.2.76	L 295, B 45, H 2, HEL 60	940	2150	25	86	5,9	DALI
Length L 435 mm, LA 430 x BA 40 mm, HE 110 mm							
641330.00X	L 435, B 45, H 2, HEL 60	927	2800	36	78	5,7	on/off
641330.00X.76	L 435, B 45, H 2, HEL 60	927	2800	36	78	5,7	DALI
641330.00X.1	L 435, B 45, H 2, HEL 60	930	3050	36	85	5,4	on/off
641330.00X.1.76	L 435, B 45, H 2, HEL 60	930	3050	36	85	5,4	DALI
641330.00X.2	L 435, B 45, H 2, HEL 60	940	3250	36	91	5,9	on/off
641330.00X.2.76	L 435, B 45, H 2, HEL 60	940	3250	36	91	5,9	DALI
Wide beam light distribution 50°							
Length L 155 mm, LA 150 x BA 40 mm, HE 110 mm							
641325.00X	L 155, B 45, H 2, HEL 60	927	960	14	69	9,5	on/off
641325.00X.76	L 155, B 45, H 2, HEL 60	927	960	14	69	9,5	DALI
641325.00X.1	L 155, B 45, H 2, HEL 60	930	1050	14	75	9,5	on/off
641325.00X.1.76	L 155, B 45, H 2, HEL 60	930	1050	14	75	9,5	DALI
641325.00X.2	L 155, B 45, H 2, HEL 60	940	1100	14	79	9,4	on/off
641325.00X.2.76	L 155, B 45, H 2, HEL 60	940	1100	14	79	9,4	DALI
Length L 295 mm, LA 290 x BA 40 mm, HE 110 mm							
641328.00X	L 295, B 45, H 2, HEL 60	927	1900	25	76	9,5	on/off
641328.00X.76	L 295, B 45, H 2, HEL 60	927	1900	25	76	9,5	DALI
641328.00X.1	L 295, B 45, H 2, HEL 60	930	2050	25	82	9,4	on/off
641328.00X.1.76	L 295, B 45, H 2, HEL 60	930	2050	25	82	9,4	DALI
641328.00X.2	L 295, B 45, H 2, HEL 60	940	2200	25	88	9,4	on/off
641328.00X.2.76	L 295, B 45, H 2, HEL 60	940	2200	25	88	9,4	DALI
Length L 435 mm, LA 430 x BA 40 mm, HE 110 mm							
641331.00X	L 435, B 45, H 2, HEL 60	927	2900	36	81	9,5	on/off
641331.00X.76	L 435, B 45, H 2, HEL 60	927	2900	36	81	9,5	DALI
641331.00X.1	L 435, B 45, H 2, HEL 60	930	3100	36	87	9,5	on/off
641331.00X.1.76	L 435, B 45, H 2, HEL 60	930	3100	36	87	9,5	DALI
641331.00X.2	L 435, B 45, H 2, HEL 60	940	3350	36	94	9,5	on/off
641331.00X.2.76	L 435, B 45, H 2, HEL 60	940	3350	36	94	9,5	DALI

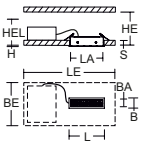






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed ceiling luminaires | BEAMLINE SLIM



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-50 mm
Impact protection: IK03

Housing: metal, powder-coated. Perfect heat management with an aluminium heat sink. LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic white glare-suppressing frame for pleasant glare-free light (UGR <10). Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use. Ceiling installation with spring system. Including separate LED converter with connecting cable 450 mm.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							**Price Category 21**
Narrow beam light distribution 10°							
Length L 155 mm, LA 150 x BA 40 mm, HE 110 mm							
641323.0025	L 155, B 45, H 2, HEL 60	927	900	14	65	3,1	on/off
641323.0025.76	L 155, B 45, H 2, HEL 60	927	900	14	65	3,1	DALI
641323.0025.1	L 155, B 45, H 2, HEL 60	930	980	14	70	3,5	on/off
641323.0025.1.76	L 155, B 45, H 2, HEL 60	930	980	14	70	3,5	DALI
641323.0025.2	L 155, B 45, H 2, HEL 60	940	1050	14	75	3,5	on/off
641323.0025.2.76	L 155, B 45, H 2, HEL 60	940	1050	14	75	3,5	DALI
Length L 295 mm, LA 290 x BA 40 mm, HE 110 mm							
641326.0025	L 295, B 45, H 2, HEL 60	927	1800	25	72	3,1	on/off
641326.0025.76	L 295, B 45, H 2, HEL 60	927	1800	25	72	3,1	DALI
641326.0025.1	L 295, B 45, H 2, HEL 60	930	1950	25	78	3,5	on/off
641326.0025.1.76	L 295, B 45, H 2, HEL 60	930	1950	25	78	3,5	DALI
641326.0025.2	L 295, B 45, H 2, HEL 60	940	2100	25	84	3,5	on/off
641326.0025.2.76	L 295, B 45, H 2, HEL 60	940	2100	25	84	3,5	DALI
Length L 435 mm, LA 430 x BA 40 mm, HE 110 mm							
641329.0025	L 435, B 45, H 2, HEL 60	927	2700	36	75	3,1	on/off
641329.0025.76	L 435, B 45, H 2, HEL 60	927	2700	36	75	3,1	DALI
641329.0025.1	L 435, B 45, H 2, HEL 60	930	2950	36	82	3,5	on/off
641329.0025.1.76	L 435, B 45, H 2, HEL 60	930	2950	36	82	3,5	DALI
641329.0025.2	L 435, B 45, H 2, HEL 60	940	3150	36	88	3,5	on/off
641329.0025.2.76	L 435, B 45, H 2, HEL 60	940	3150	36	88	3,5	DALI
Medium beam light distribution 30°							
Length L 155 mm, LA 150 x BA 40 mm, HE 110 mm							
641324.0025	L 155, B 45, H 2, HEL 60	927	940	14	68	5,7	on/off
641324.0025.76	L 155, B 45, H 2, HEL 60	927	940	14	68	5,7	DALI
641324.0025.1	L 155, B 45, H 2, HEL 60	930	1000	14	72	5,4	on/off
641324.0025.1.76	L 155, B 45, H 2, HEL 60	930	1000	14	72	5,4	DALI
641324.0025.2	L 155, B 45, H 2, HEL 60	940	1100	14	79	5,9	on/off
641324.0025.2.76	L 155, B 45, H 2, HEL 60	940	1100	14	79	5,9	DALI
Length L 295 mm, LA 290 x BA 40 mm, HE 110 mm							
641327.0025	L 295, B 45, H 2, HEL 60	927	1900	25	76	5,7	on/off
641327.0025.76	L 295, B 45, H 2, HEL 60	927	1900	25	76	5,7	DALI
641327.0025.1	L 295, B 45, H 2, HEL 60	930	2050	25	82	5,4	on/off
641327.0025.1.76	L 295, B 45, H 2, HEL 60	930	2050	25	82	5,4	DALI
641327.0025.2	L 295, B 45, H 2, HEL 60	940	2150	25	86	5,9	on/off
641327.0025.2.76	L 295, B 45, H 2, HEL 60	940	2150	25	86	5,9	DALI
Length L 435 mm, LA 430 x BA 40 mm, HE 110 mm							
641330.0025	L 435, B 45, H 2, HEL 60	927	2800	36	78	5,7	on/off
641330.0025.76	L 435, B 45, H 2, HEL 60	927	2800	36	78	5,7	DALI
641330.0025.1	L 435, B 45, H 2, HEL 60	930	3050	36	85	5,4	on/off
641330.0025.1.76	L 435, B 45, H 2, HEL 60	930	3050	36	85	5,4	DALI
641330.0025.2	L 435, B 45, H 2, HEL 60	940	3250	36	91	5,9	on/off
641330.0025.2.76	L 435, B 45, H 2, HEL 60	940	3250	36	91	5,9	DALI
Wide beam light distribution 50°							
Length L 155 mm, LA 150 x BA 40 mm, HE 110 mm							
641325.0025	L 155, B 45, H 2, HEL 60	927	960	14	69	9,5	on/off
641325.0025.76	L 155, B 45, H 2, HEL 60	927	960	14	69	9,5	DALI
641325.0025.1	L 155, B 45, H 2, HEL 60	930	1050	14	75	9,5	on/off
641325.0025.1.76	L 155, B 45, H 2, HEL 60	930	1050	14	75	9,5	DALI
641325.0025.2	L 155, B 45, H 2, HEL 60	940	1100	14	79	9,4	on/off
641325.0025.2.76	L 155, B 45, H 2, HEL 60	940	1100	14	79	9,4	DALI
Length L 295 mm, LA 290 x BA 40 mm, HE 110 mm							
641328.0025	L 295, B 45, H 2, HEL 60	927	1900	25	76	9,5	on/off
641328.0025.76	L 295, B 45, H 2, HEL 60	927	1900	25	76	9,5	DALI
641328.0025.1	L 295, B 45, H 2, HEL 60	930	2050	25	82	9,4	on/off
641328.0025.1.76	L 295, B 45, H 2, HEL 60	930	2050	25	82	9,4	DALI
641328.0025.2	L 295, B 45, H 2, HEL 60	940	2200	25	88	9,4	on/off
641328.0025.2.76	L 295, B 45, H 2, HEL 60	940	2200	25	88	9,4	DALI
Length L 435 mm, LA 430 x BA 40 mm, HE 110 mm							
641331.0025	L 435, B 45, H 2, HEL 60	927	2900	36	81	9,5	on/off
641331.0025.76	L 435, B 45, H 2, HEL 60	927	2900	36	81	9,5	DALI
641331.0025.1	L 435, B 45, H 2, HEL 60	930	3100	36	87	9,5	on/off
641331.0025.1.76	L 435, B 45, H 2, HEL 60	930	3100	36	87	9,5	DALI
641331.0025.2	L 435, B 45, H 2, HEL 60	940	3350	36	94	9,5	on/off
641331.0025.2.76	L 435, B 45, H 2, HEL 60	940	3350	36	94	9,5	DALI

Comparison
LED vs. conventional lamps

LED 14 W ≈
< 1 x 20 W HIT (23 W Psys)

LED 25 W ≈
> 1 x 20 W HIT (23 W Psys)

LED 36 W ≈
1 x 35 W HIT (43 W Psys)







Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



LINEDO

Pendant luminaires

ARCHITECTURE

- **Versatile:** Single luminaires as well as configurations of continuous line luminaire systems.
- **Efficient:** High efficiency LED units with optimum light control thanks to precise lens optics.
- **Certified:** ENEC (European Norms Electrical Certification) certified.

LIGHTING DESIGN

- **Anti-glare:** Suitable for office areas and computer workstations.
- **Optimum:** LED rated life 80,000 h (L_{CLO}) DALI/CLO controlled - High planning reliability thanks to constant light output throughout the entire service life.
- **Advantageous:** Up to 10 years warranty.

INSTALLATION

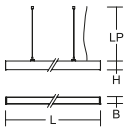
- **Functional:** Suitable for ambient temperatures from -25 up to +50°C (DALI/CLO up to 40°C).
- **Future-proof:** IoT ready – control and monitoring via DALI-2 Standard (on request).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.



Further luminaires of this series, see:
Indoor lighting | Continuous line luminaire system

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com

Pendant luminaires | LINEDO single IP20





Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 100-1500 mm

Housing: extruded aluminium profile, powder-coated (white, black) or anodised. End cap aluminium powder-coated, without visible screws. High-efficiency LED units with optimum light control thanks to clear plastic (PC) lens optics. Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1. 2-point steel cable suspension freely positionable and infinitely height-adjustable. With power cord (2.5 m). Please order canopy separately if required. Other luminaire lengths on request.

Available colours (X): 0 = aluminium, anodised, 2 = white, 3 = black

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting Control
Pendant luminaires							**Price Category 21**
Length L 1700 mm							
312563.00X	L 1700, B 58, H 76	830	4550	31	147	16,7	on/off
312563.00X.76	L 1700, B 58, H 76	830	4550	31	147	16,7	DALI
312563.00X.1	L 1700, B 58, H 76	840	4850	31	156	16,9	on/off
312563.00X.1.76	L 1700, B 58, H 76	840	4850	31	156	16,9	DALI
Length L 2264 mm							
312564.00X	L 2264, B 58, H 76	830	6100	40	153	16,6	on/off
312564.00X.76	L 2264, B 58, H 76	830	6100	40	153	16,6	DALI
312564.00X.1	L 2264, B 58, H 76	840	6450	40	161	16,8	on/off
312564.00X.1.76	L 2264, B 58, H 76	840	6450	40	161	16,8	DALI

Comparison
LED vs. conventional lamps

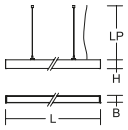
LED 31 W ≈
1 x 54 W T16 (58 W Psys)

LED 40 W ≈
1 x 80 W T16 (86 W Psys)

Canopy			Price Category 21
982575.01X	L 185, B 42, H 30	Aluminium canopy.	



Pendant luminaires | LINEDO single IP54





Type of protection: **IP 54**
Protection class: I
Impact protection: IK03
Suspension Length: 100-1500 mm

Housing: extruded aluminium profile, powder-coated (white, black) or anodised. End caps: plastic. High-efficiency LED units with optimum light control thanks to clear plastic (PC) lens optics. Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1. 2-point steel cable suspension freely positionable and infinitely height-adjustable. With power cord (2.5 m). Please order canopy separately if required. Other luminaire lengths on request.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colours (X): 0 = aluminium, anodised, 2 = white, 3 = black

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting Control
Pendant luminaires							**Price Category 21**
Length L 1710 mm							
312565.00X	L 1710, B 58, H 76	830	4550	31	147	16,7	on/off
312565.00X.76	L 1710, B 58, H 76	830	4550	31	147	16,7	DALI
312565.00X.1	L 1710, B 58, H 76	840	4850	31	156	16,9	on/off
312565.00X.1.76	L 1710, B 58, H 76	840	4850	31	156	16,9	DALI
Length L 2274 mm							
312566.00X	L 2274, B 58, H 76	830	6100	40	153	16,6	on/off
312566.00X.76	L 2274, B 58, H 76	830	6100	40	153	16,6	DALI
312566.00X.1	L 2274, B 58, H 76	840	6450	40	161	16,8	on/off
312566.00X.1.76	L 2274, B 58, H 76	840	6450	40	161	16,8	DALI

Comparison
LED vs. conventional lamps

LED 31 W ≈
1 x 54 W T16 (58 W Psys)

LED 40 W ≈
1 x 80 W T16 (86 W Psys)

Canopy			Price Category 21
982575.01X	L 185, B 42, H 30	Aluminium canopy.	





DALI

LESS IS MORE® 21

Ceiling and wall luminaires, Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Minimalist design.
- **Versatile:** As aesthetically sophisticated general lighting (corridors, hotels, shops, private areas) or accentuated lighting.

LIGHTING DESIGN

- **Homogenous:** Three-sided light emission.
- **Long service life:** LED rated life 60000 h (L80/B10).

INSTALLATION

- **Straightforward:** Easy, no-fuss installation.
- **Flexible:** Surface-mounted and suspended luminaires.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com

Ceiling and wall luminaires | LESS IS MORE 21



Type of protection: IP 20
Protection class: II
Impact protection: IK00

Housing: extruded aluminium profile, anodised or powder-coated. End cap anodised aluminium or powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. External driver with connecting cable.

Available colours (X): 0 = aluminium, anodised, 2 = white



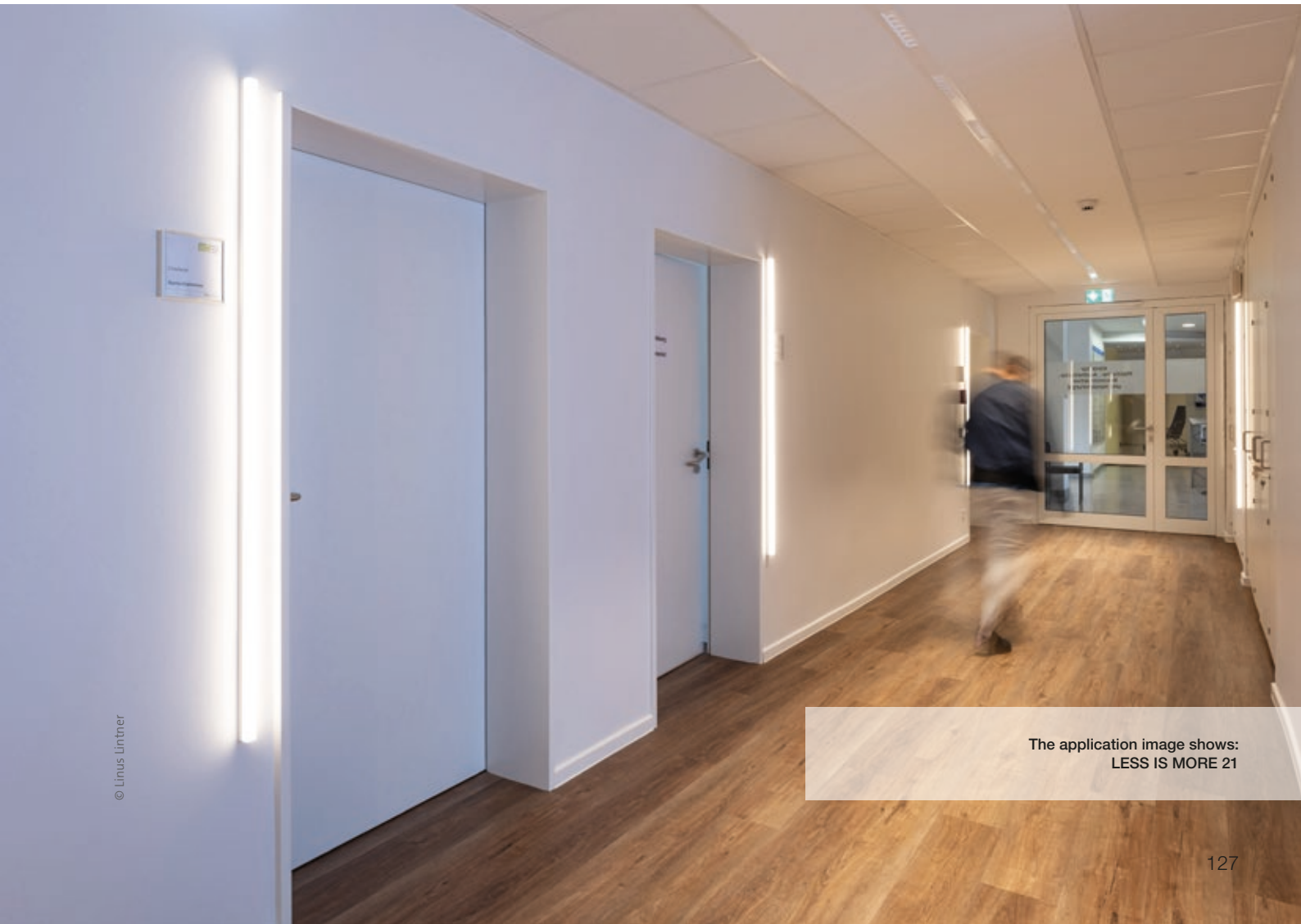
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling and wall luminaires without canopy							**Price Category 21**
Length L 1008 mm							
312237.00X	L 1008, B 21, H 36	830	1700	17	100	25,3	on/off
312237.00X.76	L 1008, B 21, H 36	830	1700	17	100	25,3	DALI
312237.00X.1	L 1008, B 21, H 36	840	1700	17	100	25,4	on/off
312237.00X.1.76	L 1008, B 21, H 36	840	1700	17	100	25,4	DALI
Length L 1208 mm							
312238.00X	L 1208, B 21, H 36	830	2050	20	103	25,4	on/off
312238.00X.76	L 1208, B 21, H 36	830	2050	20	103	25,4	DALI
312238.00X.1	L 1208, B 21, H 36	840	2050	20	103	25,4	on/off
312238.00X.1.76	L 1208, B 21, H 36	840	2050	20	103	25,4	DALI
Length L 1508 mm							
312239.00X	L 1508, B 21, H 36	830	2550	25	102	25,4	on/off
312239.00X.76	L 1508, B 21, H 36	830	2550	25	102	25,4	DALI
312239.00X.1	L 1508, B 21, H 36	840	2550	25	102	25,4	on/off
312239.00X.1.76	L 1508, B 21, H 36	840	2550	25	102	25,4	DALI

Comparison
LED vs. conventional lamps

LED 17 W ≈
1 x 28 W T16 (31 W Psys)

LED 20 W ≈
1 x 35 W T16 (38 W Psys)

LED 25 W ≈
1 x 49 W T16 (53 W Psys)



© Linus Lintner

The application image shows:
LESS IS MORE 21

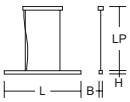


Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 W T16 (38 W Psys)

LED 25 W ≈
1 x 49 W T16 (53 W Psys)

Pendant luminaires | LESS IS MORE 21



Type of protection: IP 20
Protection class: I
Impact protection: IK00
Suspension Length: 100-1500 mm

Housing: extruded aluminium profile, anodised or powder-coated. End cap anodised aluminium or powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request. Converter integrated in the canopy.

Available colours (X): 0 = aluminium, anodised, 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires with canopy							**Price Category 21**
Length L 1208 mm							
312227.00X	L 1208, B 21, H 36	830	2050	20	103	25,4	on/off
312227.00X.76	L 1208, B 21, H 36	830	2050	20	103	25,4	DALI
312227.00X.1	L 1208, B 21, H 36	840	2050	20	103	25,4	on/off
312227.00X.1.76	L 1208, B 21, H 36	840	2050	20	103	25,4	DALI
Length L 1508 mm							
312228.00X	L 1508, B 21, H 36	830	2550	25	102	25,4	on/off
312228.00X.76	L 1508, B 21, H 36	830	2550	25	102	25,4	DALI
312228.00X.1	L 1508, B 21, H 36	840	2550	25	102	25,4	on/off
312228.00X.1.76	L 1508, B 21, H 36	840	2550	25	102	25,4	DALI

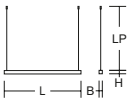


Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 W T16 (38 W Psys)

LED 25 W ≈
1 x 49 W T16 (53 W Psys)

Pendant luminaires | LESS IS MORE 21



Type of protection: IP 20
Protection class: II
Impact protection: IK00
Suspension Length: 100-1500 mm

Housing: extruded aluminium profile, anodised or powder-coated. End cap anodised aluminium or powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request. External driver with connecting cable.

Available colours (X): 0 = aluminium, anodised, 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires without canopy							**Price Category 21**
Length L 1208 mm							
312230.00X	L 1208, B 21, H 36	830	2050	20	103	25,4	on/off
312230.00X.76	L 1208, B 21, H 36	830	2050	20	103	25,4	DALI
312230.00X.1	L 1208, B 21, H 36	840	2050	20	103	25,4	on/off
312230.00X.1.76	L 1208, B 21, H 36	840	2050	20	103	25,4	DALI
Length L 1508 mm							
312231.00X	L 1508, B 21, H 36	830	2550	25	102	25,4	on/off
312231.00X.76	L 1508, B 21, H 36	830	2550	25	102	25,4	DALI
312231.00X.1	L 1508, B 21, H 36	840	2550	25	102	25,4	on/off
312231.00X.1.76	L 1508, B 21, H 36	840	2550	25	102	25,4	DALI





Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



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The application image shows:
LESS IS MORE 21



LESS IS MORE® 27

Recessed ceiling and wall luminaires, Ceiling and wall luminaires, Ceiling luminaires, Pendant luminaires

ARCHITECTURE

- **Filigree:** Minimalist design.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA) opal, microprismatic or aluminium micro-grid.
- **Extensive:** Built-in, surface-mounted and suspended luminaires.
- **Straightforward:** Single luminaires and configurations of continuous linear lighting up to 50 m or complex L, O, U, I shapes offer maximum design freedom.

LIGHTING DESIGN

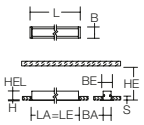
- **Anti-glare:** Models with micro-grid suitable for office areas and computer workstations.
- **Versatile:** As aesthetically sophisticated general lighting (corridors, office and conference rooms, shops) or accentuated lighting.
- **Advantageous:** LED rated life 60000 h (L80/B10).
- **Configurable:** Straightforward system planning with the LOUI Configurator.

INSTALLATION

- **Easy installation:** Easy, no-fuss installation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com

Recessed ceiling and wall luminaires | LESS IS MORE 27





Type of protection: IP 20
Protection class: II
Ceiling thickness S: 10-30 mm
Impact protection: IK00

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal, or high polish aluminium micro grid (suitable for use in environments with computer screens in accordance with EN12464-1). External driver with connecting cable.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Recessed ceiling and wall luminaires							**Price Category 21**
Diffuser: plastic (PMMA), opal							
Length L 1014 mm, LA 1006 x BA 30 mm, HE 45-60 mm							
312176.00X.1	L 1014, B 38, H 2	840	1950	25	78	28,2	on/off
312176.00X.1.76	L 1014, B 38, H 2	840	1950	25	78	28,2	DALI
312176.00X	L 1014, B 38, H 2	830	1950	29	68	28,2	on/off
312176.00X.76	L 1014, B 38, H 2	830	1950	29	68	28,2	DALI
Length L 1514 mm, LA 1506 x BA 30 mm, HE 45-60 mm							
312178.00X.1	L 1514, B 38, H 2	840	2900	39	75	28,2	on/off
312178.00X.1.76	L 1514, B 38, H 2	840	2900	39	75	28,2	DALI
312178.00X	L 1514, B 38, H 2	830	2900	43	68	28,2	on/off
312178.00X.76	L 1514, B 38, H 2	830	2900	43	68	28,2	DALI
Aluminium micro-grid							
Length L 1014 mm, LA 1006 x BA 30 mm, HE 45-60 mm							
312177.00X.1	L 1014, B 38, H 2	840	2350	25	94	19	on/off
312177.00X.1.76	L 1014, B 38, H 2	840	2350	25	94	19	DALI
312177.00X	L 1014, B 38, H 2	830	2350	29	82	19	on/off
312177.00X.76	L 1014, B 38, H 2	830	2350	29	82	19	DALI
Length L 1514 mm, LA 1506 x BA 30 mm, HE 45-60 mm							
312179.00X.1	L 1514, B 38, H 2	840	3500	39	90	19	on/off
312179.00X.1.76	L 1514, B 38, H 2	840	3500	39	90	19	DALI
312179.00X	L 1514, B 38, H 2	830	3500	43	82	19	on/off
312179.00X.76	L 1514, B 38, H 2	830	3500	43	82	19	DALI

Diffuser: plastic (PMMA): The specified luminous flux refers to the white luminaire. With black, silver and white aluminium, the luminous flux is reduced by approx. 20%. You can find detailed information at www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 25 / 29 W ≈
1 x 35 W T16 (38 W Psys)

LED 39 / 43 W ≈
1 x 49 W T16 (53 W Psys)


Diffuser opal

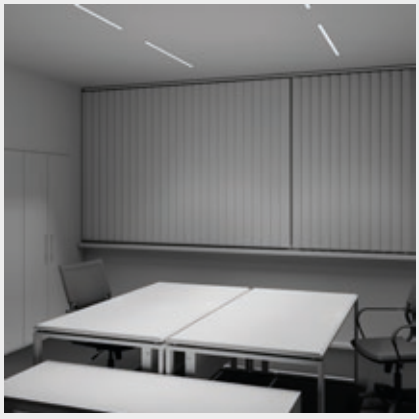

Aluminium micro-grid

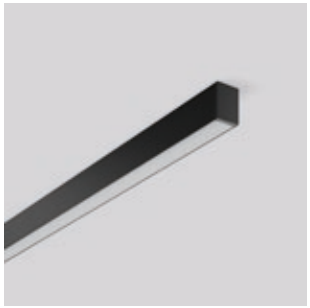
Specimen product performance comparison

Length 4,0 m | Width 3,50 m | Height 2,80 m | Maintenance factor 0,80 | Working plane 0,75 m

Office

Reference number	**312177.002.1.76**
Wattage	LED 25 W / 2350 lm
Number of luminaires	4
Average illuminance	**Em > 533 lx**





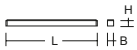
Comparison
LED vs. conventional lamps

LED 25 / 26 / 29 W ≈
1 x 28 W T16 (31 W Psys)

LED 31 / 34 / 35 W ≈
1 x 35 W T16 (38 W Psys)

LED 39 / 43 W ≈
1 x 49 W T16 (53 W Psys)

Ceiling and wall luminaires, Ceiling luminaires | LESS IS MORE 27



Type of protection: IP 20
Protection class: II
Impact protection: IK00

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic. External driver with connecting cable.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							**Price Category 21**
Diffuser plastic (PMMA), opal							
Length L 1012 mm							
312196.00X.1	L 1012, B 28, H 38	840	1950	25	78	28,2	on/off
312196.00X.1.76	L 1012, B 28, H 38	840	1950	25	78	28,2	DALI
312196.00X	L 1012, B 28, H 38	830	1950	29	68	28,2	on/off
312196.00X.76	L 1012, B 28, H 38	830	1950	29	68	28,2	DALI
Length L 1212 mm							
312198.00X.1	L 1212, B 28, H 38	840	2350	31	76	28,2	on/off
312198.00X.1.76	L 1212, B 28, H 38	840	2350	31	76	28,3	DALI
312198.00X	L 1212, B 28, H 38	830	2350	35	68	28,2	on/off
312198.00X.76	L 1212, B 28, H 38	830	2350	35	68	28,3	DALI
Length L 1512 mm							
312200.00X.1	L 1512, B 28, H 38	840	2900	39	75	28,2	on/off
312200.00X.1.76	L 1512, B 28, H 38	840	2900	39	75	28,2	DALI
312200.00X	L 1512, B 28, H 38	830	2900	43	68	28,2	on/off
312200.00X.76	L 1512, B 28, H 38	830	2900	43	68	28,2	DALI
Ceiling luminaires							**Price Category 21**
Diffuser plastic (PMMA) microprismatic							
Length L 1012 mm							
312197.00X.1	L 1012, B 28, H 38	840	2150	26	83	24,9	on/off
312197.00X.1.76	L 1012, B 28, H 38	840	2150	26	83	24,9	DALI
312197.00X	L 1012, B 28, H 38	830	2150	29	75	24,8	on/off
312197.00X.76	L 1012, B 28, H 38	830	2150	29	75	24,8	DALI
Length L 1212 mm							
312199.00X.1	L 1212, B 28, H 38	840	2600	31	84	24,9	on/off
312199.00X.1.76	L 1212, B 28, H 38	840	2600	31	84	24,9	DALI
312199.00X	L 1212, B 28, H 38	830	2600	34	77	24,9	on/off
312199.00X.76	L 1212, B 28, H 38	830	2600	34	77	24,9	DALI
Length L 1512 mm							
312201.00X.1	L 1512, B 28, H 38	840	3250	39	84	24,9	on/off
312201.00X.1.76	L 1512, B 28, H 38	840	3250	39	84	24,9	DALI
312201.00X	L 1512, B 28, H 38	830	3250	43	76	24,9	on/off
312201.00X.76	L 1512, B 28, H 38	830	3250	43	76	24,9	DALI

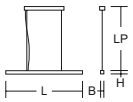
The specified luminous flux refers to the white luminaire. With black and white aluminium, the luminous flux is reduced by approx. 20%. You can find detailed information at www.rzb-lighting.com.


Diffuser opal


Diffuser microprismatic

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Pendant luminaires | LESS IS MORE 27 - with canopy





Type of protection: IP 20
Protection class: I
Impact protection: IK00
Suspension Length: 100-1500 mm

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal, microprismatic or high polish aluminium micro-grid (suitable for use in environments with computer screens in accordance with EN 12464-1). 2-point steel cable suspension, steplessly adjustable. Special lengths available on request. Converter integrated in the canopy.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires with canopy - Direct 60%, indirect 40% light emission							**Price Category 21**
Diffuser: plastic (PMMA), opal							
Length L 1012 mm							
312208.00X.1	L 1012, B 28, H 38	840	2700	34	80	25,2	on/off
312208.00X.1.76	L 1012, B 28, H 38	840	2700	34	80	25,2	DALI
312208.00X	L 1012, B 28, H 38	830	2700	37	73	25,2	on/off
312208.00X.76	L 1012, B 28, H 38	830	2700	37	73	25,2	DALI
Length L 1512 mm							
312210.00X.1	L 1512, B 28, H 38	840	4000	51	79	25,2	on/off
312210.00X.1.76	L 1512, B 28, H 38	840	4000	51	79	25,2	DALI
312210.00X	L 1512, B 28, H 38	830	4000	56	72	25,2	on/off
312210.00X.76	L 1512, B 28, H 38	830	4000	56	72	25,2	DALI
Diffuser: plastic (PMMA) microprismatic							
Length L 1012 mm							
312209.00X.1	L 1012, B 28, H 38	840	3000	34	89	22,4	on/off
312209.00X.1.76	L 1012, B 28, H 38	840	3000	34	89	22,4	DALI
312209.00X	L 1012, B 28, H 38	830	3000	37	82	22,4	on/off
312209.00X.76	L 1012, B 28, H 38	830	3000	37	82	22,4	DALI
Length L 1512 mm							
312211.00X.1	L 1512, B 28, H 38	840	4500	51	89	22,4	on/off
312211.00X.1.76	L 1512, B 28, H 38	840	4500	51	89	22,4	DALI
312211.00X	L 1512, B 28, H 38	830	4500	56	81	22,4	on/off
312211.00X.76	L 1512, B 28, H 38	830	4500	56	81	22,4	DALI
Aluminium micro-grid							
Length L 1512 mm							
312212.00X *	L 1512, B 28, H 38	830	2800	33	85	12,5	on/off
312212.00X.76 *	L 1512, B 28, H 38	830	2800	33	85	12,5	DALI
312212.00X.1 *	L 1512, B 28, H 38	840	2800	33	85	12,5	on/off
312212.00X.1.76 *	L 1512, B 28, H 38	840	2800	33	85	12,5	DALI
312213.00X	L 1512, B 28, H 38	830	3700	39	95	15,1	on/off
312213.00X.76	L 1512, B 28, H 38	830	3700	39	95	15,1	DALI
312213.00X.1	L 1512, B 28, H 38	840	3700	39	95	14,8	on/off
312213.00X.1.76	L 1512, B 28, H 38	840	3700	39	95	14,8	DALI

* Light emission directly 50% - indirectly 50%
Diffuser: plastic (PMMA): The specified luminous flux refers to the white luminaire. With black and white aluminium, the luminous flux is reduced by approx. 20%.
You can find detailed information at www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 33 W ≈
1 x 35 W T16 (38 W Psys)

LED 34 / 37 / 39 W ≈
1 x 49 W T16 (53 W Psys)

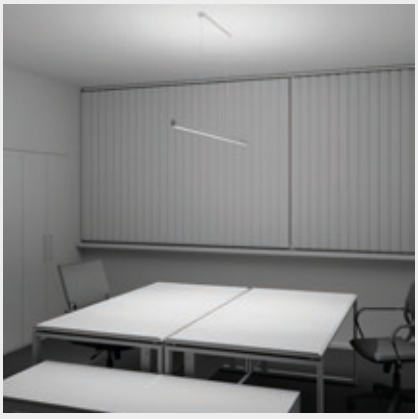
LED 51 / 56 W ≈
1 x 80 W T16 (86 W Psys)

Specimen product performance comparison

Length 4,0 m | Width 3,50 m | Height 2,80 m | Maintenance factor 0,80 |
Working plane 0,75 m | Mounting Height 1,8 m

Double workplace

Reference number	**312213.002.1.76**
Wattage	LED 39 W / 3700 lm
Number of luminaires	1
Average illuminance	**Em > 596 lx**





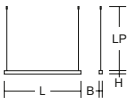
Comparison
LED vs. conventional lamps

LED 33 W ≈
1 x 35 W T16 (38 W Psys)

LED 34 / 37 / 39 W ≈
1 x 49 W T16 (53 W Psys)

LED 51 / 56 W ≈
1 x 80 W T16 (86 W Psys)

Pendant luminaires | LESS IS MORE 27 - without canopy



Type of protection: IP 20
Protection class: II
Impact protection: IK00
Suspension Length: 100-1500 mm

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal, microprismatic or high polish aluminium micro-grid (suitable for use in environments with computer screens in accordance with EN 12464-1).
2-point steel cable suspension, steplessly adjustable. Special lengths available on request.
External driver with connecting cable.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires without canopy - Direct 60%, indirect 40% light emission							**Price Category 21**
Diffuser: plastic (PMMA), opal							
Length L 1012 mm							
312220.00X.1.76	L 1012, B 28, H 38	840	2700	34	80	25,2	DALI
312220.00X.1	L 1012, B 28, H 38	840	2700	34	80	25,2	on/off
312220.00X.76	L 1012, B 28, H 38	830	2700	37	73	25,2	DALI
312220.00X	L 1012, B 28, H 38	830	2700	37	73	25,2	on/off
Length L 1512 mm							
312222.00X.1.76	L 1512, B 28, H 38	840	4000	51	79	25,2	DALI
312222.00X.1	L 1512, B 28, H 38	840	4000	51	79	25,2	on/off
312222.00X.76	L 1512, B 28, H 38	830	4000	56	72	25,2	DALI
312222.00X	L 1512, B 28, H 38	830	4000	56	72	25,2	on/off
Diffuser: plastic (PMMA) microprismatic							
Length L 1012 mm							
312221.00X.1	L 1012, B 28, H 38	840	3000	34	89	22,4	on/off
312221.00X.1.76	L 1012, B 28, H 38	840	3000	34	89	22,4	DALI
312221.00X.76	L 1012, B 28, H 38	830	3000	37	82	22,3	DALI
312221.00X	L 1012, B 28, H 38	830	3000	37	82	22,4	on/off
Length L 1512 mm							
312223.00X.1	L 1512, B 28, H 38	840	4500	51	89	22,4	on/off
312223.00X.1.76	L 1512, B 28, H 38	840	4500	51	89	22,4	DALI
312223.00X.76	L 1512, B 28, H 38	830	4500	56	81	22,3	DALI
312223.00X	L 1512, B 28, H 38	830	4500	56	81	22,4	on/off
Aluminium micro-grid							
Length L 1512 mm							
312224.00X *	L 1512, B 28, H 38	830	2800	33	85	12,5	on/off
312224.00X.76 *	L 1512, B 28, H 38	830	2800	33	85	12,5	DALI
312224.00X.1 *	L 1512, B 28, H 38	840	2800	33	85	12,5	on/off
312224.00X.1.76 *	L 1512, B 28, H 38	840	2800	33	85	12,5	DALI
312225.00X	L 1512, B 28, H 38	830	3700	39	95	15,1	on/off
312225.00X.76	L 1512, B 28, H 38	830	3700	39	95	15,1	DALI
312225.00X.1	L 1512, B 28, H 38	840	3700	39	95	14,8	on/off
312225.00X.1.76	L 1512, B 28, H 38	840	3700	39	95	14,8	DALI

* Light emission directly 50% - indirectly 50%
Diffuser: plastic (PMMA): The specified luminous flux refers to the white luminaire. With black and white aluminium, the luminous flux is reduced by approx. 20%.
You can find detailed information at www.rzb-lighting.com.


Diffuser opal


Diffuser microprismatic


Aluminium micro-grid

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



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The application image shows:
LESS IS MORE 27



LESS IS MORE® 50

Recessed ceiling and wall luminaires, Ceiling and wall luminaires, Wall luminaires, Pendant luminaires

ARCHITECTURE

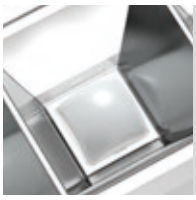
- **Extensive:** Recessed, surface-mounted, pendant and wall luminaires.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA) opal or Alea Optical system.
- **Straightforward:** Single luminaires and configurations of continuous linear lighting up to 50 m or complex L, O, U, I shapes offer maximum design freedom.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations with Alea optical system.
- **Clever:** Separately controllable direct and indirect light part or DALI pendant luminaires.
- **Advantageous:** LED rated life 50000 h (L80/B10).
- **Optimum:** With sensors or as a safety luminaire on request.
- **Configurable:** Straightforward system planning with the LOUI Configurator.

INSTALLATION

- **Easy installation:** Easy, no-fuss installation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.



ALEA OPTICAL SYSTEM

A brilliant example of the power of innovation: The Alea optical system combines square reflector elements with a linear structure. The integrated opal diffuser reduces direct glare, ensures excellent light quality and protects the highly efficient LEDs.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com

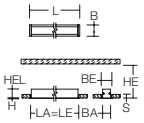


The application image shows:
LESS IS MORE 50

© Linus Lintner



Recessed ceiling and wall luminaires | LESS IS MORE 50



Type of protection: IP 20
Protection class: I
Ceiling thickness S: 10-30 mm
Impact protection: IK03

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or **Alea Optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (suitable for use in environments with computer screens in accordance with EN 12464-1). Ceiling mounting with pre-assembled SBS clamping bracket system. LED unit with integrated converter interchangeable and removable. With sensors or as a safety luminaire on request.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium

Comparison
LED vs. conventional lamps

LED 22 W ≈
1 x 35 W T16 (38 W Psys)

LED 28 W ≈
1 x 49 W T16 (53 W Psys)

LED 34 / 35 W ≈
1 x 80 W T16 (86 W Psys)

LED 40 W ≈
2 x 35 W T16 (75 W Psys)

LED 41 / 47 W ≈
2 x 49 W T16 (106 W Psys)

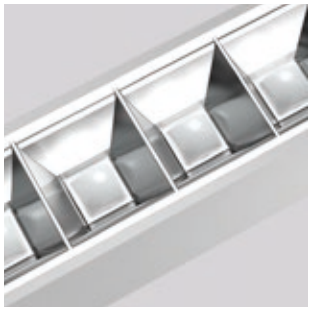
LED 48 W ≈
2 x 54 W T16 (115 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Recessed ceiling and wall luminaires							**Price Category 21**
Diffuser: plastic (PMMA), opal							
Length L 861 mm, LA 848 x BA 60 mm, HE 100 mm, HEL 75 mm							
312323.00X	L 861, B 71, H 2	830	2300	22	105	26,2	on/off
312323.00X.76	L 861, B 71, H 2	830	2300	22	105	26,2	DALI
312323.00X.1	L 861, B 71, H 2	840	2400	22	110	26,4	on/off
312323.00X.1.76	L 861, B 71, H 2	840	2400	22	110	26,4	DALI
Length L 1141 mm, LA 1128 x BA 60 mm, HE 100 mm, HEL 75 mm							
312324.00X	L 1141, B 71, H 2	830	3100	28	111	26,2	on/off
312324.00X.76	L 1141, B 71, H 2	830	3100	28	111	26,2	DALI
312324.00X.1	L 1141, B 71, H 2	840	3250	28	117	26,4	on/off
312324.00X.1.76	L 1141, B 71, H 2	840	3250	28	117	26,4	DALI
Length L 1421 mm, LA 1408 x BA 60 mm, HE 100 mm, HEL 75 mm							
312325.00X	L 1421, B 71, H 2	830	3850	34	114	26,2	on/off
312325.00X.76	L 1421, B 71, H 2	830	3850	34	114	26,2	DALI
312325.00X.1	L 1421, B 71, H 2	840	4050	34	120	26,4	on/off
312325.00X.1.76	L 1421, B 71, H 2	840	4050	34	120	26,4	DALI
Length L 1701 mm, LA 1688 x BA 60 mm, HE 100 mm, HEL 75 mm							
312326.00X	L 1701, B 71, H 2	830	4650	40	117	26,2	on/off
312326.00X.76	L 1701, B 71, H 2	830	4650	40	117	26,2	DALI
312326.00X.1	L 1701, B 71, H 2	840	4850	40	122	26,3	on/off
312326.00X.1.76	L 1701, B 71, H 2	840	4850	40	122	26,3	DALI
Length L 1981 mm, LA 1968 x BA 60 mm, HE 100 mm, HEL 75 mm							
312327.00X	L 1981, B 71, H 2	830	5400	47	115	26,2	on/off
312327.00X.76	L 1981, B 71, H 2	830	5400	47	115	26,2	DALI
312327.00X.1	L 1981, B 71, H 2	840	5650	47	121	26,3	on/off
312327.00X.1.76	L 1981, B 71, H 2	840	5650	47	121	26,3	DALI
Alea optical system							
Length L 861 mm, LA 848 x BA 60 mm, HE 100 mm, HEL 75 mm							
312347.00X	L 861, B 71, H 2	830	2500	22	114	14,7	on/off
312347.00X.76	L 861, B 71, H 2	830	2500	22	114	14,7	DALI
312347.00X.1	L 861, B 71, H 2	840	2650	22	121	14,9	on/off
312347.00X.1.76	L 861, B 71, H 2	840	2650	22	121	14,9	DALI
Length L 1141 mm, LA 1128 x BA 60 mm, HE 100 mm, HEL 75 mm							
312348.00X	L 1141, B 71, H 2	830	3350	28	120	14,7	on/off
312348.00X.76	L 1141, B 71, H 2	830	3350	28	120	14,7	DALI
312348.00X.1	L 1141, B 71, H 2	840	3550	28	127	14,9	on/off
312348.00X.1.76	L 1141, B 71, H 2	840	3550	28	127	14,9	DALI
Length L 1421 mm, LA 1408 x BA 60 mm, HE 100 mm, HEL 75 mm							
312349.00X	L 1421, B 71, H 2	830	4200	35	120	14,7	on/off
312349.00X.76	L 1421, B 71, H 2	830	4200	35	120	14,7	DALI
312349.00X.1	L 1421, B 71, H 2	840	4450	35	128	14,9	on/off
312349.00X.1.76	L 1421, B 71, H 2	840	4450	35	128	14,9	DALI
Length L 1701 mm, LA 1688 x BA 60 mm, HE 100 mm, HEL 75 mm							
312350.00X	L 1701, B 71, H 2	830	5050	41	124	14,7	on/off
312350.00X.76	L 1701, B 71, H 2	830	5050	41	124	14,7	DALI
312350.00X.1	L 1701, B 71, H 2	840	5300	41	130	14,9	on/off
312350.00X.1.76	L 1701, B 71, H 2	840	5300	41	130	14,9	DALI
Length L 1981 mm, LA 1968 x BA 60 mm, HE 100 mm, HEL 75 mm							
312351.00X	L 1981, B 71, H 2	830	5900	48	123	14,7	on/off
312351.00X.76	L 1981, B 71, H 2	830	5900	48	123	14,7	DALI
312351.00X.1	L 1981, B 71, H 2	840	6200	48	130	14,9	on/off
312351.00X.1.76	L 1981, B 71, H 2	840	6200	48	130	14,9	DALI

Diffuser: plastic (PMMA): The specified luminous flux refers to the white and white aluminium luminaire. With black, the luminous flux is reduced by approx. 10%. You can find detailed information at www.rzb-lighting.com.



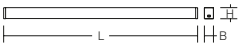
Diffuser opal



Alea optical system

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | LESS IS MORE 50



Type of protection: IP 20
Protection class: I
Impact protection: IK03

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or **Alea Optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (suitable for use in environments with computer screens in accordance with EN 12464-1). LED unit with integrated converter interchangeable and removable. With sensors or as a safety luminaire on request. Suitable for through-wiring.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires without canopy							**Price Category 21**
Diffuser: plastic (PMMA), opal							
Length L 847 mm							
312305.00X	L 847, B 57, H 75	830	2300	22	105	26,2	on/off
312305.00X.76	L 847, B 57, H 75	830	2300	22	105	26,2	DALI
312305.00X.1	L 847, B 57, H 75	840	2400	22	110	26,4	on/off
312305.00X.1.76	L 847, B 57, H 75	840	2400	22	110	26,4	DALI
Length L 1127 mm							
312306.00X	L 1127, B 57, H 75	830	3100	28	111	26,2	on/off
312306.00X.76	L 1127, B 57, H 75	830	3100	28	111	26,2	DALI
312306.00X.1	L 1127, B 57, H 75	840	3250	26	125	26,4	on/off
312306.00X.1.76	L 1127, B 57, H 75	840	3250	26	125	26,4	DALI
Length L 1407 mm							
312307.00X	L 1407, B 57, H 75	830	3850	34	114	26,2	on/off
312307.00X.76	L 1407, B 57, H 75	830	3850	34	114	26,2	DALI
312307.00X.1	L 1407, B 57, H 75	840	4050	34	120	26,4	on/off
312307.00X.1.76	L 1407, B 57, H 75	840	4050	34	120	26,4	DALI
Length L 1687 mm							
312308.00X	L 1687, B 57, H 75	830	4650	40	117	26,2	on/off
312308.00X.76	L 1687, B 57, H 75	830	4650	40	117	26,2	DALI
312308.00X.1	L 1687, B 57, H 75	840	4850	40	122	26,3	on/off
312308.00X.1.76	L 1687, B 57, H 75	840	4850	40	122	26,3	DALI
Length L 1967 mm							
312309.00X	L 1967, B 57, H 75	830	5400	47	115	26,2	on/off
312309.00X.76	L 1967, B 57, H 75	830	5400	47	115	26,2	DALI
312309.00X.1	L 1967, B 57, H 75	840	5650	47	121	26,3	on/off
312309.00X.1.76	L 1967, B 57, H 75	840	5650	47	121	26,3	DALI
Alea optical system							
Length L 847 mm							
312329.00X	L 847, B 57, H 75	830	2500	22	114	14,7	on/off
312329.00X.76	L 847, B 57, H 75	830	2500	22	114	14,7	DALI
312329.00X.1	L 847, B 57, H 75	840	2650	22	121	14,9	on/off
312329.00X.1.76	L 847, B 57, H 75	840	2650	22	121	14,9	DALI
Length L 1127 mm							
312330.00X	L 1127, B 57, H 75	830	3350	28	120	14,7	on/off
312330.00X.76	L 1127, B 57, H 75	830	3350	28	120	14,7	DALI
312330.00X.1	L 1127, B 57, H 75	840	3550	28	127	14,9	on/off
312330.00X.1.76	L 1127, B 57, H 75	840	3550	28	127	14,9	DALI
Length L 1407 mm							
312331.00X	L 1407, B 57, H 75	830	4200	35	120	14,7	on/off
312331.00X.76	L 1407, B 57, H 75	830	4200	35	120	14,7	DALI
312331.00X.1	L 1407, B 57, H 75	840	4450	35	128	14,9	on/off
312331.00X.1.76	L 1407, B 57, H 75	840	4450	35	128	14,9	DALI
Length L 1687 mm							
312332.00X	L 1687, B 57, H 75	830	5050	41	124	14,7	on/off
312332.00X.76	L 1687, B 57, H 75	830	5050	41	124	14,7	DALI
312332.00X.1	L 1687, B 57, H 75	840	5300	41	130	14,9	on/off
312332.00X.1.76	L 1687, B 57, H 75	840	5300	41	130	14,9	DALI
Length L 1967 mm							
312333.00X	L 1967, B 57, H 75	830	5900	48	123	14,7	on/off
312333.00X.76	L 1967, B 57, H 75	830	5900	48	123	14,7	DALI
312333.00X.1	L 1967, B 57, H 75	840	6200	48	130	14,9	on/off
312333.00X.1.76	L 1967, B 57, H 75	840	6200	48	130	14,9	DALI

Diffuser: plastic (PMMA): The specified luminous flux refers to the white and white aluminium luminaire. With black, the luminous flux is reduced by approx. 10%. You can find detailed information at www.rzb-lighting.com.



Comparison
LED vs. conventional lamps

LED 22 W ≈
1 x 35 W T16 (38 W Psys)

LED 28 W ≈
1 x 49 W T16 (53 W Psys)

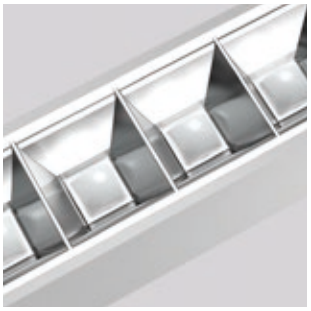
LED 34 / 35 W ≈
1 x 80 W T16 (86 W Psys)

LED 40 W ≈
2 x 35 W T16 (75 W Psys)

LED 41 / 47 W ≈
2 x 49 W T16 (106 W Psys)

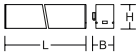
LED 48 W ≈
2 x 54 W T16 (115 W Psys)


Diffuser opal


Alea optical system



Wall luminaires | LESS IS MORE 50



Type of protection: IP 20
Protection class: I
Impact protection: IK03

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. Direct or direct/indirect light emission. LED unit with integrated converter interchangeable and removable. Suitable for through-wiring. With sensors or as a safety luminaire on request.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium

Comparison LED vs. conventional lamps

LED 9 W ≈
1 x 24 W T16 (26 W Psys)

LED 12 / 13 W ≈
1 x 28 W T16 (31 W Psys)

LED 15 / 16 W ≈
1 x 35 W T16 (38 W Psys)

LED 18 W ≈
1 x 39 W T16 (41 W Psys)

LED 20 W ≈
1 x 49 W T16 (53 W Psys)

LED 25 W ≈
1 x 54 W T16 (58 W Psys)

LED 30 W ≈
1 x 80 W T16 (86 W Psys)

LED 34 W ≈
2 x 49 W T16 (106 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Wall luminaires - Direct light emission							**Price Category 21**
Diffuser: plastic (PMMA), opal							
Length L 847 mm							
312605.00X	L 847, B 67, H 75	830	1100	9	123	23,7	on/off
312605.00X.76	L 847, B 67, H 75	830	1100	9	123	23,7	DALI
312605.00X.1	L 847, B 67, H 75	840	1150	9	128	23,8	on/off
312605.00X.1.76	L 847, B 67, H 75	840	1150	9	128	23,8	DALI
Length L 1127 mm							
312607.00X	L 1127, B 67, H 75	830	1450	12	121	23,6	on/off
312607.00X.76	L 1127, B 67, H 75	830	1450	13	112	23,6	DALI
312607.00X.1	L 1127, B 67, H 75	840	1500	12	125	23,8	on/off
312607.00X.1.76	L 1127, B 67, H 75	840	1500	13	116	23,8	DALI
Length L 1407 mm							
312609.00X	L 1407, B 67, H 75	830	1850	15	124	23,7	on/off
312609.00X.76	L 1407, B 67, H 75	830	1850	16	116	23,7	DALI
312609.00X.1	L 1407, B 67, H 75	840	1950	15	130	23,9	on/off
312609.00X.1.76	L 1407, B 67, H 75	840	1950	16	122	23,9	DALI
Length L 1687 mm							
312611.00X	L 1687, B 67, H 75	830	2200	18	123	23,7	on/off
312611.00X.76	L 1687, B 67, H 75	830	2200	18	123	23,7	DALI
312611.00X.1	L 1687, B 67, H 75	840	2300	18	128	23,8	on/off
312611.00X.1.76	L 1687, B 67, H 75	840	2300	18	128	23,8	DALI
Length L 1967 mm							
312613.00X	L 1967, B 67, H 75	830	2500	20	125	23,6	on/off
312613.00X.76	L 1967, B 67, H 75	830	2500	20	125	23,6	DALI
312613.00X.1	L 1967, B 67, H 75	840	2650	20	133	23,8	on/off
312613.00X.1.76	L 1967, B 67, H 75	840	2650	20	133	23,8	DALI
Wall luminaires - Direct 50%, indirect 50% light emission							**Price Category 21**
Diffuser: plastic (PMMA), opal							
Length L 847 mm							
312606.00X	L 847, B 67, H 75	830	1950	15	130	19,3	on/off
312606.00X.76	L 847, B 67, H 75	830	1950	16	122	19,3	DALI
312606.00X.1	L 847, B 67, H 75	840	2050	15	137	19,5	on/off
312606.00X.1.76	L 847, B 67, H 75	840	2050	16	129	19,5	DALI
Length L 1127 mm							
312608.00X	L 1127, B 67, H 75	830	2600	20	130	19,3	on/off
312608.00X.76	L 1127, B 67, H 75	830	2600	20	130	19,3	DALI
312608.00X.1	L 1127, B 67, H 75	840	2750	20	138	19,5	on/off
312608.00X.1.76	L 1127, B 67, H 75	840	2750	20	138	19,5	DALI
Length L 1407 mm							
312610.00X	L 1407, B 67, H 75	830	3250	25	130	19,3	on/off
312610.00X.76	L 1407, B 67, H 75	830	3250	25	130	19,3	DALI
312610.00X.1	L 1407, B 67, H 75	840	3400	25	136	19,5	on/off
312610.00X.1.76	L 1407, B 67, H 75	840	3400	25	136	19,5	DALI
Length L 1687 mm							
312612.00X	L 1687, B 67, H 75	830	3900	30	130	19,3	on/off
312612.00X.76	L 1687, B 67, H 75	830	3900	30	130	19,3	DALI
312612.00X.1	L 1687, B 67, H 75	840	4100	30	137	19,5	on/off
312612.00X.1.76	L 1687, B 67, H 75	840	4100	30	137	19,5	DALI
Length L 1967 mm							
312614.00X	L 1967, B 67, H 75	830	4550	34	134	19,3	on/off
312614.00X.76	L 1967, B 67, H 75	830	4550	34	134	19,3	DALI
312614.00X.1	L 1967, B 67, H 75	840	4800	34	142	19,5	on/off
312614.00X.1.76	L 1967, B 67, H 75	840	4800	34	142	19,5	DALI

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

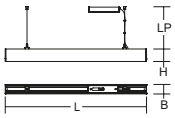


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The application image shows:
LESS IS MORE 50



Pendant luminaires | LESS IS MORE 50



Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 2000 mm

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or **Alea Optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (suitable for use in environments with computer screens in accordance with EN 12464-1). LED unit with integrated converter interchangeable and removable. 2-point steel cable suspension freely positionable and infinitely height-adjustable. Special lengths available on request. Canopy de aluminium, powder-coated. Suitable for through-wiring. With sensors or as a safety luminaire on request.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium

Comparison LED vs. conventional lamps

LED 22 W ≈
1 x 35 W T16 (38 W Psys)

LED 28 W ≈
1 x 49 W T16 (53 W Psys)

LED 34 / 35 W ≈
1 x 80 W T16 (86 W Psys)

LED 40 W ≈
2 x 35 W T16 (75 W Psys)

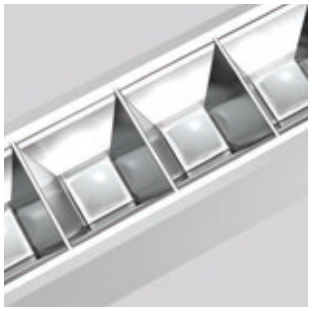
LED 41 / 47 W ≈
2 x 49 W T16 (106 W Psys)

LED 48 W ≈
2 x 54 W T16 (115 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires with canopy - Direct light emission							**Price Category 21**
Diffuser: plastic (PMMA), opal							
Length L 847 mm							
312311.00X	L 847, B 57, H 75	830	2300	22	105	26,2	on/off
312311.00X.76	L 847, B 57, H 75	830	2300	22	105	26,2	DALI
312311.00X.1	L 847, B 57, H 75	840	2400	22	110	26,4	on/off
312311.00X.1.76	L 847, B 57, H 75	840	2400	22	110	26,4	DALI
Length L 1127 mm							
312312.00X	L 1127, B 57, H 75	830	3100	28	111	26,2	on/off
312312.00X.76	L 1127, B 57, H 75	830	3100	28	111	26,2	DALI
312312.00X.1	L 1127, B 57, H 75	840	3250	28	117	26,4	on/off
312312.00X.1.76	L 1127, B 57, H 75	840	3250	28	117	26,4	DALI
Length L 1407 mm							
312313.00X	L 1407, B 57, H 75	830	3850	34	114	26,2	on/off
312313.00X.76	L 1407, B 57, H 75	830	3850	34	114	26,2	DALI
312313.00X.1	L 1407, B 57, H 75	840	4050	34	120	26,4	on/off
312313.00X.1.76	L 1407, B 57, H 75	840	4050	34	120	26,4	DALI
Length L 1687 mm							
312314.00X	L 1687, B 57, H 75	830	4650	40	117	26,2	on/off
312314.00X.76	L 1687, B 57, H 75	830	4650	40	117	26,2	DALI
312314.00X.1	L 1687, B 57, H 75	840	4850	40	122	26,3	on/off
312314.00X.1.76	L 1687, B 57, H 75	840	4850	40	122	26,3	DALI
Length L 1967 mm							
312315.00X	L 1967, B 57, H 75	830	5400	47	115	26,2	on/off
312315.00X.76	L 1967, B 57, H 75	830	5400	47	115	26,2	DALI
312315.00X.1	L 1967, B 57, H 75	840	5650	47	121	26,3	on/off
312315.00X.1.76	L 1967, B 57, H 75	840	5650	47	121	26,3	DALI
Alea optical system							
Length L 847 mm							
312335.00X	L 847, B 57, H 75	830	2500	22	114	14,7	on/off
312335.00X.76	L 847, B 57, H 75	830	2500	22	114	14,7	DALI
312335.00X.1	L 847, B 57, H 75	840	2650	22	121	14,9	on/off
312335.00X.1.76	L 847, B 57, H 75	840	2650	22	121	14,9	DALI
Length L 1127 mm							
312336.00X	L 1127, B 57, H 75	830	3350	28	120	14,7	on/off
312336.00X.76	L 1127, B 57, H 75	830	3350	28	120	14,7	DALI
312336.00X.1	L 1127, B 57, H 75	840	3550	28	127	14,9	on/off
312336.00X.1.76	L 1127, B 57, H 75	840	3550	28	127	14,9	DALI
Length L 1407 mm							
312337.00X	L 1407, B 57, H 75	830	4200	35	120	14,7	on/off
312337.00X.76	L 1407, B 57, H 75	830	4200	35	120	14,7	DALI
312337.00X.1	L 1407, B 57, H 75	840	4450	35	128	14,9	on/off
312337.00X.1.76	L 1407, B 57, H 75	840	4450	35	128	14,9	DALI
Length L 1687 mm							
312338.00X	L 1687, B 57, H 75	830	5050	41	124	14,7	on/off
312338.00X.76	L 1687, B 57, H 75	830	5050	41	124	14,7	DALI
312338.00X.1	L 1687, B 57, H 75	840	5300	41	130	14,9	on/off
312338.00X.1.76	L 1687, B 57, H 75	840	5300	41	130	14,9	DALI
Length L 1967 mm							
312339.00X	L 1967, B 57, H 75	830	5900	48	123	14,7	on/off
312339.00X.76	L 1967, B 57, H 75	830	5900	48	123	14,7	DALI
312339.00X.1	L 1967, B 57, H 75	840	6200	48	130	14,9	on/off
312339.00X.1.76	L 1967, B 57, H 75	840	6200	48	130	14,9	DALI

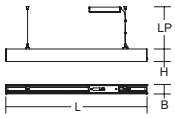
Diffuser: plastic (PMMA): The specified luminous flux refers to the white and white aluminium luminaire. With black, the luminous flux is reduced by approx. 10%. You can find detailed information at www.rzb-lighting.com.


Diffuser opal


Alea optical system

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Pendant luminaires | LESS IS MORE 50



Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 2000 mm

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or **Alea Optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (suitable for use in environments with computer screens in accordance with EN 12464-1). Direct/indirect light emission can be switched separately on DALI versions. LED unit with integrated converter interchangeable and removable. 2-point steel cable suspension freely positionable and infinitely height-adjustable. Special lengths available on request. Canopy de aluminium, powder-coated. Suitable for through-wiring. With sensors or as a safety luminaire on request.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium



Comparison LED vs. conventional lamps

LED 34 / 35 W ≈
1 x 80 W T16 (86 W Psys)

LED 40 / 46 W ≈
2 x 35 W T16 (75 W Psys)

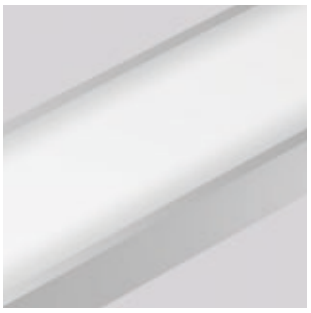
LED 52 / 58 W ≈
2 x 49 W T16 (106 W Psys)

LED 59 / 64 W ≈
2 x 54 W T16 (115 W Psys)

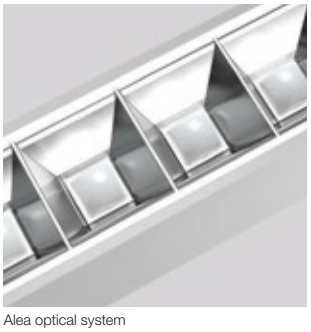
LED 74 / 76 W ≈
2 x 80 W T16 (177 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires with canopy - Direct 65%, indirect 35% light emission							**Price Category 21**
Diffuser: plastic (PMMA), opal							
Length L 847 mm							
312317.00X	L 847, B 57, H 75	830	3850	34	114	23,7	on/off
312317.00X.76	L 847, B 57, H 75	830	3850	34	114	23,7	DALI
312317.00X.1	L 847, B 57, H 75	840	4000	34	118	23,8	on/off
312317.00X.1.76	L 847, B 57, H 75	840	4000	34	118	23,8	DALI
Length L 1127 mm							
312318.00X	L 1127, B 57, H 75	830	4600	40	115	23,3	on/off
312318.00X.76	L 1127, B 57, H 75	830	4600	40	115	23,3	DALI
312318.00X.1	L 1127, B 57, H 75	840	4800	40	120	23,5	on/off
312318.00X.1.76	L 1127, B 57, H 75	840	4800	40	120	23,5	DALI
Length L 1407 mm							
312319.00X	L 1407, B 57, H 75	830	6150	52	119	23,5	on/off
312319.00X.76	L 1407, B 57, H 75	830	6150	52	119	23,5	DALI
312319.00X.1	L 1407, B 57, H 75	840	6450	52	125	23,7	on/off
312319.00X.1.76	L 1407, B 57, H 75	840	6450	52	125	23,7	DALI
Length L 1687 mm							
312320.00X	L 1687, B 57, H 75	830	6900	59	117	23,3	on/off
312320.00X.76	L 1687, B 57, H 75	830	6900	59	117	23,3	DALI
312320.00X.1	L 1687, B 57, H 75	840	7250	59	123	23,5	on/off
312320.00X.1.76	L 1687, B 57, H 75	840	7250	59	123	23,5	DALI
Length L 1967 mm							
312321.00X	L 1967, B 57, H 75	830	8450	74	115	23,5	on/off
312321.00X.76	L 1967, B 57, H 75	830	8450	74	115	23,5	DALI
312321.00X.1	L 1967, B 57, H 75	840	8850	74	120	23,6	on/off
312321.00X.1.76	L 1967, B 57, H 75	840	8850	74	120	23,6	DALI
Alea optical system							
Length L 847 mm							
312341.00X	L 847, B 57, H 75	830	3950	35	113	11,8	on/off
312341.00X.76	L 847, B 57, H 75	830	3950	35	113	11,8	DALI
312341.00X.1	L 847, B 57, H 75	840	4200	35	120	12	on/off
312341.00X.1.76	L 847, B 57, H 75	840	4200	35	120	12	DALI
Length L 1127 mm							
312342.00X	L 1127, B 57, H 75	830	4800	46	105	11,5	on/off
312342.00X.76	L 1127, B 57, H 75	830	4800	46	105	11,5	DALI
312342.00X.1	L 1127, B 57, H 75	840	5050	46	110	11,7	on/off
312342.00X.1.76	L 1127, B 57, H 75	840	5050	46	110	11,7	DALI
Length L 1407 mm							
312343.00X	L 1407, B 57, H 75	830	6400	58	111	11,7	on/off
312343.00X.76	L 1407, B 57, H 75	830	6400	58	111	11,7	DALI
312343.00X.1	L 1407, B 57, H 75	840	6700	58	116	11,9	on/off
312343.00X.1.76	L 1407, B 57, H 75	840	6700	58	116	11,9	DALI
Length L 1687 mm							
312344.00X	L 1687, B 57, H 75	830	7200	64	113	11,5	on/off
312344.00X.76	L 1687, B 57, H 75	830	7200	64	113	11,5	DALI
312344.00X.1	L 1687, B 57, H 75	840	7600	64	119	11,7	on/off
312344.00X.1.76	L 1687, B 57, H 75	840	7600	64	119	11,7	DALI
Length L 1967 mm							
312345.00X	L 1967, B 57, H 75	830	8800	76	116	11,6	on/off
312345.00X.76	L 1967, B 57, H 75	830	8800	76	116	11,6	DALI
312345.00X.1	L 1967, B 57, H 75	840	9250	76	122	11,8	on/off
312345.00X.1.76	L 1967, B 57, H 75	840	9250	76	122	11,8	DALI

Diffuser: plastic (PMMA): The specified luminous flux refers to the white and white aluminium luminaire. With black, the luminous flux is reduced by approx. 10%. You can find detailed information at www.rzb-lighting.com.



Diffuser opal



Alea optical system

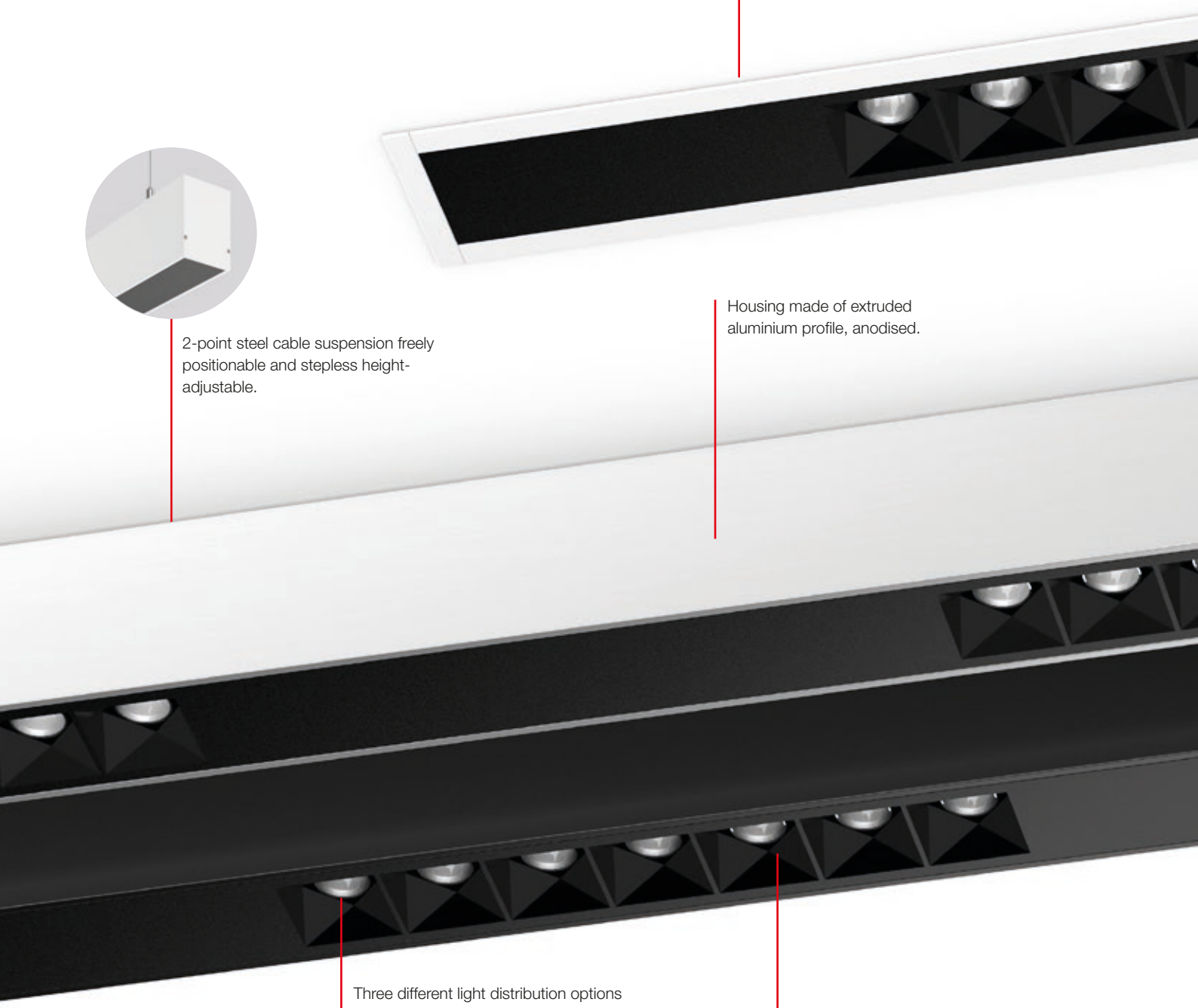
LESS IS MORE® BEAMLINE

Everything at a glance

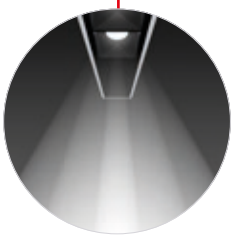
Ceiling mount with pre-assembled SBS clamping bracket system.

2-point steel cable suspension freely positionable and stepless height-adjustable.

Housing made of extruded aluminium profile, anodised.



Three different light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use.



Each LED light unit has 7 reflector elements.

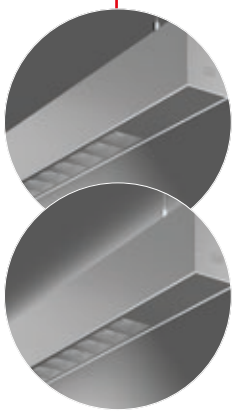
The LED unit with the integrated converter is interchangeable and removable.

Plug & Play

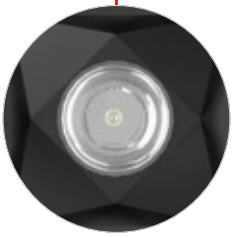
Very easy installation thanks to plug & play connection.

End caps: aluminium, powdercoated.

Two light emmissions (direct, direct/indirect).



LED light unit with **MRS technology:** Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10).



CRI >90

Colour rendering index **CRI >90** for true-to-life colour reproduction.



LESS IS MORE® BEAMLINE

Recessed ceiling luminaires, Ceiling luminaires, Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Light perfectly integrated into the architectural environment.
- **Extensive:** Built-in, surface-mounted and suspended luminaires.
- **Versatile:** Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use.
- **Straightforward:** Single luminaires and configurations of continuous linear lighting up to 50 m or complex L, O, U, I shapes offer maximum design freedom.

LIGHTING DESIGN

- **Anti-glare:** MRS technology for pleasant, glare-free lighting (UGR <10).
- **True colours:** CRI >90 for the most realistic possible perception of colours of surroundings, obects and people.
- **Optimum:** LED rated life 50000 h (L80/B10).
- **Configurable:** Straightforward system planning with the LOUI Configurator.

INSTALLATION

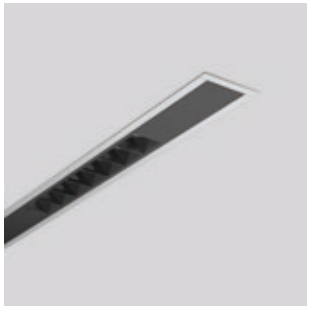
- **Easy installation:** Very easy installation thanks to plug & play connection.
- **Standard:** Internal through-wiring.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com

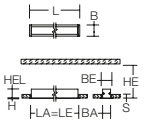


The application image shows:
LESS IS MORE BEAMLINE

© Linus Lintner



Recessed ceiling luminaires | LESS IS MORE BEAMLINE



Type of protection: IP 20
Protection class: I
Ceiling thickness S: 10-30 mm
Impact protection: IK03

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10). Each LED light unit has 7 reflector elements. Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use. Ceiling mounting with pre-assembled SBS clamping bracket system. LED unit with integrated converter interchangeable and removable. Suitable for through-wiring.

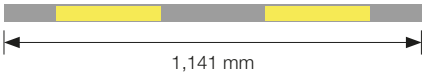
Available colours (X): 2 = white, 3 = black, 4 = silver, 4 = silver, 45 = white aluminium

Comparison
LED vs. conventional lamps

LED 23 W ≈
1 x 28 W T16 (31 W Psys)

LED 48 W ≈
1 x 49 W T16 (53 W Psys)

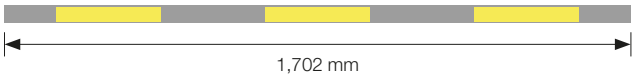
Luminaire with 2 LED light units



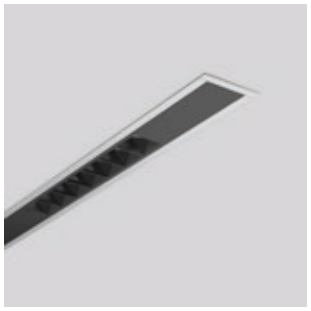
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							**Price Category 21**
Luminaire with two LED light units - LA 1128 x BA 60 mm, HE 125 mm, HEL 106 mm							
Narrow beam light distribution 10°							
312465.00X	L 1141, B 71, H 2	930	2050	23	90	0,7	on/off
312465.00X.76	L 1141, B 71, H 2	930	2050	23	90	0,7	DALI
312465.00X.1	L 1141, B 71, H 2	940	2200	23	96	0,9	on/off
312465.00X.1.76	L 1141, B 71, H 2	940	2200	23	96	0,9	DALI
312468.00X	L 1141, B 71, H 2	930	3600	48	75	2,6	on/off
312468.00X.76	L 1141, B 71, H 2	930	3600	48	75	2,6	DALI
312468.00X.1	L 1141, B 71, H 2	940	3900	48	82	2,9	on/off
312468.00X.1.76	L 1141, B 71, H 2	940	3900	48	82	2,9	DALI
Medium beam light distribution 30°							
312466.00X	L 1141, B 71, H 2	930	1950	23	85	1,4	on/off
312466.00X.76	L 1141, B 71, H 2	930	1950	23	85	1,4	DALI
312466.00X.1	L 1141, B 71, H 2	940	2100	23	92	1,7	on/off
312466.00X.1.76	L 1141, B 71, H 2	940	2100	23	92	1,7	DALI
312469.00X	L 1141, B 71, H 2	930	3500	48	73	3,4	on/off
312469.00X.76	L 1141, B 71, H 2	930	3500	48	73	3,4	DALI
312469.00X.1	L 1141, B 71, H 2	940	3800	48	80	3,7	on/off
312469.00X.1.76	L 1141, B 71, H 2	940	3800	48	80	3,7	DALI
Wide beam light distribution 50°							
312467.00X	L 1141, B 71, H 2	930	2050	23	90	3,5	on/off
312467.00X.76	L 1141, B 71, H 2	930	2050	23	90	3,5	DALI
312467.00X.1	L 1141, B 71, H 2	940	2200	23	96	3,8	on/off
312467.00X.1.76	L 1141, B 71, H 2	940	2200	23	96	3,8	DALI
312470.00X	L 1141, B 71, H 2	930	3650	48	77	5,5	on/off
312470.00X.76	L 1141, B 71, H 2	930	3650	48	77	5,5	DALI
312470.00X.1	L 1141, B 71, H 2	940	3950	48	83	5,8	on/off
312470.00X.1.76	L 1141, B 71, H 2	940	3950	48	83	5,8	DALI

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Luminaire with 3 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							**Price Category 21**
Luminaire with three LED light units - LA 1688 x BA 60 mm, HE 125 mm, HEL 106 mm							
Narrow beam light distribution 10°							
312471.00X	L 1702, B 71, H 2	930	3000	35	86	0,6	on/off
312471.00X.76	L 1702, B 71, H 2	930	3000	35	86	0,6	DALI
312471.00X.1	L 1702, B 71, H 2	940	3250	35	93	0,9	on/off
312471.00X.1.76	L 1702, B 71, H 2	940	3250	35	93	0,9	DALI
312474.00X	L 1702, B 71, H 2	930	5350	72	75	2,6	on/off
312474.00X.76	L 1702, B 71, H 2	930	5350	72	75	2,6	DALI
312474.00X.1	L 1702, B 71, H 2	940	5800	72	81	2,9	on/off
312474.00X.1.76	L 1702, B 71, H 2	940	5800	72	81	2,9	DALI
Medium beam light distribution 30°							
312472.00X	L 1702, B 71, H 2	930	2900	35	83	1,4	on/off
312472.00X.76	L 1702, B 71, H 2	930	2900	35	83	1,4	DALI
312472.00X.1	L 1702, B 71, H 2	940	3150	35	90	1,7	on/off
312472.00X.1.76	L 1702, B 71, H 2	940	3150	35	90	1,7	DALI
312475.00X	L 1702, B 71, H 2	930	5200	72	73	3,4	on/off
312475.00X.76	L 1702, B 71, H 2	930	5200	72	73	3,4	DALI
312475.00X.1	L 1702, B 71, H 2	940	5600	72	78	3,7	on/off
312475.00X.1.76	L 1702, B 71, H 2	940	5600	72	78	3,7	DALI
Wide beam light distribution 50°							
312473.00X	L 1702, B 71, H 2	930	3050	35	88	3,5	on/off
312473.00X.76	L 1702, B 71, H 2	930	3050	35	88	3,5	DALI
312473.00X.1	L 1702, B 71, H 2	940	3300	35	95	3,8	on/off
312473.00X.1.76	L 1702, B 71, H 2	940	3300	35	95	3,8	DALI
312476.00X	L 1702, B 71, H 2	930	5400	72	75	5,5	on/off
312476.00X.76	L 1702, B 71, H 2	930	5400	72	75	5,5	DALI
312476.00X.1	L 1702, B 71, H 2	940	5850	72	82	5,7	on/off
312476.00X.1.76	L 1702, B 71, H 2	940	5850	72	82	5,7	DALI

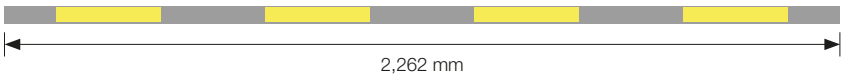


Comparison LED vs. conventional lamps

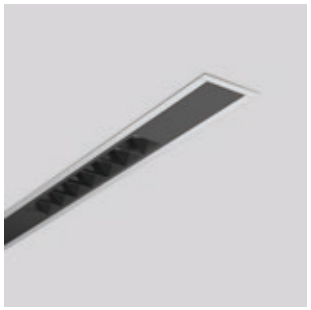
LED 35 W ≈
1 x 35 W T16 (38 W Psys)

LED 72 W ≈
1 x 80 W T16 (86 W Psys)

Luminaire with 4 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							**Price Category 21**
Luminaire with four LED light units - LA 2243 x BA 60 mm, HE 125 mm, HEL 106 mm							
Narrow beam light distribution 10°							
312477.00X	L 2262, B 71, H 2	930	4050	47	87	0,6	on/off
312477.00X.76	L 2262, B 71, H 2	930	4050	47	87	0,6	DALI
312477.00X.1	L 2262, B 71, H 2	940	4350	47	93	0,9	on/off
312477.00X.1.76	L 2262, B 71, H 2	940	4350	47	93	0,9	DALI
312480.00X	L 2262, B 71, H 2	930	7200	97	75	2,6	on/off
312480.00X.76	L 2262, B 71, H 2	930	7200	97	75	2,6	DALI
312480.00X.1	L 2262, B 71, H 2	940	7800	97	81	2,9	on/off
312480.00X.1.76	L 2262, B 71, H 2	940	7800	97	81	2,9	DALI
Medium beam light distribution 30°							
312478.00X	L 2262, B 71, H 2	930	3950	47	85	1,5	on/off
312478.00X.76	L 2262, B 71, H 2	930	3950	47	85	1,5	DALI
312478.00X.1	L 2262, B 71, H 2	940	4200	47	90	1,7	on/off
312478.00X.1.76	L 2262, B 71, H 2	940	4200	47	90	1,7	DALI
312481.00X	L 2262, B 71, H 2	930	6950	97	72	3,4	on/off
312481.00X.76	L 2262, B 71, H 2	930	6950	97	72	3,4	DALI
312481.00X.1	L 2262, B 71, H 2	940	7550	97	78	3,7	on/off
312481.00X.1.76	L 2262, B 71, H 2	940	7550	97	78	3,7	DALI
Wide beam light distribution 50°							
312479.00X	L 2262, B 71, H 2	930	4100	47	88	3,5	on/off
312479.00X.76	L 2262, B 71, H 2	930	4100	47	88	3,5	DALI
312479.00X.1	L 2262, B 71, H 2	940	4400	47	94	3,8	on/off
312479.00X.1.76	L 2262, B 71, H 2	940	4400	47	94	3,8	DALI
312482.00X	L 2262, B 71, H 2	930	7250	97	75	5,5	on/off
312482.00X.76	L 2262, B 71, H 2	930	7250	97	75	5,5	DALI
312482.00X.1	L 2262, B 71, H 2	940	7900	97	82	5,8	on/off
312482.00X.1.76	L 2262, B 71, H 2	940	7900	97	82	5,8	DALI



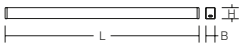
Comparison LED vs. conventional lamps

LED 47 W ≈
1 x 54 W T16 (58 W Psys)

LED 97 W ≈
2 x 49 W T16 (106 W Psys)



Ceiling luminaires | LESS IS MORE BEAMLINE



Type of protection: IP 20
Protection class: I
Impact protection: IK03

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10). Each LED light unit has 7 reflector elements. Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use. LED unit with integrated converter interchangeable and removable. Suitable for through-wiring.

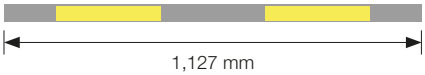
Available colours (X): 2 = white, 3 = black, 4 = silver, 4 = silver, 45 = white aluminium

Comparison
LED vs. conventional lamps

LED 23 W ≈
1 x 28 W T16 (31 W Psys)

LED 48 W ≈
1 x 49 W T16 (53 W Psys)

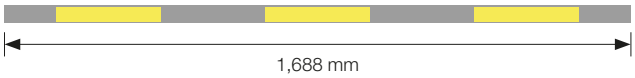
Luminaire with 2 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling luminaires							**Price Category 21**
Luminaire with two LED light units							
Narrow beam light distribution 10°							
312483.00X	L 1127, B 57, H 75	930	2050	23	90	0,7	on/off
312483.00X.76	L 1127, B 57, H 75	930	2050	23	90	0,7	DALI
312483.00X.1	L 1127, B 57, H 75	940	2200	23	96	0,9	on/off
312483.00X.1.76	L 1127, B 57, H 75	940	2200	23	96	0,9	DALI
312486.00X	L 1127, B 57, H 75	930	3600	48	75	2,6	on/off
312486.00X.76	L 1127, B 57, H 75	930	3600	48	75	2,6	DALI
312486.00X.1	L 1127, B 57, H 75	940	3900	48	82	2,9	on/off
312486.00X.1.76	L 1127, B 57, H 75	940	3900	48	82	2,9	DALI
Medium beam light distribution 30°							
312484.00X	L 1127, B 57, H 75	930	1950	23	85	1,4	on/off
312484.00X.76	L 1127, B 57, H 75	930	1950	23	85	1,4	DALI
312484.00X.1	L 1127, B 57, H 75	940	2100	23	92	1,7	on/off
312484.00X.1.76	L 1127, B 57, H 75	940	2100	23	92	1,7	DALI
312487.00X	L 1127, B 57, H 75	930	3500	48	73	3,4	on/off
312487.00X.76	L 1127, B 57, H 75	930	3500	48	73	3,4	DALI
312487.00X.1	L 1127, B 57, H 75	940	3800	48	80	3,7	on/off
312487.00X.1.76	L 1127, B 57, H 75	940	3800	48	80	3,7	DALI
Wide beam light distribution 50°							
312485.00X	L 1127, B 57, H 75	930	2050	23	90	3,5	on/off
312485.00X.76	L 1127, B 57, H 75	930	2050	23	90	3,5	DALI
312485.00X.1	L 1127, B 57, H 75	940	2200	23	96	3,8	on/off
312485.00X.1.76	L 1127, B 57, H 75	940	2200	23	96	3,8	DALI
312488.00X	L 1127, B 57, H 75	930	3650	48	77	5,5	on/off
312488.00X.76	L 1127, B 57, H 75	930	3650	48	77	5,5	DALI
312488.00X.1	L 1127, B 57, H 75	940	3950	48	83	5,8	on/off
312488.00X.1.76	L 1127, B 57, H 75	940	3950	48	83	5,8	DALI

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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Luminaire with 3 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling luminaires							**Price Category 21**
Luminaire with three LED light units							
Narrow beam light distribution 10°							
312489.00X	L 1688, B 57, H 75	930	3000	35	86	0,6	on/off
312489.00X.76	L 1688, B 57, H 75	930	3000	35	86	0,6	DALI
312489.00X.1	L 1688, B 57, H 75	940	3250	35	93	0,9	on/off
312489.00X.1.76	L 1688, B 57, H 75	940	3250	35	93	0,9	DALI
312492.00X	L 1688, B 57, H 75	930	5350	72	75	2,6	on/off
312492.00X.76	L 1688, B 57, H 75	930	5350	72	75	2,6	DALI
312492.00X.1	L 1688, B 57, H 75	940	5800	72	81	2,9	on/off
312492.00X.1.76	L 1688, B 57, H 75	940	5800	72	81	2,9	DALI
Medium beam light distribution 30°							
312490.00X	L 1688, B 57, H 75	930	2900	35	83	1,4	on/off
312490.00X.76	L 1688, B 57, H 75	930	2900	35	83	1,4	DALI
312490.00X.1	L 1688, B 57, H 75	940	3150	35	90	1,7	on/off
312490.00X.1.76	L 1688, B 57, H 75	940	3150	35	90	1,7	DALI
312493.00X	L 1688, B 57, H 75	930	5200	72	73	3,4	on/off
312493.00X.76	L 1688, B 57, H 75	930	5200	72	73	3,4	DALI
312493.00X.1	L 1688, B 57, H 75	940	5600	72	78	3,7	on/off
312493.00X.1.76	L 1688, B 57, H 75	940	5600	72	78	3,7	DALI
Wide beam light distribution 50°							
312491.00X	L 1688, B 57, H 75	930	3050	35	88	3,5	on/off
312491.00X.76	L 1688, B 57, H 75	930	3050	35	88	3,5	DALI
312491.00X.1	L 1688, B 57, H 75	940	3300	35	95	3,8	on/off
312491.00X.1.76	L 1688, B 57, H 75	940	3300	35	95	3,8	DALI
312494.00X	L 1688, B 57, H 75	930	5400	72	75	5,5	on/off
312494.00X.76	L 1688, B 57, H 75	930	5400	72	75	5,5	DALI
312494.00X.1	L 1688, B 57, H 75	940	5850	72	82	5,7	on/off
312494.00X.1.76	L 1688, B 57, H 75	940	5850	72	82	5,7	DALI

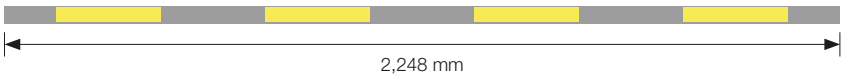


Comparison
LED vs. conventional lamps

LED 35 W ≈
1 x 35 W T16 (38 W Psys)

LED 72 W ≈
1 x 80 W T16 (86 W Psys)

Luminaire with 4 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling luminaires							**Price Category 21**
Luminaire with four LED light units							
Narrow beam light distribution 10°							
312495.00X	L 2248, B 57, H 75	930	4050	47	87	0,6	on/off
312495.00X.76	L 2248, B 57, H 75	930	4050	47	87	0,6	DALI
312495.00X.1	L 2248, B 57, H 75	940	4350	47	93	0,9	on/off
312495.00X.1.76	L 2248, B 57, H 75	940	4350	47	93	0,9	DALI
312498.00X	L 2248, B 57, H 75	930	7200	97	75	2,6	on/off
312498.00X.76	L 2248, B 57, H 75	930	7200	97	75	2,6	DALI
312498.00X.1	L 2248, B 57, H 75	940	7800	97	81	2,9	on/off
312498.00X.1.76	L 2248, B 57, H 75	940	7800	97	81	2,9	DALI
Medium beam light distribution 30°							
312496.00X	L 2248, B 57, H 75	930	3950	47	85	1,5	on/off
312496.00X.76	L 2248, B 57, H 75	930	3950	47	85	1,5	DALI
312496.00X.1	L 2248, B 57, H 75	940	4200	47	90	1,7	on/off
312496.00X.1.76	L 2248, B 57, H 75	940	4200	47	90	1,7	DALI
312499.00X	L 2248, B 57, H 75	930	6950	97	72	3,4	on/off
312499.00X.76	L 2248, B 57, H 75	930	6950	97	72	3,4	DALI
312499.00X.1	L 2248, B 57, H 75	940	7550	97	78	3,7	on/off
312499.00X.1.76	L 2248, B 57, H 75	940	7550	97	78	3,7	DALI
Wide beam light distribution 50°							
312497.00X	L 2248, B 57, H 75	930	4100	47	88	3,5	on/off
312497.00X.76	L 2248, B 57, H 75	930	4100	47	88	3,5	DALI
312497.00X.1	L 2248, B 57, H 75	940	4400	47	94	3,8	on/off
312497.00X.1.76	L 2248, B 57, H 75	940	4400	47	94	3,8	DALI
312500.00X	L 2248, B 57, H 75	930	7250	97	75	5,5	on/off
312500.00X.76	L 2248, B 57, H 75	930	7250	97	75	5,5	DALI
312500.00X.1	L 2248, B 57, H 75	940	7900	97	82	5,8	on/off
312500.00X.1.76	L 2248, B 57, H 75	940	7900	97	82	5,8	DALI



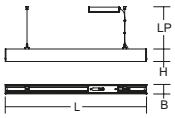
Comparison
LED vs. conventional lamps

LED 47 W ≈
1 x 54 W T16 (58 W Psys)

LED 97 W ≈
2 x 49 W T16 (106 W Psys)



Pendant luminaires | LESS IS MORE BEAMLINE



Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 2000 mm

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10). Each LED light unit has 7 reflector elements. Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use. LED unit with integrated converter interchangeable and removable. 2-point steel cable suspension freely positionable and infinitely height-adjustable. Special lengths available on request. Suitable for through-wiring.

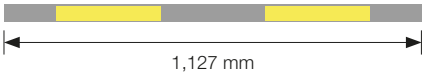
Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium

Comparison
LED vs. conventional lamps

LED 23 W ≈
1 x 28 W T16 (31 W Psys)

LED 48 W ≈
1 x 49 W T16 (53 W Psys)

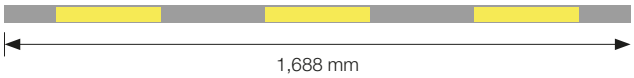
Luminaire with 2 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - Direct light emission							**Price Category 21**
Luminaire with two LED light units							
Narrow beam light distribution 10°							
312501.00X	L 1127, B 57, H 75	930	2050	23	90	0,7	on/off
312501.00X.76	L 1127, B 57, H 75	930	2050	23	90	0,7	DALI
312501.00X.1	L 1127, B 57, H 75	940	2200	23	96	0,9	on/off
312501.00X.1.76	L 1127, B 57, H 75	940	2200	23	96	0,9	DALI
312504.00X	L 1127, B 57, H 75	930	3600	48	75	2,6	on/off
312504.00X.76	L 1127, B 57, H 75	930	3600	48	75	2,6	DALI
312504.00X.1	L 1127, B 57, H 75	940	3900	48	82	2,9	on/off
312504.00X.1.76	L 1127, B 57, H 75	940	3900	48	82	2,9	DALI
Medium beam light distribution 30°							
312502.00X	L 1127, B 57, H 75	930	1950	23	85	1,4	on/off
312502.00X.76	L 1127, B 57, H 75	930	1950	23	85	1,4	DALI
312502.00X.1	L 1127, B 57, H 75	940	2100	23	92	1,7	on/off
312502.00X.1.76	L 1127, B 57, H 75	940	2100	23	92	1,7	DALI
312505.00X	L 1127, B 57, H 75	930	3500	48	73	3,4	on/off
312505.00X.76	L 1127, B 57, H 75	930	3500	48	73	3,4	DALI
312505.00X.1	L 1127, B 57, H 75	940	3800	48	80	3,7	on/off
312505.00X.1.76	L 1127, B 57, H 75	940	3800	48	80	3,7	DALI
Wide beam light distribution 50°							
312503.00X	L 1127, B 57, H 75	930	2050	23	90	3,5	on/off
312503.00X.76	L 1127, B 57, H 75	930	2050	23	90	3,5	DALI
312503.00X.1	L 1127, B 57, H 75	940	2200	23	96	3,8	on/off
312503.00X.1.76	L 1127, B 57, H 75	940	2200	23	96	3,8	DALI
312506.00X	L 1127, B 57, H 75	930	3650	48	77	5,5	on/off
312506.00X.76	L 1127, B 57, H 75	930	3650	48	77	5,5	DALI
312506.00X.1	L 1127, B 57, H 75	940	3950	48	83	5,8	on/off
312506.00X.1.76	L 1127, B 57, H 75	940	3950	48	83	5,8	DALI

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Luminaire with 3 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - Direct light emission							**Price Category 21**
Luminaire with three LED light units							
Narrow beam light distribution 10°							
312513.00X	L 1688, B 57, H 75	930	3000	35	86	0,6	on/off
312513.00X.76	L 1688, B 57, H 75	930	3000	35	86	0,6	DALI
312513.00X.1	L 1688, B 57, H 75	940	3250	35	93	0,9	on/off
312513.00X.1.76	L 1688, B 57, H 75	940	3250	35	93	0,9	DALI
312516.00X	L 1688, B 57, H 75	930	5350	72	75	2,6	on/off
312516.00X.76	L 1688, B 57, H 75	930	5350	72	75	2,6	DALI
312516.00X.1	L 1688, B 57, H 75	940	5800	72	81	2,9	on/off
312516.00X.1.76	L 1688, B 57, H 75	940	5800	72	81	2,9	DALI
Medium beam light distribution 30°							
312514.00X	L 1688, B 57, H 75	930	2900	35	83	1,4	on/off
312514.00X.76	L 1688, B 57, H 75	930	2900	35	83	1,4	DALI
312514.00X.1	L 1688, B 57, H 75	940	3150	35	90	1,7	on/off
312514.00X.1.76	L 1688, B 57, H 75	940	3150	35	90	1,7	DALI
312517.00X	L 1688, B 57, H 75	930	5200	72	73	3,4	on/off
312517.00X.76	L 1688, B 57, H 75	930	5200	72	73	3,4	DALI
312517.00X.1	L 1688, B 57, H 75	940	5600	72	78	3,7	on/off
312517.00X.1.76	L 1688, B 57, H 75	940	5600	72	78	3,7	DALI
Wide beam light distribution 50°							
312515.00X	L 1688, B 57, H 75	930	3050	35	88	3,5	on/off
312515.00X.76	L 1688, B 57, H 75	930	3050	35	88	3,5	DALI
312515.00X.1	L 1688, B 57, H 75	940	3300	35	95	3,8	on/off
312515.00X.1.76	L 1688, B 57, H 75	940	3300	35	95	3,8	DALI
312518.00X	L 1688, B 57, H 75	930	5400	72	75	5,5	on/off
312518.00X.76	L 1688, B 57, H 75	930	5400	72	75	5,5	DALI
312518.00X.1	L 1688, B 57, H 75	940	5850	72	82	5,7	on/off
312518.00X.1.76	L 1688, B 57, H 75	940	5850	72	82	5,7	DALI

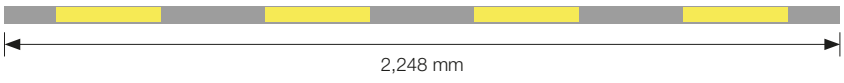


Comparison
LED vs. conventional lamps

LED 35 W ≈
1 x 35 W T16 (38 W Psys)

LED 72 W ≈
1 x 80 W T16 (86 W Psys)

Luminaire with 4 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - Direct light emission							**Price Category 21**
Luminaire with four LED light units							
Narrow beam light distribution 10°							
312525.00X	L 2248, B 57, H 75	930	4050	47	87	0,6	on/off
312525.00X.76	L 2248, B 57, H 75	930	4050	47	87	0,6	DALI
312525.00X.1	L 2248, B 57, H 75	940	4350	47	93	0,9	on/off
312525.00X.1.76	L 2248, B 57, H 75	940	4350	47	93	0,9	DALI
312528.00X	L 2248, B 57, H 75	930	7200	97	75	2,6	on/off
312528.00X.76	L 2248, B 57, H 75	930	7200	97	75	2,6	DALI
312528.00X.1	L 2248, B 57, H 75	940	7800	97	81	2,9	on/off
312528.00X.1.76	L 2248, B 57, H 75	940	7800	97	81	2,9	DALI
Medium beam light distribution 30°							
312526.00X	L 2248, B 57, H 75	930	3950	47	85	1,5	on/off
312526.00X.76	L 2248, B 57, H 75	930	3950	47	85	1,5	DALI
312526.00X.1	L 2248, B 57, H 75	940	4200	47	90	1,7	on/off
312526.00X.1.76	L 2248, B 57, H 75	940	4200	47	90	1,7	DALI
312529.00X	L 2248, B 57, H 75	930	6950	97	72	3,4	on/off
312529.00X.76	L 2248, B 57, H 75	930	6950	97	72	3,4	DALI
312529.00X.1	L 2248, B 57, H 75	940	7550	97	78	3,7	on/off
312529.00X.1.76	L 2248, B 57, H 75	940	7550	97	78	3,7	DALI
Wide beam light distribution 50°							
312527.00X	L 2248, B 57, H 75	930	4100	47	88	3,5	on/off
312527.00X.76	L 2248, B 57, H 75	930	4100	47	88	3,5	DALI
312527.00X.1	L 2248, B 57, H 75	940	4400	47	94	3,8	on/off
312527.00X.1.76	L 2248, B 57, H 75	940	4400	47	94	3,8	DALI
312530.00X	L 2248, B 57, H 75	930	7250	97	75	5,5	on/off
312530.00X.76	L 2248, B 57, H 75	930	7250	97	75	5,5	DALI
312530.00X.1	L 2248, B 57, H 75	940	7900	97	82	5,8	on/off
312530.00X.1.76	L 2248, B 57, H 75	940	7900	97	82	5,8	DALI



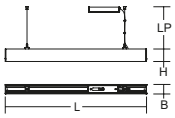
Comparison
LED vs. conventional lamps

LED 47 W ≈
1 x 54 W T16 (58 W Psys)

LED 97 W ≈
2 x 49 W T16 (106 W Psys)



Pendant luminaires | LESS IS MORE BEAMLINE



Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 2000 mm

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10). Each LED light unit has 7 reflector elements. Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use. LED unit with integrated converter interchangeable and removable. 2-point steel cable suspension freely positionable and infinitely height-adjustable. Special lengths available on request. Suitable for through-wiring.

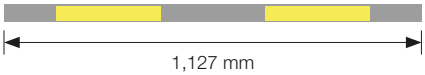
Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium

Comparison
LED vs. conventional lamps

LED 38 W ≈
1 x 49 W T16 (53 W Psys)

LED 63 W ≈
1 x 80 W T16 (86 W Psys)

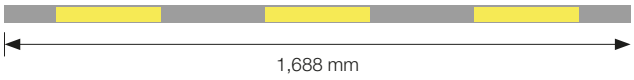
Luminaire with 2 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - Direct/indirect light emission							**Price Category 21**
Luminaire with two LED light units							
Narrow beam light distribution 10° - Direct 55%, indirect 45% light emission							
312507.00X	L 1127, B 57, H 75	930	3650	38	97	0,7	on/off
312507.00X.76	L 1127, B 57, H 75	930	3650	38	97	0,7	DALI
312507.00X.1	L 1127, B 57, H 75	940	3850	38	102	0,9	on/off
312507.00X.1.76	L 1127, B 57, H 75	940	3850	38	102	0,9	DALI
Narrow beam light distribution 10° - Direct 67%, indirect 33% light emission							
312510.00X	L 1127, B 57, H 75	930	5200	63	83	3,6	on/off
312510.00X.76	L 1127, B 57, H 75	930	5200	63	83	3,6	DALI
312510.00X.1	L 1127, B 57, H 75	940	5600	63	89	3,8	on/off
312510.00X.1.76	L 1127, B 57, H 75	940	5600	63	89	3,8	DALI
Medium beam light distribution 30° - Direct 55%, indirect 45% light emission							
312508.00X	L 1127, B 57, H 75	930	3600	38	95	1,1	on/off
312508.00X.76	L 1127, B 57, H 75	930	3600	38	95	1,1	DALI
312508.00X.1	L 1127, B 57, H 75	940	3800	38	100	1,3	on/off
312508.00X.1.76	L 1127, B 57, H 75	940	3800	38	100	1,3	DALI
Medium beam light distribution 30° - Direct 67%, indirect 33% light emission							
312511.00X	L 1127, B 57, H 75	930	5100	63	81	4,3	on/off
312511.00X.76	L 1127, B 57, H 75	930	5100	63	81	4,3	DALI
312511.00X.1	L 1127, B 57, H 75	940	5450	63	87	4,5	on/off
312511.00X.1.76	L 1127, B 57, H 75	940	5450	63	87	4,5	DALI
Wide beam light distribution 50° - Direct 55%, indirect 45% light emission							
312509.00X	L 1127, B 57, H 75	930	3650	38	97	3,7	on/off
312509.00X.76	L 1127, B 57, H 75	930	3650	38	97	3,7	DALI
312509.00X.1	L 1127, B 57, H 75	940	3900	38	103	4	on/off
312509.00X.1.76	L 1127, B 57, H 75	940	3900	38	103	4	DALI
Wide beam light distribution 50° - Direct 67%, indirect 33% light emission							
312512.00X	L 1127, B 57, H 75	930	5250	63	84	6,9	on/off
312512.00X.76	L 1127, B 57, H 75	930	5250	63	84	6,9	DALI
312512.00X.1	L 1127, B 57, H 75	940	5600	63	89	7,1	on/off
312512.00X.1.76	L 1127, B 57, H 75	940	5600	63	89	7,1	DALI

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Luminaire with 3 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - Direct/indirect light emission							**Price Category 21**
Luminaire with three LED light units							
Narrow beam light distribution 10° - Direct 55%, indirect 45% light emission							
312519.00X	L 1688, B 57, H 75	930	5450	55	100	0,7	on/off
312519.00X.76	L 1688, B 57, H 75	930	5450	55	100	0,7	DALI
312519.00X.1	L 1688, B 57, H 75	940	5800	55	106	0,9	on/off
312519.00X.1.76	L 1688, B 57, H 75	940	5800	55	106	0,9	DALI
Narrow beam light distribution 10° - Direct 67%, indirect 33% light emission							
312522.00X	L 1688, B 57, H 75	930	7700	93	83	3,5	on/off
312522.00X.76	L 1688, B 57, H 75	930	7700	93	83	3,5	DALI
312522.00X.1	L 1688, B 57, H 75	940	8250	93	89	3,8	on/off
312522.00X.1.76	L 1688, B 57, H 75	940	8250	93	89	3,8	DALI
Medium beam light distribution 30° - Direct 55%, indirect 45% light emission							
312520.00X	L 1688, B 57, H 75	930	5300	55	97	1,1	on/off
312520.00X.76	L 1688, B 57, H 75	930	5300	55	97	1,1	DALI
312520.00X.1	L 1688, B 57, H 75	940	5650	55	103	1,3	on/off
312520.00X.1.76	L 1688, B 57, H 75	940	5650	55	103	1,3	DALI
Medium beam light distribution 30° - Direct 67%, indirect 33% light emission							
312523.00X	L 1688, B 57, H 75	930	7500	93	81	4,2	on/off
312523.00X.76	L 1688, B 57, H 75	930	7500	93	81	4,2	DALI
312523.00X.1	L 1688, B 57, H 75	940	8050	93	87	4,4	on/off
312523.00X.1.76	L 1688, B 57, H 75	940	8050	93	87	4,4	DALI
Wide beam light distribution 50° - Direct 55%, indirect 45% light emission							
312521.00X	L 1688, B 57, H 75	930	5450	55	100	3,7	on/off
312521.00X.76	L 1688, B 57, H 75	930	5450	55	100	3,7	DALI
312521.00X.1	L 1688, B 57, H 75	940	5850	55	107	4	on/off
312521.00X.1.76	L 1688, B 57, H 75	940	5850	55	107	4	DALI
Wide beam light distribution 50° - Direct 67%, indirect 33% light emission							
312524.00X	L 1688, B 57, H 75	930	7750	93	84	6,8	on/off
312524.00X.76	L 1688, B 57, H 75	930	7750	93	84	6,8	DALI
312524.00X.1	L 1688, B 57, H 75	940	8300	93	90	7,1	on/off
312524.00X.1.76	L 1688, B 57, H 75	940	8300	93	90	7,1	DALI

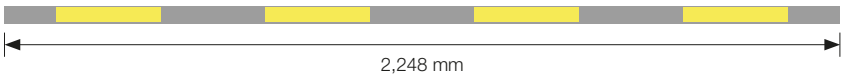


Comparison
LED vs. conventional lamps

LED 55 W ≈
1 x 80 W T16 (86 W Psys)

LED 93 W ≈
2 x 54 W T16 (115 W Psys)

Luminaire with 4 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - Direct/indirect light emission							**Price Category 21**
Luminaire with four LED light units							
Narrow beam light distribution 10° - Direct 55%, indirect 45% light emission							
312531.00X	L 2248, B 57, H 75	930	7300	76	97	0,7	on/off
312531.00X.76	L 2248, B 57, H 75	930	7300	76	97	0,7	DALI
312531.00X.1	L 2248, B 57, H 75	940	7700	76	102	0,9	on/off
312531.00X.1.76	L 2248, B 57, H 75	940	7700	76	102	0,9	DALI
Narrow beam light distribution 10° - Direct 67%, indirect 33% light emission							
312534.00X	L 2248, B 57, H 75	930	10400	126	83	3,6	on/off
312534.00X.76	L 2248, B 57, H 75	930	10400	126	83	3,6	DALI
312534.00X.1	L 2248, B 57, H 75	940	11200	126	89	3,8	on/off
312534.00X.1.76	L 2248, B 57, H 75	940	11200	126	89	3,8	DALI
Medium beam light distribution 30° - Direct 55%, indirect 45% light emission							
312532.00X	L 2248, B 57, H 75	930	7150	76	95	1,1	on/off
312532.00X.76	L 2248, B 57, H 75	930	7150	76	95	1,1	DALI
312532.00X.1	L 2248, B 57, H 75	940	7550	76	100	1,3	on/off
312532.00X.1.76	L 2248, B 57, H 75	940	7550	76	100	1,3	DALI
Medium beam light distribution 30° - Direct 67%, indirect 33% light emission							
312535.00X	L 2248, B 57, H 75	930	10200	126	81	4,3	on/off
312535.00X.76	L 2248, B 57, H 75	930	10200	126	81	4,3	DALI
312535.00X.1	L 2248, B 57, H 75	940	10900	126	87	4,5	on/off
312535.00X.1.76	L 2248, B 57, H 75	940	10900	126	87	4,5	DALI
Wide beam light distribution 50° - Direct 55%, indirect 45% light emission							
312533.00X	L 2248, B 57, H 75	930	7350	76	97	3,8	on/off
312533.00X.76	L 2248, B 57, H 75	930	7350	76	97	3,8	DALI
312533.00X.1	L 2248, B 57, H 75	940	7750	76	102	4	on/off
312533.00X.1.76	L 2248, B 57, H 75	940	7750	76	102	4	DALI
Wide beam light distribution 50° - Direct 67%, indirect 33% light emission							
312536.00X	L 2248, B 57, H 75	930	10400	126	83	6,8	on/off
312536.00X.76	L 2248, B 57, H 75	930	10400	126	83	6,8	DALI
312536.00X.1	L 2248, B 57, H 75	940	11200	126	89	7,1	on/off
312536.00X.1.76	L 2248, B 57, H 75	940	11200	126	89	7,1	DALI



Comparison
LED vs. conventional lamps

LED 76 W ≈
2 x 49 W T16 (106 W Psys)

LED 126 W ≈
2 x 80 W T16 (177 W Psys)



LESS IS MORE® - SYSTEMS

Pendant luminaires, recessed ceiling and wall luminaires, ceiling and wall luminaires

ARCHITECTURE

- **Design-oriented:** Light perfectly integrated into the architectural environment.
- **Straightforward:** Continuous line of light up to 50 m.
- **Versatile:** Different forms can be configured.

LIGHTING DESIGN

- **Flexible:** As aesthetically sophisticated general lighting (corridors, hotel, shops, private areas) or accentuated lighting.
- **Configurable:** Straightforward system planning with the LOUI Configurator.

INSTALLATION

- **Optimum:** Gapless, mechanical and electrical connection.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com



© Linus Lintner

The application image shows:
LESS IS MORE 27

LESS IS MORE® - SYSTEMS

Configurator

1 2 3 4



First step: Choose your Less is more version. Than...



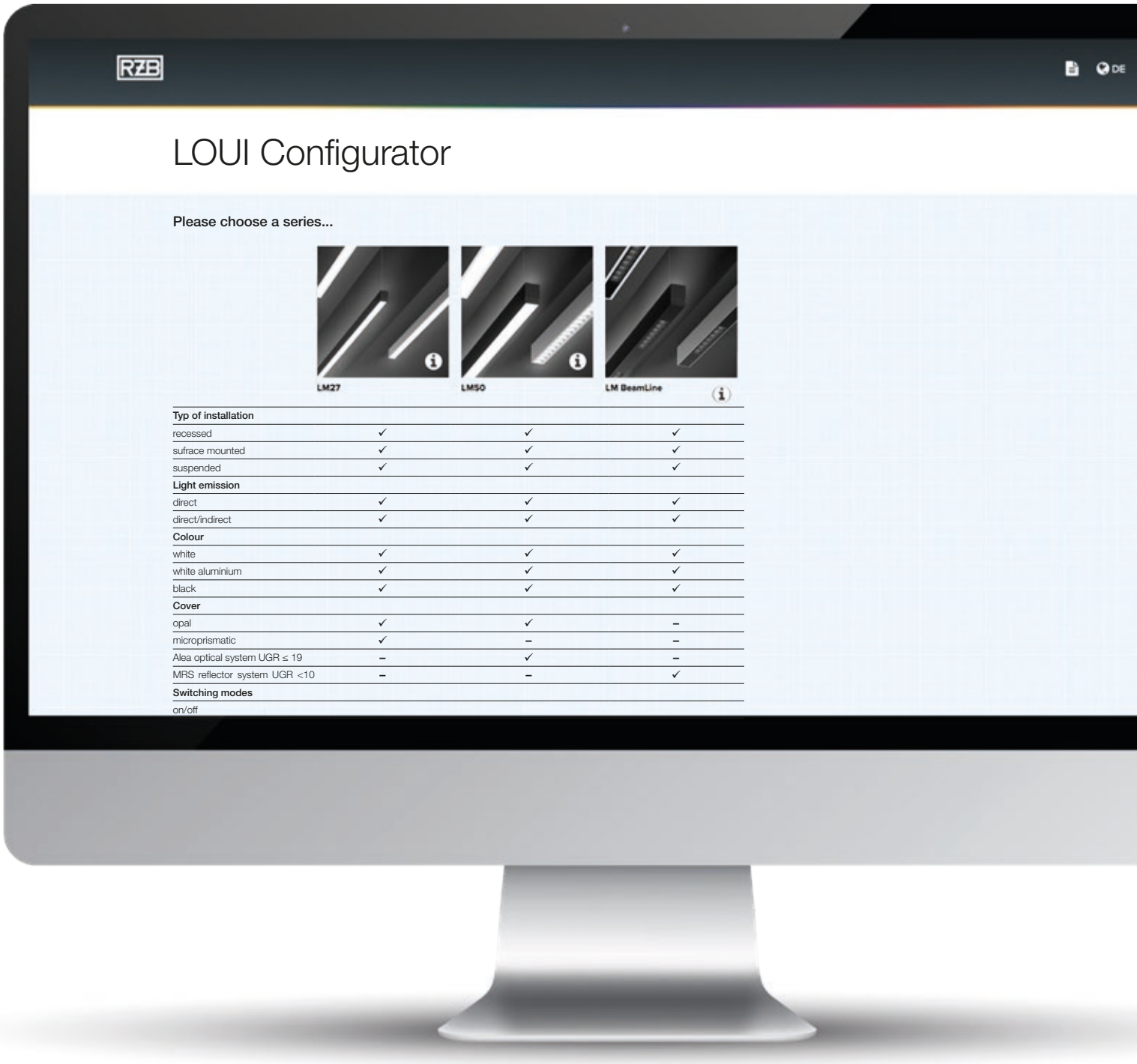
…LOUI design…



…installation type…



…profile colour…



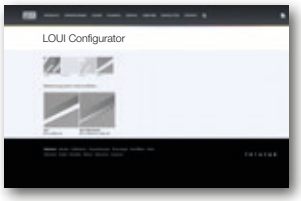
The LOUI configurator

Planning was never so easy!

With the RZB configurator you can plan your luminaire system quickly, safely and creatively.

- ✔ Free configuration of your luminaire system.
- ✔ Direct price information and material configuration.
- ✔ Including an installation drawing of your luminaire system in DXF format.
- ✔ Including the ROLFZ file of your configured system for your planning in RELUX!

5



…cover/diffuser…

6



…LED Power…

7



…switching mode…

8

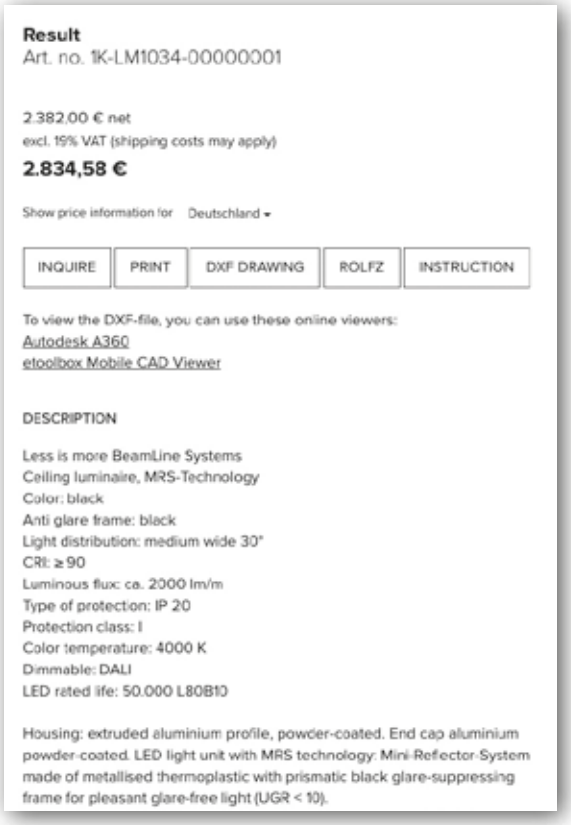


…and colour temperature.

9



Determine dimensions for the desired design - only feasible dimensions are suggested.



Result
Art. no. 1K-LM1034-00000001

2.382,00 € net
excl. 19% VAT (shipping costs may apply)
2.834,58 €

Show price information for Deutschland

INQUIRE | PRINT | DXF DRAWING | ROLFZ | INSTRUCTION

To view the DXF-file, you can use these online viewers:
Autodesk A360
etoolbox Mobile CAD Viewer

DESCRIPTION

Less is more BeamLine Systems
Ceiling luminaire, MRS-Technology
Color: black
Anti glare frame: black
Light distribution: medium wide 30°
CRI: ≥ 90
Luminous flux: ca. 2000 lm/m
Type of protection: IP 20
Protection class: I
Color temperature: 4000 K
Dimmable: DALI
LED rated life: 50.000 L80B10

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. LED light unit with MRS technology: Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR < 10).

...ready for planning!

10

Start playing: rzb.de/loui

LESS IS MORE® 27 - SYSTEMS

Details at a glance

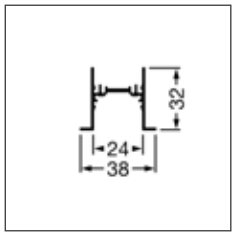


The LED system with slim design

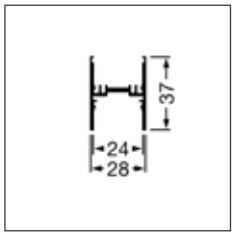
- Continuous line of light up to 50 m
- Version with micro-grid is suitable for office areas (UGR ≤19) and environments with computer screens in accordance with EN 12464-1
- External driver with connecting cable
- Luminous fluxes up to 3000 lm/m
- LED rated life 60,000 h (L80, B10)

	LESS IS MORE 27 - Systems
Typ of installation	
recessed	✓
surface mounted	✓
suspended	✓
Light emission	
direct	✓
direct/indirect	✓
Colour	
white	✓
silver	✓
black	✓
Cover	
opal	✓
microprismatic	✓
micro-grid (UGR ≤ 19)	✓
Alea optical system (UGR ≤ 19)	–
MRS technology (UGR <10)	–
Switching modes	
on/off	✓
DALI	✓
Light colours	
830, 840	✓
930, 940	–
Driver	
external	✓
internally	–
Forms	
„LOUI“	✓
„△Z“	on request

recessed



pendant | surface mounted



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Types of installation



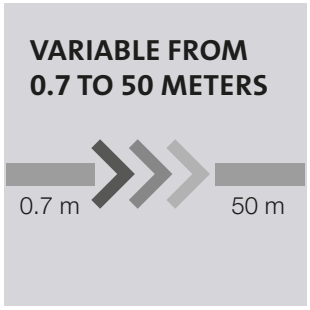




Pendant, surface mounted and recessed

The three types of installation, pendant, surface mounting and flush mounting, offer very much freedom of design in your planning.

Modules



Through sub-modules, which are available from 700 - 2,000 mm, all system sizes (divisible every 100 mm) can be put together to a total length of 50 m.

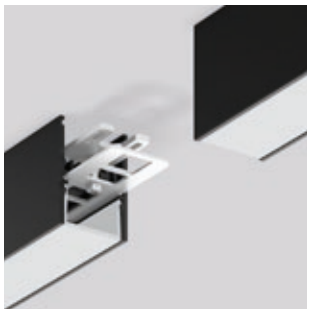
This would always offer you the desired length in the project.

End cap



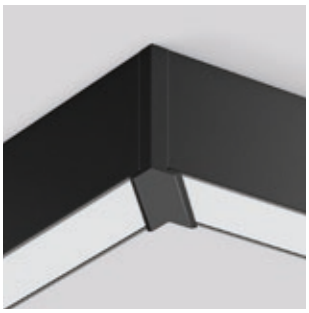
Since the end cap is suitable for all profiles and covers, your system has a finish without any light leakage.

Connection



Gapless, mechanical and electrical connection

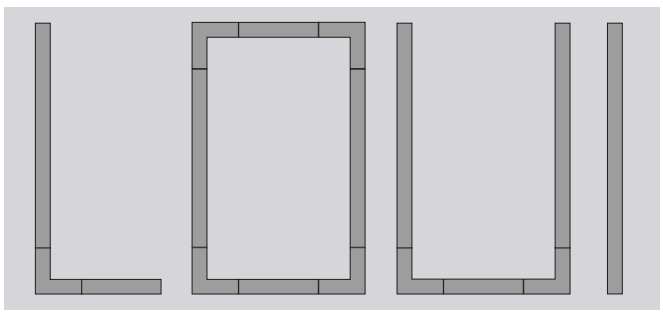
The mechanical connection between the individual profiles guarantees stability and safety. This is invisibly integrated in the profile, so that an uninterrupted light line without light leakage is created.



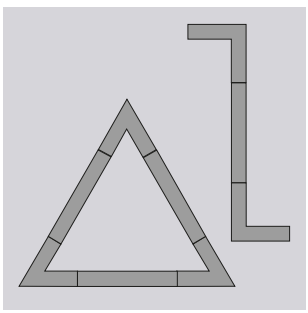
Cross-profile corner mounting

The prefabricated corner element with an aluminium ridge across all covers prevents light leakage and thus guarantees a harmonious and fully illuminated corner situation.

Design examples



On request



60° angle for triangle or
90° for Z form.

LESS IS MORE® 50 - SYSTEMS

Details at a glance

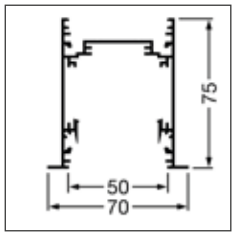


The LED system reduced to the essentials

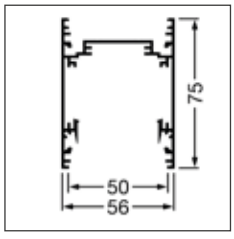
- Continuous line of light up to 50 m
- Integral driver
- Replaceable LED unit
- Internal through-wiring
- Luminous fluxes up to 4700 lm/m
- LED rated life 50,000 h (L80, B10)
- **Alea optical system:** Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1

	LESS IS MORE 50 - Systems
Typ of installation	
recessed	✓
surface mounted	✓
suspended	✓
Light emission	
direct	✓
direct/indirect	✓
Colour	
white	✓
silver	✓
black	✓
Cover	
opal	✓
microprismatic	–
micro-grid (UGR ≤ 19)	–
Alea optical system (UGR ≤ 19)	✓
MRS technology (UGR <10)	–
Switching modes	
on/off	✓
DALI	✓
Light colours	
830, 840	✓
930, 940	–
Driver	
extea external rn	–
internally	✓
Forms	
„LOUI“	✓
„△Z“	–

recessed



pendant | surface mounted



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Types of installation



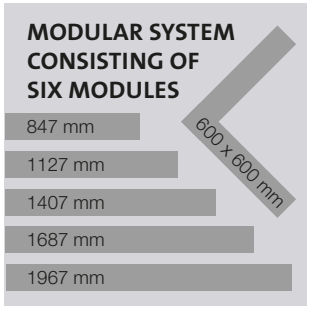




Pendant, surface mounted and recessed

The three types of installation, pendant, surface mounting and flush mounting, offer very much freedom of design in your planning.

Modules



With the help of part-modules available in six different lengths, all system sizes can be assembled.

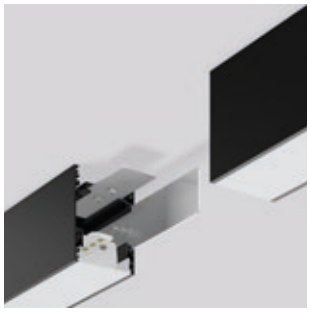
This means that you always get the length you need for your project.

End cap



The profile flush end cap gives the system a smooth and elegant finish.

Connection



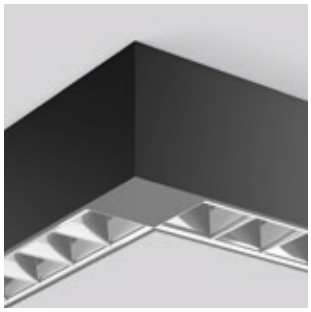
Gapless, mechanical and electrical connection

The mechanical connection between the individual profiles guarantees stability and safety. This is invisibly integrated in the profile, so that an uninterrupted light line without light leakage is created.



Cross-profile corner mounting

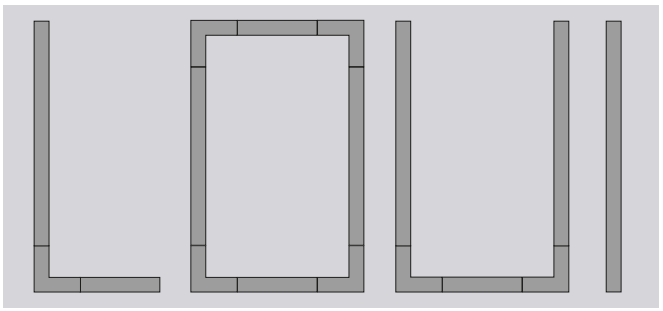
The prefabricated corner element with an aluminium ridge across all covers prevents light leakage and thus guarantees a harmonious and fully illuminated corner situation.



Cross-profile corner mounting

with Alea optial system.

Design examples



LESS IS MORE® BEAMLINE - SYSTEMS

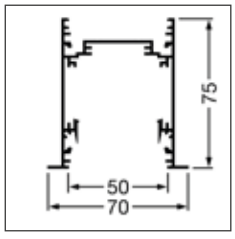
Details at a glance



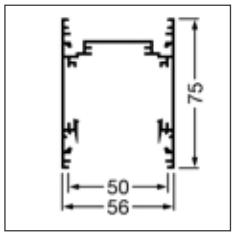
The LED system for aesthetically sophisticated lighting

- Light line up to 50 m
- MRS technology for pleasant, glare-free lighting (UGR <10)
- Three different light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use
- Darklight effect
- Replaceable LED unit
- Integrierte Durchgangsverdrahtung
- Integral driver
- Luminous fluxes up to 5000 lm/m
- LED rated life 50,000 h (L80, B10)
- Colour rendering index Ra ≥ 90

recessed



pendant | surface mounted

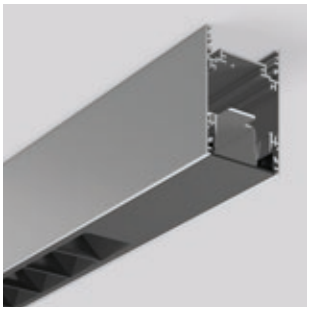


	LESS IS MORE BEAMLINE - Systems
Typ of installation	
recessed	✓
surface mounted	✓
suspended	✓
Light emission	
direct	✓
direct/indirect	✓
Colour (Profile/Optic)	
white/black	✓
silver/black	✓
black/black	✓
white/white	✓
Cover	
opal	–
microprismatic	–
micro-grid (UGR ≤ 19)	–
Alea optical system (UGR ≤ 19)	–
MRS technology (UGR <10)	✓
Switching modes	
on/off	✓
DALI	✓
Light colours	
830, 840	–
930, 940	✓
Driver	
external	–
internally	✓
Forms	
„LOUI“	✓
„△Z“	–

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Types of installation



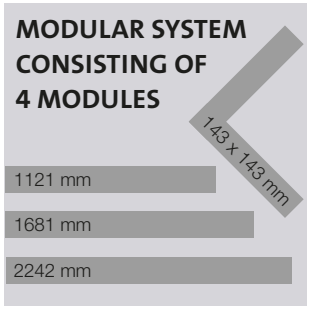




Pendant, surface mounted and recessed

The three types of installation, pendant, surface mounting and flush mounting, offer very much freedom of design in your planning.

Modules



With the help of part-modules available in four differen lengths, all system sizes can be assembled.

This means that you always get the length you need for your project.

End cap



The profile flush end cap gives the system a smooth and elegant finish.

Connection



Gapless, mechanical and electrical connection

The mechanical connection between the individual profiles guarantees stability and safety. This is invisibly integrated in the profile.

Lighting technology



MRS technology

Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10).



MRS technology

Mini-Reflector-System with white glare-suppressing frame.



Light distribution

Three different light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use.



The application image shows:
FLAT POLYMERO KREIS SLIM

© Simon Menges


173-175

FLAT SLIM round
170-175


176-177

FLAT SLIM disc
170-172 | 176-177


178-179

FLAT SLIM step
170-172 | 178-179


180-181

FLAT SLIM square
170-172 | 180-181

189-190

FLAT POLYMERO KREIS SLIM
184-191

193

194-195

FLAT POLYMERO KREIS
184-187 | 192-195

199

200-203

FLAT POLYMERO
196-203

205-206

FLAT POLYMERO IP44
196-197 | 204-207

209-210

FLAT BASIC
208-210


211

RING OF FIRE
211

Overview - Decorative ceiling and wall luminaires

This table provides an overview of the variety of decorative ceiling and wall luminaire series from RZB: made of fine glass or robust plastic, in different sizes and with different fittings, there is a suitable luminaire in the range for almost every application.

		FLAT SLIM round				FLAT SLIM disc			FLAT SLIM step			FLAT SLIM square
												
Diffuser		3-layer opal glass matt PMMA / PC				3-layer opal glass matt			3-layer opal glass matt			matt or high-polish crystal glass
Shockproof diffuser (polycarbonate)		✓										
Base		pressure die-cast aluminium				pressure die-cast aluminium			pressure die-cast aluminium			pressure die-cast aluminium
Type of protection		IP 65				IP 65 / IP 20			IP 65			IP 65 / IP 40
Dimensions [mm]		230	300	400	480	380	480	560	350	450	530	300 x 300
MultiLumen			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MultiColour			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Phase-cut		✓										
DALI		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Casambi smart+free*			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TouchDIM		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Corridor Function		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Movement sensor		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Master-Slave systeme		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bluetooth® Mesh			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Available as emergency luminaire												
More information on page		173-175				176-177			178-179			180-181

* Module, for retrofitting DALI luminaires, also available separately in the chapter on lighting management.

FLAT POLYMERO KREIS SLIM	FLAT POLYMERO KREIS	FLAT POLYMERO	FLAT POLYMERO IP 44	FLAT BASIC
PMMA / PC	PMMA / PC	PMMA / PC	PMMA / PC	3-layer opal glass matt
✓	✓	✓	✓	
metal	metal	metal	plastic	plastic
IP 40	IP 40	IP 40	IP 44 / IP 43	IP 44 / IP 43
300 360 460 515	300 360 460 515 1040	300 360 460 515 620 1040	305 420	250 300 370 420 500
✓ ✓ ✓ ✓		✓ ✓ ✓ ✓ ✓	✓ ✓	✓ ✓ ✓
✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓	✓ ✓ ✓
✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓	✓ ✓ ✓
✓ ✓		✓ ✓	✓ ✓	✓ ✓
✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓	✓ ✓
✓ ✓		✓ ✓	✓ ✓	✓ ✓
✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓		
189-190	193-195	199-203	205-206	209-210

FLAT SLIM

Everything at a glance

MultiLumen version:
2 steps adjustable luminous flux

Thanks to the switch in the luminaire the lumen output can easily be changed even after installation.

MultiLumen

MultiColour version:
Colour temperature (3000 K or 4000 K) individually adjustable switching element (round) or adjustable via jumper (square).

MultiColour

Casambi smart+ free

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Touch DIM

TouchDim offers the simple option of cost-effective and efficient light control without any additional control device.

TouchDim means the device can be operated via standard push button.

Variants with motion sensor.

Master-Slave

The luminaire with sensor (master) controls several other luminaires without sensor.

Bluetooth® Mesh

HF motion detector with integrated corridor function.

HF motion detector with **Bluetooth® interfaces** and DALI broadcast interfaces for switching, dimming and networking from individual luminaires. **Mesh sensors** create a wireless connection between each other. This allows for flexible configuration via smartphone or tablet.

Corridor Function

The corridor function allows the luminaires to be configured so that they have a residual brightness of 10% when no more movement is detected.

2 Designs

round

square



No disposable luminaire thanks to replaceable components.

Housing: pressure die-cast aluminium, powder-coated.

IP65

Due to the high IP rate of 65, the luminaire is protected against water and dust from the outside.

Plug & Play

Very easy plug-in installation.

Diffuser can be assembled without the use of tools.



4 Variants



FLAT SLIM round
Ø 230, 300, 400, 480 mm

FLAT SLIM disc
Ø 380, 480, 560 mm

FLAT SLIM step
Ø 350, 450, 530 mm

FLAT SLIM square
300 x 300 mm

5 Diffusers



FLAT SLIM round
Three layer opal glass satin finish
PC
PMMA

FLAT SLIM disc
Three layer opal glass satin finish

FLAT SLIM step
Three layer opal glass satin finish

FLAT SLIM square
Matt crystal glass
High-polish crystal glass



MultiColour | MultiLumen | DALI | Casambi smart+ free | Touch DIM | Corridor Function | Master-Slave | Bluetooth® Mesh | Plug & Play | IP65

FLAT SLIM

Ceiling and wall luminaires

ARCHITECTURE

- **Extensive:** 2 designs, 5 sizes, 3 types of installation, 5 diffusers, 3 colours.
- **Individual:** Round diffuser made of mouth-blown 3-layer opal glass (Triplex glass) with satin finish or opal plastic (PMMA/PC), square diffuser made of matt or gloss crystal glass.
- **Applicable:** Suitable for indoor and outdoor use.
- **Integrated:** Standard Gore™ Protective Vents diaphragm valve to avoid condensation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Flexible:** MultiLumen - 2-step adjustable luminous flux.
- **Variable:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.
- **Uniform:** Particularly homogeneous, soft and glare-free light thanks to the use of large size LED boards.
- **Efficient:** Versions with movement sensor.
- **Smart Lighting:** HF motion detector with DALI and Bluetooth® interfaces for switching, dimming and networking from individual luminaires up to complex light installations.

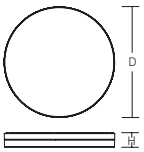
INSTALLATION

- **Easy installation:** Installation could not be easier thanks to Plug & Play.
- **Straightforward:** Diffuser can be assembled without the use of tools.
- **Advantageous:** Big terminal block; ideal for through-wiring.
- **Standard:** Suitable for through-wiring.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.

Further luminaires of this series, see:
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | FLAT SLIM round





Type of protection: **IP 65**
Protection class: I
Impact protection: IK03 (GLass), IK02 (PMMA), IK08 (Polycarbonate)

Base: pressure die-cast aluminium, powder-coated. Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Touch DIM Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
Diffuser: glass						
D 230 mm						
312132.00X */**	D 230, H 63	830	1000	12	83	Phase-cut
312132.00X.76 */***	D 230, H 63	830	1000	12	83	DALI
312132.00X.1 */**	D 230, H 63	840	1000	11	91	Phase-cut
312132.00X.1.76 */***	D 230, H 63	840	1000	13	77	DALI
D 300 mm						
312629.00X	D 300, H 70	830, 840	1250...2500	13...26	100	on/off
312629.00X.76	D 300, H 70	830, 840	1250...2500	13...26	100	DALI
312629.00X.730	D 300, H 70	830, 840	1250...2500	13...26	100	smart+free
D 400 mm						
312631.00X	D 400, H 70	830, 840	2450...4000	25...41	100	on/off
312631.00X.76	D 400, H 70	830, 840	2450...4000	25...41	100	DALI
312631.00X.730	D 400, H 70	830, 840	2450...4000	25...41	100	smart+free
D 480 mm						
312633.00X	D 480, H 70	830, 840	3350...5000	31...48	113	on/off
312633.00X.76	D 480, H 70	830, 840	3350...5000	31...48	113	DALI
312633.00X.730	D 480, H 70	830, 840	3350...5000	31...48	113	smart+free
Diffuser: plastic (PMMA)						
D 230 mm						
312135.00X */**	D 230, H 63	830	1150	12	96	Phase-cut
312135.00X.76 */***	D 230, H 63	830	1150	12	96	DALI
312135.00X.1 */**	D 230, H 63	840	1100	11	100	Phase-cut
312135.00X.1.76 */***	D 230, H 63	840	1100	13	85	DALI
D 300 mm						
312630.00X	D 300, H 70	830, 840	1300...2450	11...20	123	on/off
312630.00X.76	D 300, H 70	830, 840	1300...2450	11...20	123	DALI
312630.00X.730	D 300, H 70	830, 840	1300...2450	11...20	123	smart+free
D 400 mm						
312632.00X	D 400, H 70	830, 840	2400...4150	20...33	130	on/off
312632.00X.76	D 400, H 70	830, 840	2400...4150	20...33	130	DALI
312632.00X.730	D 400, H 70	830, 840	2400...4150	20...33	130	smart+free
D 480 mm						
312634.00X	D 480, H 70	830, 840	3450...5150	26...39	138	on/off
312634.00X.76	D 480, H 70	830, 840	3450...5150	26...39	138	DALI
312634.00X.730	D 480, H 70	830, 840	3450...5150	26...39	138	smart+free
Diffuser: plastic (polycarbonate)						
D 230 mm						
312135.00X.2 */**	D 230, H 63	830	1300	12	108	Phase-cut
312135.00X.2.76 */***	D 230, H 63	830	1300	12	108	DALI
312135.00X.3 */**	D 230, H 63	840	1300	11	118	Phase-cut
312135.00X.3.76 */***	D 230, H 63	840	1300	13	100	DALI
D 300 mm						
312630.00X.1	D 300, H 70	830, 840	1450...2450	11...18	136	on/off
312630.00X.1.76	D 300, H 70	830, 840	1450...2450	11...18	136	DALI
312630.00X.1.730	D 300, H 70	830, 840	1450...2450	11...18	136	smart+free
D 400 mm						
312632.00X.1	D 400, H 70	830, 840	2450...4100	18...29	141	on/off
312632.00X.1.76	D 400, H 70	830, 840	2450...4100	18...29	141	DALI
312632.00X.1.730	D 400, H 70	830, 840	2450...4100	18...29	141	smart+free
D 480 mm						
312634.00X.1	D 480, H 70	830, 840	3500...5150	24...35	152	on/off
312634.00X.1.76	D 480, H 70	830, 840	3500...5150	24...35	152	DALI
312634.00X.1.730	D 480, H 70	830, 840	3500...5150	24...35	152	smart+free

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 / 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 18 / 20 / 25 / 26 W ≈
2 x 26 W TC-D (68 W Psys)

LED 24 / 31 W ≈
3 x 26 W TC-D (102 W Psys)

LED 29 / 33 / 41 W ≈
4 x 26 W TC-D (136 W Psys)

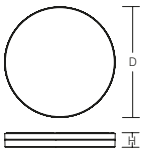
LED 35 / 39 / 48 W ≈
2 x 57 W TC-TEL (116 W Psys)





Applies to versions with .19

Ceiling and wall luminaires | FLAT SLIM round - movement sensor DALI/BT



Type of protection: **IP 65**
Protection class: I
Impact protection: IK03 (GLass), IK02 (PMMA), IK08 (Polycarbonate)

Base: pressure die-cast aluminium, powder-coated. Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz with integrated corridor function.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via app.
- Sensors can be networked via Bluetooth®.

Comparison LED vs. conventional lamps

LED 11 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 18 / 20 / 25 / 26 W ≈
2 x 26 W TC-D (68 W Psys)

LED 24 / 26 / 31 W ≈
3 x 26 W TC-D (102 W Psys)

LED 29 / 33 / 41 W ≈
4 x 26 W TC-D (136 W Psys)

LED 35 / 39 / 48 W ≈
2 x 57 W TC-TEL (116 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						**Price Category 11**
Diffuser: glass						
312629.00X.19	D 300, H 70	830, 840	1250...2500	13...26	100	Sensor
312631.00X.19	D 400, H 70	830, 840	2450...4000	25...41	100	Sensor
312633.00X.19	D 480, H 70	830, 840	3350...5000	31...48	113	Sensor
Diffuser: plastic (PMMA)						
312630.00X.19	D 300, H 70	830, 840	1300...2450	11...20	123	Sensor
312632.00X.19	D 400, H 70	830, 840	2400...4150	20...33	130	Sensor
312634.00X.19	D 480, H 70	830, 840	3450...5150	26...39	138	Sensor
Diffuser: plastic (polycarbonate)						
312630.00X.1.19	D 300, H 70	830, 840	1450...2450	11...18	136	Sensor
312632.00X.1.19	D 400, H 70	830, 840	2450...4100	18...29	141	Sensor
312634.00X.1.19	D 480, H 70	830, 840	3500...5150	24...35	152	Sensor

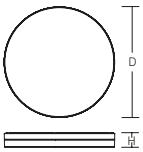
MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | FLAT SLIM round - movement sensor on/off





Type of protection: **IP 65**
Protection class: I
Impact protection: IK03 (GLass), IK02 (PMMA), IK08 (Polycarbonate)

Base: pressure die-cast aluminium, powder-coated. Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						**Price Category 11**
Diffuser: glass						
312673.00X.19	D 300, H 70	830, 840	1250...2500	13...26	100	Sensor
312675.00X.19	D 400, H 70	830, 840	2450...4000	25...41	100	Sensor
312677.00X.19	D 480, H 70	830, 840	3350...5000	31...48	113	Sensor
Diffuser: plastic (PMMA)						
312674.00X.19	D 300, H 70	830, 840	1300...2450	11...20	123	Sensor
312676.00X.19	D 400, H 70	830, 840	2400...4150	20...33	130	Sensor
312678.00X.19	D 480, H 70	830, 840	3450...5150	26...39	138	Sensor
Diffuser: plastic (polycarbonate)						
312674.00X.1.19	D 300, H 70	830, 840	1450...2450	11...18	136	Sensor
312676.00X.1.19	D 400, H 70	830, 840	2450...4100	18...29	141	Sensor
312678.00X.1.19	D 480, H 70	830, 840	3500...5150	24...35	152	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 18 / 20 / 25 / 26 W ≈
2 x 26 W TC-D (68 W Psys)

LED 24 / 26 / 31 W ≈
3 x 26 W TC-D (102 W Psys)

LED 29 / 33 / 41 W ≈
4 x 26 W TC-D (136 W Psys)

LED 35 / 39 / 48 W ≈
2 x 57 W TC-TEL (116 W Psys)

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Coverage: approx. 130° radial.
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range: 0.5-5 m radial, adjustable from 10-100%.
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.



Applies to versions with .19

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]		Lighting control
Ceiling and wall luminaires with integrated movement sensor							**Price Category 11**
Glass							
312132.00X.19 *	D 230, H 63	830	1000	12	83	Master	on/off
312132.00X.191 *	D 230, H 63	830	1000	13	77	Slave	on/off
312132.00X.1.19 *	D 230, H 63	840	1000	12	83	Master	on/off
312132.00X.1.191 *	D 230, H 63	840	1000	13	77	Slave	on/off
Diffuser: plastic (PMMA)							
312135.00X.19 *	D 230, H 63	830	1150	12	96	Master	on/off
312135.00X.191 *	D 230, H 63	830	1150	13	88	Slave	on/off
312135.00X.1.19 *	D 230, H 63	840	1100	12	92	Master	on/off
312135.00X.1.191 *	D 230, H 63	840	1100	13	85	Slave	on/off
Diffuser: plastic (polycarbonate)							
312135.00X.2.19 *	D 230, H 63	830	1300	12	108	Master	on/off
312135.00X.2.191 *	D 230, H 63	830	1300	13	100	Slave	on/off
312135.00X.3.19 *	D 230, H 63	840	1300	12	108	Master	on/off
312135.00X.3.191 *	D 230, H 63	840	1300	13	100	Slave	on/off

* With mains voltage LED

Comparison LED vs. conventional lamps

LED 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

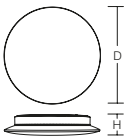
LED 24 / 25 W ≈
2 x 26 W TC-D (68 W Psys)

LED 30 W ≈
3 x 26 W TC-D (102 W Psys)

LED 41 W ≈
4 x 26 W TC-D (136 W Psys)

LED 44 W ≈
2 x 57 W TC-TEL (116 W Psys)

Ceiling and wall luminaires | FLAT SLIM disc



Type of protection: IP 20 (D 560 mm), **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
D 380 mm						
312638.00X	D 380, H 70	830, 840	1150...2500	11...24	105	on/off
312638.00X.76	D 380, H 70	830, 840	1150...2500	11...24	105	DALI
312638.00X.730	D 380, H 70	830, 840	1150...2500	11...24	105	smart+free
D 480 mm						
312639.00X	D 480, H 70	830, 840	2450...4000	25...41	100	on/off
312639.00X.76	D 480, H 70	830, 840	2450...4000	25...41	100	DALI
312639.00X.730	D 480, H 70	830, 840	2450...4000	25...41	100	smart+free
D 560 mm						
312640.00X	D 560, H 70	830, 840	3500...5150	30...44	120	on/off
312640.00X.76	D 560, H 70	830, 840	3500...5150	30...44	120	DALI
312640.00X.730	D 560, H 70	830, 840	3500...5150	30...44	120	smart+free

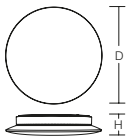
MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | FLAT SLIM disc - movement sensor DALI/BT





Type of protection: IP 20 (D 560 mm), **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver



Applies to versions with .19



Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz with integrated corridor function.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via app.
- Sensors can be networked via Bluetooth®.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						**Price Category 11**
312638.00X.19	D 380, H 70	830, 840	1150...2500	11...24	105	Sensor
312639.00X.19	D 480, H 70	830, 840	2450...4000	25...41	100	Sensor
312640.00X.19	D 560, H 70	830, 840	3500...5150	30...44	120	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

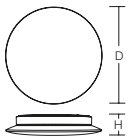
LED 24 / 25 W ≈
2 x 26 W TC-D (68 W Psys)

LED 30 W ≈
3 x 26 W TC-D (102 W Psys)

LED 41 W ≈
4 x 26 W TC-D (136 W Psys)

LED 44 W ≈
2 x 57 W TC-TEL (116 W Psys)

Ceiling and wall luminaires | FLAT SLIM disc - movement sensor on/off





Type of protection: IP 20 (D 560 mm), **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver



Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						**Price Category 11**
312682.00X.19	D 380, H 70	830, 840	1150...2500	11...24	105	Sensor
312683.00X.19	D 480, H 70	830, 840	2450...4000	25...41	100	Sensor
312684.00X.19	D 560, H 70	830, 840	3500...5150	30...44	120	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

LED 24 / 25 W ≈
2 x 26 W TC-D (68 W Psys)

LED 30 W ≈
3 x 26 W TC-D (102 W Psys)

LED 41 W ≈
4 x 26 W TC-D (136 W Psys)

LED 44 W ≈
2 x 57 W TC-TEL (116 W Psys)



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

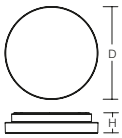
LED 22 / 24 W ≈
2 x 26 W TC-D (68 W Psys)

LED 28 W ≈
3 x 26 W TC-D (102 W Psys)

LED 38 W ≈
4 x 26 W TC-D (136 W Psys)

LED 40 W ≈
2 x 57 W TC-TEL (116 W Psys)

Ceiling and wall luminaires | FLAT SLIM step



Type of protection: **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
D 350 mm						
312635.00X	D 350, H 70	830, 840	1200...2500	11...22	114	on/off
312635.00X.76	D 350, H 70	830, 840	1200...2500	11...22	114	DALI
312635.00X.730	D 350, H 70	830, 840	1200...2500	11...22	114	smart+free
D 450 mm						
312636.00X	D 450, H 70	830, 840	2450...4150	24...38	109	on/off
312636.00X.76	D 450, H 70	830, 840	2450...4150	24...38	109	DALI
312636.00X.730	D 450, H 70	830, 840	2450...4150	24...38	109	smart+free
D 530 mm						
312637.00X	D 530, H 70	830, 840	3500...5000	28...40	129	on/off
312637.00X.76	D 530, H 70	830, 840	3500...5000	28...40	129	DALI
312637.00X.730	D 530, H 70	830, 840	3500...5000	28...40	129	smart+free

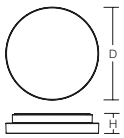
MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | FLAT SLIM step - movement sensor DALI/BT





Type of protection: **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz with integrated corridor function.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via app.
- Sensors can be networked via Bluetooth®.

Applies to versions with .19

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						**Price Category 11**
312635.00X.19	D 350, H 70	830, 840	1200...2500	11...22	114	Sensor
312636.00X.19	D 450, H 70	830, 840	2450...4150	24...38	109	Sensor
312637.00X.19	D 530, H 70	830, 840	3500...5000	28...40	129	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

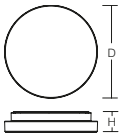
LED 22 / 24 W ≈
2 x 26 W TC-D (68 W Psys)

LED 28 W ≈
3 x 26 W TC-D (102 W Psys)

LED 38 W ≈
4 x 26 W TC-D (136 W Psys)

LED 40 W ≈
2 x 57 W TC-TEL (116 W Psys)

Ceiling and wall luminaires | FLAT SLIM step - movement sensor on/off





Type of protection: **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						**Price Category 11**
312679.00X.19	D 350, H 70	830, 840	1200...2500	11...22	114	Sensor
312680.00X.19	D 450, H 70	830, 840	2450...4150	24...38	109	Sensor
312681.00X.19	D 530, H 70	830, 840	3500...5000	28...40	129	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

LED 22 / 24 W ≈
2 x 26 W TC-D (68 W Psys)

LED 28 W ≈
3 x 26 W TC-D (102 W Psys)

LED 38 W ≈
4 x 26 W TC-D (136 W Psys)

LED 40 W ≈
2 x 57 W TC-TEL (116 W Psys)



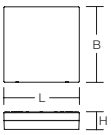
Touch DIM Applies to versions with .76

Comparison
LED vs. conventional lamps

LED 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 19 / 21 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT SLIM square



Type of protection: **IP 65** wall mounting, **IP 40** ceiling mounting
Protection class: I
Impact protection: IK07

Base: pressure die-cast aluminium, powder-coated. Diffuser: matt or high-polish crystal glass, painted inside, with fixing device. Diffuser with frame made of pressure die-cast aluminium, powder-coated, bonded. Diffuser attached with clip system. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 4000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
Diffuser: high-polish crystal glass						
312538.00X	L 300, B 300, H 67	830, 840	1250...2200	12...19	116	on/off
312538.00X.76	L 300, B 300, H 67	830, 840	1300...2300	13...21	110	DALI
312538.00X.730	L 300, B 300, H 67	830, 840	1300...2300	13...21	110	smart+free
Diffuser: matt crystal glass						
312537.00X	L 300, B 300, H 67	830, 840	1300...2300	12...19	121	on/off
312537.00X.76	L 300, B 300, H 67	830, 840	1350...2400	13...21	114	DALI
312537.00X.730	L 300, B 300, H 67	830, 840	1350...2400	13...21	114	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.


Diffuser: high-polish crystal glass


Diffuser: matt crystal glass



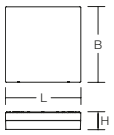






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | FLAT SLIM square - movement sensor DALI/BT





Type of protection: **IP 65** wall mounting, **IP 40** ceiling mounting
Protection class: I
Impact protection: IK07

Base: pressure die-cast aluminium, powder-coated. Diffuser: matt or high-polish crystal glass, painted inside, with fixing device. Diffuser with frame made of pressure die-cast aluminium, powder-coated, bonded. Diffuser attached with clip system. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 4000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver



Applies to versions with .19



Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz with integrated corridor function.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via app.
- Sensors can be networked via Bluetooth®.

Comparison LED vs. conventional lamps

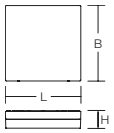
LED 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 21 W ≈
2 x 26 W TC-D (68 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated HF movement sensor						**Price Category 11**
Diffuser: high-polish crystal glass						
312669.00X.19	L 300, B 300, H 67	830, 840	1300...2300	13...21	110	Sensor
Diffuser: matt crystal glass						
312671.00X.19	L 300, B 300, H 67	830, 840	1350...2400	13...21	114	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Ceiling and wall luminaires | FLAT SLIM square - movement sensor on/off





Type of protection: **IP 65** wall mounting, **IP 40** ceiling mounting
Protection class: I
Impact protection: IK07

Base: pressure die-cast aluminium, powder-coated. Diffuser: matt or high-polish crystal glass, painted inside, with fixing device. Diffuser with frame made of pressure die-cast aluminium, powder-coated, bonded. Diffuser attached with clip system. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 4000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver



Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Comparison LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 21 W ≈
2 x 26 W TC-D (68 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated HF movement sensor						**Price Category 11**
Diffuser: high-polish crystal glass						
312665.00X.19	L 300, B 300, H 67	830, 840	1300...2300	13...21	110	Sensor
Diffuser: matt crystal glass						
312667.00X.19	L 300, B 300, H 67	830, 840	1350...2400	13...21	114	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



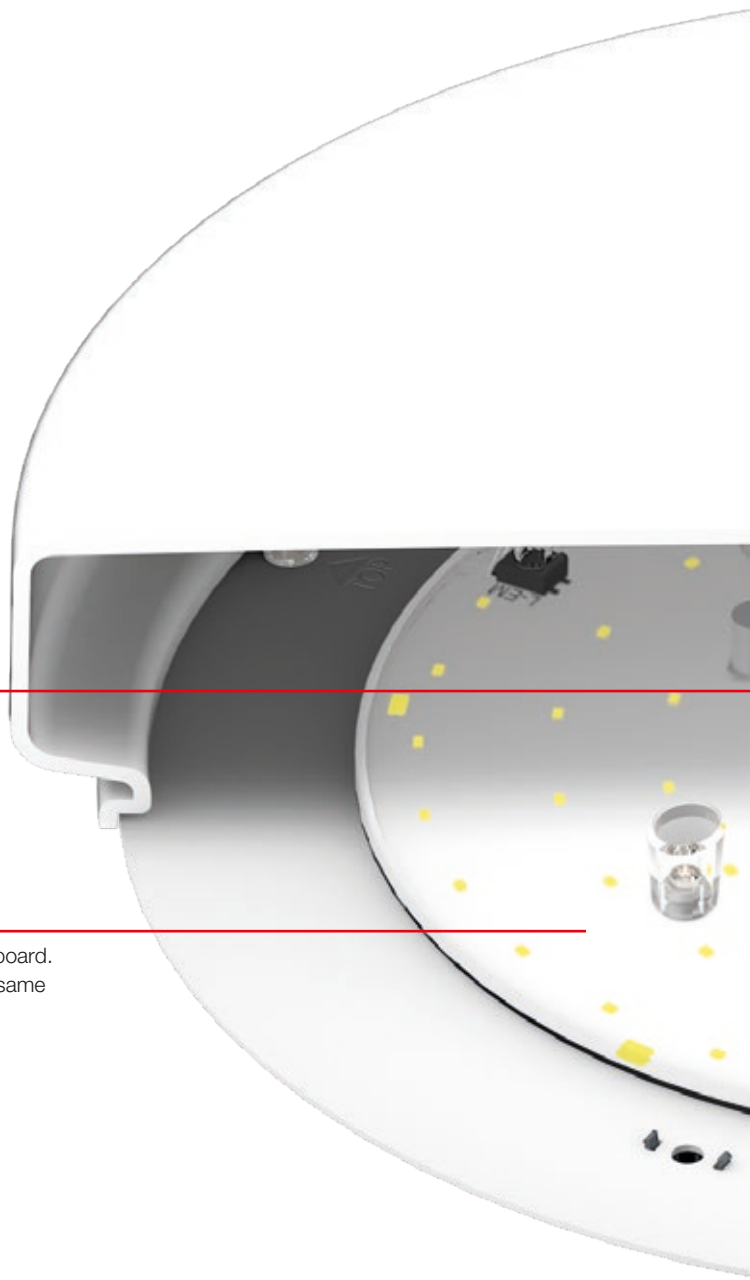


© shutterstock

The application image shows:
FLAT SLIM square

FLAT POLYMERO® KREIS SLIM | FLAT POLYMERO® KREIS | FLAT POLYMERO® | FLAT POLYMERO® IP 44

Everything at a glance



Master-Slave

Corridor Function

The movement sensor with daylight sensor integrated on the board regulates the lighting according to individual settings. Thanks to the Corridor function, light is switched on only when it is really needed.

The touch protection (cover) forms a single unit with the LED board. This ensures the required safety during installation and at the same time protects the LED board against dirt and damage.

Corridor Function

Corridor Function

The Corridor function allows the luminaires to be configured so that they maintain a residual brightness of 10% if no movement is detected. This is recommended for applications without any ambient light, especially in corridors or stairwells without any daylight.

You can choose from the following operation scenarios:

Option 0 (factory setting):
100 % (hold time) -> 10 % (10s) residual brightness -> 0 %.

Option 1:
100 % (hold time) -> 10 % residual brightness (permanently until further movement detection).

Option 2:
100 % (hold time) -> 10 % (Xs*) residual brightness -> 0 %.

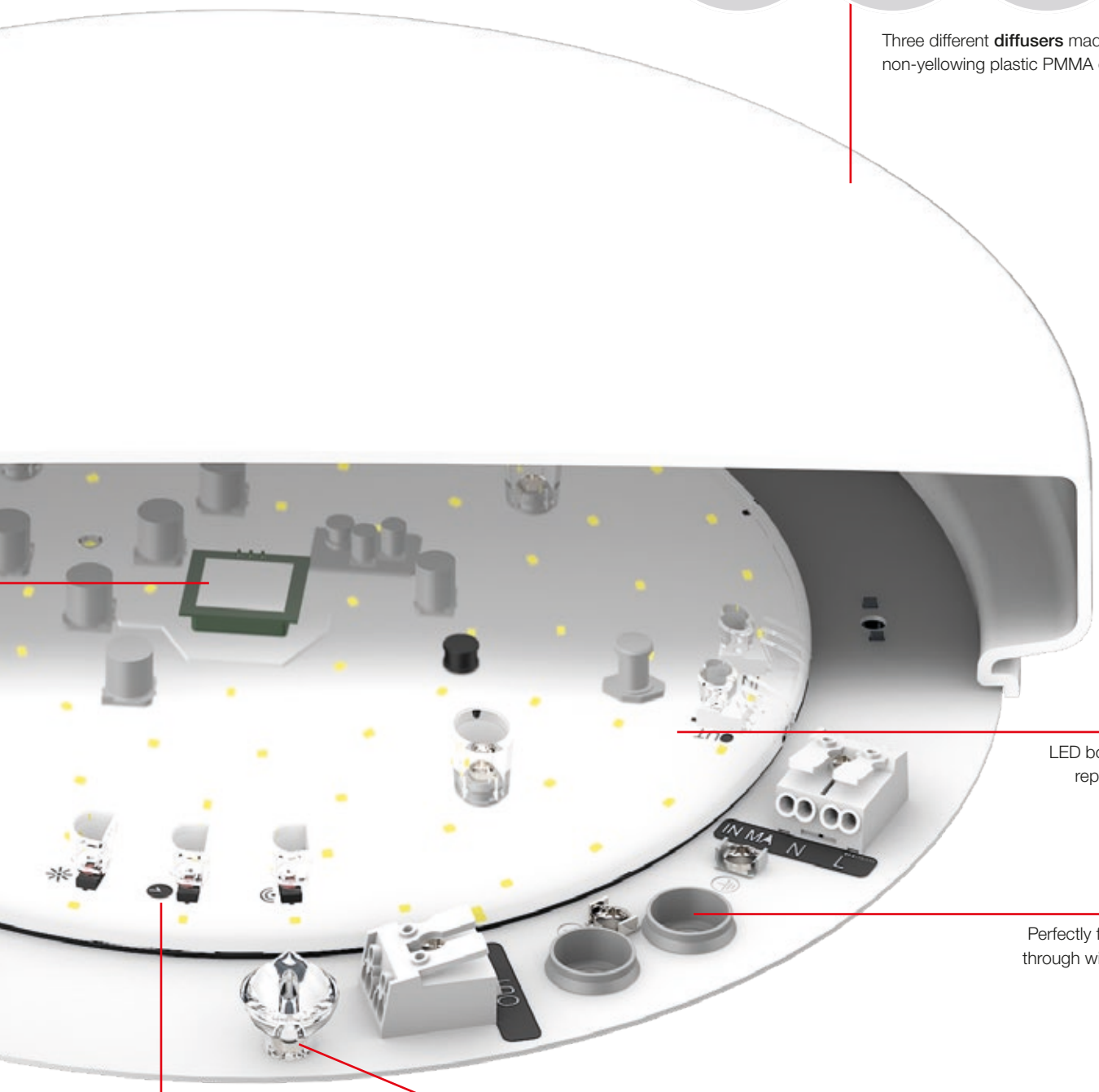
*Xs = 1 s, 10 s, 30 s, 60 s, 3 min, 5 min, 10 min, 15 min

Touch DIM

TouchDim

TouchDim offers the simple option of cost-effective and efficient light control without any additional control device. TouchDim means the device can be operated via standard push button, whilst control is taken over by the DALI board.

Three different **diffusers** made of non-yellowing plastic PMMA or PC.



LED board can be easily replaced at any time.

Perfectly fit for through wiring.

Thanks to the patented fastening technology the fitting can be opened and closed without any tools at any time.

Easy adjustment of the following functions via three push button switches:

A Detection range 0.5 - 5 m radial (10 to 100 % adjustable).

H Hold time 1s up to 15 min (in 8 different levels).

L Daylight detection with 5 brightness levels and learning mode.

FLAT POLYMERO® KREIS

Everything at a glance



Diffusers made of non-yellowing PMMA plastic or shockproof PC.

FLAT POLYMERO® KREIS SLIM

Type of Protection: IP 40.

D 300 mm
H 65 mm

D 360 mm
H 65 mm

D 460 mm
H 70 mm

D 515 mm
H 70 mm

FLAT POLYMERO® KREIS

Type of Protection: IP 40.

D 300 mm
H 80 mm

D 360 mm
H 87 mm

D 460 mm
H 93 mm

D 515 mm
H 98 mm

FLAT POLYMERO® KREIS XXL

Type of Protection: IP 40.



D 1040 mm
H 150 mm

PMMA diffuser

RZB offers more than standard PMMA

PMMA also known as Plexiglas®:
- Robust and scratch-resistant - substitute for glass
- Transparency and shade similar to opal glass
- UV resistant (colour-true; no yellowing)
- Completely weathering resistant
- For 0-90 °C operating temperatures
- 92 percent light transmission (for 1 mm-thick Plexiglas®)
- Can be cleaned with tap water, soft soap or a pH neutral cleaning agent
- Can be disposed of without residual waste

PC diffuser

RZB offers more than standard polycarbonate

High quality UV stabilized plastic - PC:
- Hard, stiff, shockproof, extremely high impact strength
- Transparency and shade similar to opal glass
- UV stabilized
- Largely weathering resistant
- Can be used at ambient temperatures ranging from -40° to +135°C
- 88 percent light transmission (for 1 mm-thick material)
- Can be cleaned with tap water



Phase-cut | DALI | Touch DIM | Master-Slave | Corridor Function | IP40 | IK10

FLAT POLYMERO® KREIS SLIM

Ceiling and wall luminaires

ARCHITECTURE

- **Versatile:** 4 sizes, 3 types of installation, 2 diffusers.
- **Long service life:** Diffuser made of non-yellowing PMMA or impact resistant PC.
- **Safe:** Also available as an emergency luminaire in accordance with EN 60598-2-22.

LIGHTING DESIGN

- **Uniform:** Homogeneous and smooth light distribution.
- **Dynamic**: Versions with integrated movement sensor. Master/slave circuit possible.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

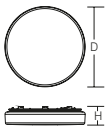
INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Patented fastening system for opening the luminaire(s) without tools.
- **Variable:** Surface-mounted and suspended luminaires.
- **Standard:** Suitable for through-wiring.

Further luminaires of this series, see:
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | FLAT POLYMERO KREIS SLIM



Type of protection: **IP 40**
Protection class: I
Impact protection: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control	
Ceiling and wall luminaires							**Price Category 11**
Diffuser: plastic (PMMA)							
Diameter D 300 mm							
312084.002.1 */**	D 300, H 65	830	1300	12	108	Phase-cut	✓
312084.002.1.76 */***	D 300, H 65	830	1200	12	100	DALI	
312084.002.3 */**	D 300, H 65	840	1300	11	118	Phase-cut	✓
312084.002.3.76 */***	D 300, H 65	840	1250	11	114	DALI	
Diameter D 360 mm							
312085.002.1 */**	D 360, H 65	830	1900	19	100	Phase-cut	✓
312085.002.1.76 */***	D 360, H 65	830	1900	19	100	DALI	
312085.002.3 */**	D 360, H 65	840	2000	19	105	Phase-cut	✓
312085.002.3.76 */***	D 360, H 65	840	2100	19	111	DALI	
Diameter D 460 mm							
312240.002.1 */**	D 460, H 70	830	2600	24	108	Phase-cut	✓
312240.002.1.76 */***	D 460, H 70	830	3050	32	95	DALI	
312240.002.3 */**	D 460, H 70	840	2750	24	115	Phase-cut	✓
312240.002.3.76 */***	D 460, H 70	840	3200	31	103	DALI	
Diameter D 515 mm							
312087.002.1 */**	D 515, H 70	830	3100	29	107	Phase-cut	✓
312087.002.1.76 */***	D 515, H 70	830	3700	40	93	DALI	
312087.002.3 */**	D 515, H 70	840	3400	28	121	Phase-cut	✓
312087.002.3.76 */***	D 515, H 70	840	3700	38	97	DALI	
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
312084.002.2 */**	D 300, H 65	830	1300	12	108	Phase-cut	
312084.002.2.76 */***	D 300, H 65	830	1300	12	108	DALI	
312084.002.4 */**	D 300, H 65	840	1300	11	118	Phase-cut	
312084.002.4.76 */***	D 300, H 65	840	1300	13	100	DALI	
Diameter D 360 mm							
312085.002.2 */**	D 360, H 65	830	2000	19	105	Phase-cut	
312085.002.2.76 */***	D 360, H 65	830	2000	19	105	DALI	
312085.002.4 */**	D 360, H 65	840	2050	19	108	Phase-cut	
312085.002.4.76 */***	D 360, H 65	840	2150	19	113	DALI	
Diameter D 460 mm							
312240.002.2 */**	D 460, H 70	830	2850	24	119	Phase-cut	
312240.002.2.76 */***	D 460, H 70	830	3350	32	105	DALI	
312240.002.4 */**	D 460, H 70	840	3000	24	125	Phase-cut	
312240.002.4.76 */***	D 460, H 70	840	3500	31	113	DALI	
Diameter D 515 mm							
312087.002.2 */**	D 515, H 70	830	3400	29	117	Phase-cut	
312087.002.2.76 */***	D 515, H 70	830	4050	40	101	DALI	
312087.002.4 */**	D 515, H 70	840	3500	28	125	Phase-cut	
312087.002.4.76 */***	D 515, H 70	840	4150	38	109	DALI	

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)

Touch DIM Applies to versions with .76

Comparison LED vs. conventional lamps

LED 11 / 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

LED 24 W ≈
3 x 26 W TC-D (102 W Psys)

LED 28 / 29 / 31 / 32 / 38 / 40 W ≈
4 x 26 W TC-D (136 W Psys)

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

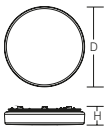
Applies to versions with .19

Comparison LED vs. conventional lamps

LED 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 19 / 20 / 21 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT POLYMERO KREIS SLIM - movement sensor



Type of protection: **IP 40**
Protection class: I
Impact protection: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Coverage: approx. 130° radial.
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range: 0.5-5 m radial, adjustable from 10-100%.
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]		Lighting control
Ceiling and wall luminaires with integrated movement sensor							**Price Category 11**
Diffuser: plastic (PMMA)							
Diameter D 300 mm							
312084.002.1.191 *	D 300, H 65	830	1250	12	104	Slave	on/off
312084.002.1.19 *	D 300, H 65	830	1150	12	96	Master	on/off
312084.002.3.191 *	D 300, H 65	840	1250	12	104	Slave	on/off
312084.002.3.19 *	D 300, H 65	840	1150	12	96	Master	on/off
Diameter D 360 mm							
312085.002.1.191 *	D 360, H 65	830	1900	20	95	Slave	on/off
312085.002.1.19 *	D 360, H 65	830	1900	20	95	Master	on/off
312085.002.3.191 *	D 360, H 65	840	2000	21	95	Slave	on/off
312085.002.3.19 *	D 360, H 65	840	2000	19	105	Master	on/off
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
312084.002.2.191 *	D 300, H 65	830	1300	13	100	Slave	on/off
312084.002.2.19 *	D 300, H 65	830	1300	12	108	Master	on/off
312084.002.4.191 *	D 300, H 65	840	1300	13	100	Slave	on/off
312084.002.4.19 *	D 300, H 65	840	1300	12	108	Master	on/off
Diameter D 360 mm							
312085.002.2.191 *	D 360, H 65	830	2000	20	100	Slave	on/off
312085.002.2.19 *	D 360, H 65	830	2000	20	100	Master	on/off
312085.002.4.191 *	D 360, H 65	840	2050	21	98	Slave	on/off
312085.002.4.19 *	D 360, H 65	840	2050	19	108	Master	on/off

* With mains voltage LED

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



© Simon Menges

The application image shows:
FLAT POLYMERO KREIS SLIM



DALI | Touch DIM | IP40 | IK10

FLAT POLYMERO® KREIS

Ceiling and wall luminaires

ARCHITECTURE

- **Versatile:** 5 sizes, 3 types of installation, 2 diffusers.
- **Long service life:** Diffuser made of non-yellowing PMMA or impact resistant PC.
- **Safe:** Also available as an emergency luminaire in accordance with EN 60598-2-22.
- **Individual:** Individual design possible with foil print.

LIGHTING DESIGN

- **Uniform:** Homogeneous and smooth light distribution.
- **Dynamic**: Versions with integrated movement sensor. Master/slave circuit possible.
- **Sustainable:** Not a disposable luminaire thanks to replaceable components.

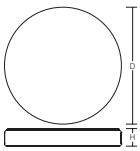
INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Patented fastening system for opening the luminaire(s) without tools.
- **Variable:** Surface-mounted and suspended luminaires.
- **Standard:** Suitable for through-wiring.

Further luminaires of this series, see:
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | FLAT POLYMERO KREIS XXL





Type of protection: **IP 40**
Protection class: I
Impact protection: IK07 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: sash lock.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 21**
Diffuser: plastic (PMMA) D 1040 mm						
311695.002.76	D 1040, H 150	830	9600	100	96	DALI
311695.002.1.76	D 1040, H 150	840	10400	100	104	DALI
Diffuser: plastic (polycarbonate) D 1040 mm						
311695.002.2.76	D 1040, H 150	830	10400	100	104	DALI
311695.002.3.76	D 1040, H 150	840	11300	100	113	DALI

Comparison
LED vs. conventional lamps

LED 100 W ≈
4 x 55 W TC-L (232 W Psys)



© Linus Lintner

The application image shows:
FLAT POLYMERO KREIS
LESS IS MORE 27

Applies to versions with .76

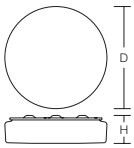
Comparison LED vs. conventional lamps

LED 14 W ≈
2 x 18 W TC-D (52 W Psys)

LED 19 W ≈
3 x 18 W TC-D (78 W Psys)

LED 24 W ≈
4 x 18 W TC-D (104 W Psys)

Ceiling and wall luminaires | FLAT POLYMERO KREIS



Type of protection: **IP 40**
Protection class: I
Impact protection: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white

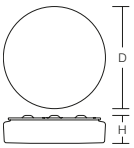
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control	
Ceiling and wall luminaires							**Price Category 11**
Diffuser: plastic (PMMA)							
Diameter D 300 mm							
311620.002.7	D 300, H 80	830	1500	14	107	on/off	✓
311620.002.7.76	D 300, H 80	830	1500	14	107	DALI	
311620.002.5	D 300, H 80	840	1500	14	107	on/off	✓
311620.002.5.76	D 300, H 80	840	1500	14	107	DALI	
Diameter D 360 mm							
311610.002.7	D 360, H 87	830	1600	14	114	on/off	✓
311610.002.7.76	D 360, H 87	830	1600	14	114	DALI	
311610.002.5	D 360, H 87	840	1600	14	114	on/off	✓
311610.002.5.76	D 360, H 87	840	1600	14	114	DALI	
Diameter D 460 mm							
311611.002.7	D 460, H 93	830	2050	19	108	on/off	✓
311611.002.7.76	D 460, H 93	830	2050	19	108	DALI	
311611.002.5	D 460, H 93	840	2050	19	108	on/off	✓
311611.002.5.76	D 460, H 93	840	2050	19	108	DALI	
Diameter D 515 mm							
311613.002.7	D 515, H 98	830	2550	24	106	on/off	✓
311613.002.7.76	D 515, H 98	830	2550	24	106	DALI	
311613.002.5	D 515, H 98	840	2550	24	106	on/off	✓
311613.002.5.76	D 515, H 98	840	2550	24	106	DALI	
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
311620.002.8	D 300, H 80	830	1550	14	111	on/off	✓
311620.002.8.76	D 300, H 80	830	1550	14	111	DALI	
311620.002.6	D 300, H 80	840	1550	14	111	on/off	✓
311620.002.6.76	D 300, H 80	840	1550	14	111	DALI	
Diameter D 360 mm							
311610.002.8	D 360, H 87	830	1650	14	118	on/off	✓
311610.002.8.76	D 360, H 87	830	1650	14	118	DALI	
311610.002.6	D 360, H 87	840	1650	14	118	on/off	✓
311610.002.6.76	D 360, H 87	840	1650	14	118	DALI	
Diameter D 460 mm							
311611.002.8	D 460, H 93	830	2100	19	111	on/off	✓
311611.002.8.76	D 460, H 93	830	2100	19	111	DALI	
311611.002.6	D 460, H 93	840	2100	19	111	on/off	✓
311611.002.6.76	D 460, H 93	840	2100	19	111	DALI	
Diameter D 515 mm							
311613.002.8	D 515, H 98	830	2650	24	110	on/off	✓
311613.002.8.76	D 515, H 98	830	2650	24	110	DALI	
311613.002.6	D 515, H 98	840	2650	24	110	on/off	✓
311613.002.6.76	D 515, H 98	840	2650	24	110	DALI	

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | FLAT POLYMERO KREIS - movement sensor



Type of protection: **IP 40**
Protection class: I
Impact protection: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white

Functional parameters of the movement sensor installed on a ceiling at a height of max. 4 m or on a wall at a height of max. 2.7 m:

- HF detector 5.8 GHz ISM frequency band
- Sensitivity/Range: 1-8 m in diameter, adjustable from 20-100%.
- Time control between 10 seconds and 30 minutes, adjustable
- Coverage: 120°.
- Can be used as master luminaire up to 800 W (ohmic load), 500 W (fluorescent lamp, LED) / 400 A, 200 µs
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements

Movement sensor luminaires are not compatible with AC movement sensor luminaires with 24 GHz technology (Master / Slave).

Comparison LED vs. conventional lamps

LED 14 W ≈
2 x 18 W TC-D (52 W Psys)

LED 19 W ≈
3 x 18 W TC-D (78 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control	
Ceiling and wall luminaires with integrated movement sensor							**Price Category 11**
Diffuser: plastic (PMMA)							
Diameter D 300 mm							
311620.002.7.19	D 300, H 80	830	1500	14	107	on/off	
311620.002.5.19	D 300, H 80	840	1500	14	107	on/off	
Diameter D 360 mm							
311610.002.7.19	D 360, H 87	830	1600	14	114	on/off	✓
311610.002.5.19	D 360, H 87	840	1600	14	114	on/off	✓
Diameter D 460 mm							
311611.002.7.19	D 460, H 93	830	2050	19	108	on/off	✓
311611.002.5.19	D 460, H 93	840	2050	19	108	on/off	✓
Diameter D 515 mm							
311612.002.7.19	D 515, H 98	830	2100	19	111	on/off	
311612.002.5.19	D 515, H 98	840	2100	19	111	on/off	
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
311620.002.8.19	D 300, H 80	830	1550	14	111	on/off	
311620.002.6.19	D 300, H 80	840	1550	14	111	on/off	
Diameter D 360 mm							
311610.002.8.19	D 360, H 87	830	1650	14	118	on/off	✓
311610.002.6.19	D 360, H 87	840	1650	14	118	on/off	✓
Diameter D 460 mm							
311611.002.8.19	D 460, H 93	830	2100	19	111	on/off	✓
311611.002.6.19	D 460, H 93	840	2100	19	111	on/off	✓
Diameter D 515 mm							
311612.002.8.19	D 515, H 98	830	2150	19	113	on/off	
311612.002.6.19	D 515, H 98	840	2150	19	113	on/off	

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

FLAT POLYMERO®

Everything at a glance

Diffusers made of non-yellowing PMMA plastic or shockproof PC.

FLAT POLYMERO®

Type of Protection: IP 40.

D 300 mm
H 100 mm

D 360 mm
H 100 mm

D 460 mm
H 120 mm

D 515 mm
H 150 mm

D 620 mm
H 160 mm

FLAT POLYMERO® IP 44

Type of Protection: IP 43 ceiling mounting.
IP 44 wall mounting.

Also for E27.

D 305 mm
H 115 mm

D 420 mm
H 150 mm

FLAT POLYMERO® XXL

Type of Protection: IP 40.



D 1040 mm
H 230 mm

PMMA diffuser

RZB offers more than standard PMMA.

PMMA also known as Plexiglas®:
- Robust and scratch-resistant - substitute for glass
- Transparency and shade similar to opal glass
- UV resistant (colour-true; no yellowing)
- Completely weathering resistant
- For 0–90 °C operating temperatures
- 92 percent light transmission (for 1 mm-thick Plexiglas®)
- Can be cleaned with tap water, soft soap or a pH neutral cleaning agent
- Can be disposed of without residual waste

PC diffuser

RZB offers more than standard polycarbonate.

High quality UV stabilized plastic - PC:
- Hard, stiff, shockproof, extremely high impact strength
- Transparency and shade similar to opal glass
- UV stabilized
- Largely weathering resistant
- Can be used at ambient temperatures ranging from -40° to +135°C
- 88 percent light transmission (for 1 mm-thick material)
- Can be cleaned with tap water

Phase-cut | DALI | Touch DIM | Master-Slave | Corridor Function | IP40 | IK10

FLAT POLYMERO®

Ceiling and wall luminaires

ARCHITECTURE

- **Versatile:** 6 sizes, 3 types of installation, 2 diffusers.
- **Long service life:** Diffuser made of non-yellowing PMMA or impact resistant PC.
- **Safe:** Also available as an emergency luminaire in accordance with EN 60598-2-22.
- **Individual:** Numerous customized solutions are available on demand.

LIGHTING DESIGN

- **Uniform:** Homogeneous and smooth light distribution.
- **Dynamic**: Versions with integrated movement sensor. Master/slave circuit possible.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Patented fastening system for opening the luminaire(s) without tools.
- **Variable:** Surface-mounted and suspended luminaires.
- **Standard:** Suitable for through-wiring.

Further luminaires of this series, see:
Indoor lighting | Pendant luminaires

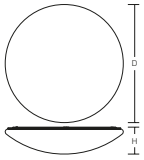
Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | FLAT POLYMERO XXL

Type of protection: **IP 40**
Protection class: I
Impact protection: IK07 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: sash lock.

Available colour: 2 = white





Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 21**
Diffuser: plastic (PMMA) D 1040 mm						
311694.002.76	D 1040, H 230	830	9450	100	95	DALI
311694.002.1.76	D 1040, H 230	840	10300	100	103	DALI
Diffuser: plastic (polycarbonate) D 1040 mm						
311694.002.2.76	D 1040, H 230	830	10000	100	100	DALI
311694.002.3.76	D 1040, H 230	840	10900	100	109	DALI

Comparison
LED vs. conventional lamps

LED 100 W ≈
4 x 55 W TC-L (232 W Psys)



© Linus Lintner

The application image shows:
FLAT POLYMERO XXL
FLAT POLYMERO

Applies to versions with .76

Comparison LED vs. conventional lamps

LED 10 / 11 / 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 14 W ≈
2 x 18 W TC-D (52 W Psys)

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

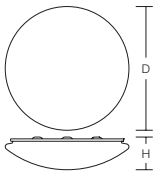
LED 24 / 32 W ≈
3 x 26 W TC-D (136 W Psys)

Ceiling and wall luminaires | FLAT POLYMERO - plastic (PMMA)

Type of protection: **IP 40**
Protection class: I
Impact protection: IK03

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal.
Diffuser fastening: patented push system.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control	
Ceiling and wall luminaires							**Price Category 11**
Diffuser: plastic (PMMA)							
Diameter D 300 mm							
311626.002.7	D 300, H 100	830	1050	10	105	on/off	
311626.002.7.76 ****	D 300, H 100	830	1050	10	105	DALI	
311626.002.5	D 300, H 100	840	1050	10	105	on/off	
311626.002.5.76 ****	D 300, H 100	840	1050	10	105	DALI	
311943.002.1 */**	D 300, H 100	830	1150	12	96	Phase-cut	✓
311943.002.1.76 */***	D 300, H 100	830	1150	12	96	DALI	
311943.002.3 */**	D 300, H 100	840	1200	11	109	Phase-cut	✓
311943.002.3.76 */***	D 300, H 100	840	1200	13	92	DALI	
311627.002.7	D 300, H 100	830	1450	14	104	on/off	✓
311627.002.7.76	D 300, H 100	830	1450	14	104	DALI	
311627.002.5	D 300, H 100	840	1450	14	104	on/off	✓
311627.002.5.76	D 300, H 100	840	1450	14	104	DALI	
Diameter D 360 mm							
311945.002.1 */**	D 360, H 100	830	1150	12	96	Phase-cut	✓
311945.002.1.76 */***	D 360, H 100	830	1150	12	96	DALI	
311945.002.3 */**	D 360, H 100	840	1200	11	109	Phase-cut	✓
311945.002.3.76 */***	D 360, H 100	840	1200	13	92	DALI	
311523.002.7 .Q	D 360, H 100	830	1450	14	104	on/off	✓
311523.002.7.76	D 360, H 100	830	1450	14	104	DALI	
311523.002.5 .Q	D 360, H 100	840	1450	14	104	on/off	✓
311523.002.5.76	D 360, H 100	840	1450	14	104	DALI	
311946.002.1 */**	D 360, H 100	830	2000	19	105	Phase-cut	✓
311946.002.1.76 */***	D 360, H 100	830	2050	19	108	DALI	
311946.002.3 */**	D 360, H 100	840	2150	19	113	Phase-cut	✓
311946.002.3.76 */***	D 360, H 100	840	2200	19	116	DALI	
Diameter D 460 mm							
311518.002.7	D 460, H 120	830	2100	19	111	on/off	✓
311518.002.7.76	D 460, H 120	830	2100	19	111	DALI	
311518.002.5	D 460, H 120	840	2100	19	111	on/off	✓
311518.002.5.76	D 460, H 120	840	2100	19	111	DALI	
311947.002.1 */**	D 460, H 120	830	1950	19	103	Phase-cut	✓
311947.002.1.76 */***	D 460, H 120	830	1950	19	103	DALI	
311947.002.3 */**	D 460, H 120	840	2050	19	108	Phase-cut	✓
311947.002.3.76 */***	D 460, H 120	840	2150	19	113	DALI	
312244.002.1 */**	D 460, H 120	830	2650	24	110	Phase-cut	✓
312244.002.1.76 */***	D 460, H 120	830	3200	32	100	DALI	
312244.002.3 */**	D 460, H 120	840	2850	24	119	Phase-cut	✓
312244.002.3.76 */***	D 460, H 120	840	3350	31	108	DALI	
Diameter D 515 mm							
311555.002.7	D 515, H 150	830	2600	24	108	on/off	✓
311555.002.7.76	D 515, H 150	830	2600	24	108	DALI	
311555.002.5	D 515, H 150	840	2600	24	108	on/off	✓
311555.002.5.76	D 515, H 150	840	2600	24	108	DALI	
312092.002.1 */**	D 515, H 150	830	3350	28	120	Phase-cut	
312092.002.1.76 */***	D 515, H 150	830	3800	40	95	DALI	
312092.002.3 */**	D 515, H 150	840	3650	28	130	Phase-cut	
312092.002.3.76 */***	D 515, H 150	840	3800	38	100	DALI	
Diameter D 620 mm							
312096.002.1 */**	D 620, H 160	830	3200	29	110	Phase-cut	
312096.002.1.76 */***	D 620, H 160	830	3800	40	95	DALI	
312096.002.3 */**	D 620, H 160	840	3450	28	123	Phase-cut	
312096.002.3.76 */***	D 620, H 160	840	3800	38	100	DALI	
311557.002.7	D 620, H 160	830	4050	38	107	on/off	✓
311557.002.7.76	D 620, H 160	830	4050	38	107	DALI	
311557.002.5	D 620, H 160	840	4050	38	107	on/off	✓
311557.002.5.76	D 620, H 160	840	4050	38	107	DALI	

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%) | **** not Touch DIM capable

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

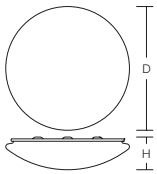
Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | FLAT POLYMERO - plastic (polycarbonate)

Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (polycarbonate), opal and shockproof.
Diffuser fastening: patented push system.

Available colour: 2 = white



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 10 / 11 / 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 14 W ≈
2 x 18 W TC-D (52 W Psys)

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

LED 24 / 32 W ≈
3 x 26 W TC-D (102 W Psys)

LED 28 / 29 / 31 / 38 / 40 W ≈
4 x 26 W TC-D (136 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control	
Ceiling and wall luminaires							**Price Category 11**
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
311626.002.8	D 300, H 100	830	1100	10	110	on/off	
311626.002.8.76 ****	D 300, H 100	830	1100	10	110	DALI	
311626.002.6	D 300, H 100	840	1100	10	110	on/off	
311626.002.6.76 ****	D 300, H 100	840	1100	10	110	DALI	
311943.002.2 */**	D 300, H 100	830	1150	12	96	Phase-cut	✓
311943.002.2.76 */***	D 300, H 100	830	1150	12	96	DALI	
311943.002.4 */**	D 300, H 100	840	1200	11	109	Phase-cut	✓
311943.002.4.76 */***	D 300, H 100	840	1200	13	92	DALI	
311627.002.8	D 300, H 100	830	1500	14	107	on/off	✓
311627.002.8.76	D 300, H 100	830	1500	14	107	DALI	
311627.002.6	D 300, H 100	840	1500	14	107	on/off	✓
311627.002.6.76	D 300, H 100	840	1500	14	107	DALI	
Diameter D 360 mm							
311945.002.2 */**	D 360, H 100	830	1150	12	96	Phase-cut	✓
311945.002.2.76 */***	D 360, H 100	830	1150	12	96	DALI	
311945.002.4 */**	D 360, H 100	840	1200	11	109	Phase-cut	✓
311945.002.4.76 */***	D 360, H 100	840	1200	13	92	DALI	
311523.002.8	D 360, H 100	830	1500	14	107	on/off	✓
311523.002.8.76	D 360, H 100	830	1500	14	107	DALI	
311523.002.6	D 360, H 100	840	1500	14	107	on/off	✓
311523.002.6.76	D 360, H 100	840	1500	14	107	DALI	
311946.002.2 */**	D 360, H 100	830	1900	19	100	Phase-cut	✓
311946.002.2.76 */***	D 360, H 100	830	1900	19	100	DALI	
311946.002.4 */**	D 360, H 100	840	2000	19	105	Phase-cut	✓
311946.002.4.76 */***	D 360, H 100	840	2100	19	111	DALI	
Diameter D 460 mm							
311518.002.8	D 460, H 120	830	2150	19	113	on/off	✓
311518.002.8.76	D 460, H 120	830	2150	19	113	DALI	
311518.002.6	D 460, H 120	840	2150	19	113	on/off	✓
311518.002.6.76	D 460, H 120	840	2150	19	113	DALI	
311947.002.2 */**	D 460, H 120	830	2000	19	105	Phase-cut	✓
311947.002.2.76 */***	D 460, H 120	830	2000	19	105	DALI	
311947.002.4 */**	D 460, H 120	840	2050	19	108	Phase-cut	✓
311947.002.4.76 */***	D 460, H 120	840	2150	19	113	DALI	
312244.002.2 */**	D 460, H 120	830	2800	24	117	Phase-cut	✓
312244.002.2.76 */***	D 460, H 120	830	3300	32	103	DALI	
312244.002.4 */**	D 460, H 120	840	2950	24	123	Phase-cut	✓
312244.002.4.76 */***	D 460, H 120	840	3450	31	111	DALI	
Diameter D 515 mm							
311555.002.8	D 515, H 150	830	2650	24	110	on/off	✓
311555.002.8.76	D 515, H 150	830	2650	24	110	DALI	
311555.002.6	D 515, H 150	840	2650	24	110	on/off	✓
311555.002.6.76	D 515, H 150	840	2650	24	110	DALI	
312092.002.2 *	D 515, H 150	830	3250	29	112	Phase-cut	
312092.002.2.76 */***	D 515, H 150	830	3850	40	96	DALI	
312092.002.4 *	D 515, H 150	840	3500	28	125	Phase-cut	
312092.002.4.76 */***	D 515, H 150	840	3850	38	101	DALI	
Diameter D 620 mm							
312096.002.2 *	D 620, H 160	830	3250	29	112	Phase-cut	
312096.002.2.76 */***	D 620, H 160	830	3800	40	95	DALI	
312096.002.4 *	D 620, H 160	840	3500	28	125	Phase-cut	
312096.002.4.76 */***	D 620, H 160	840	3900	38	103	DALI	
311557.002.8	D 620, H 160	830	4250	38	112	on/off	✓
311557.002.8.76	D 620, H 160	830	4250	38	112	DALI	
311557.002.6	D 620, H 160	840	4250	38	112	on/off	✓
311557.002.6.76	D 620, H 160	840	4250	38	112	DALI	

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%) | **** not Touch DIM capable

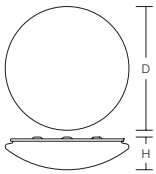
Accessories | Decorative metal rings for the FLAT POLYMERO
Not suitable for luminaires with mains voltage LED

Lacquered decorative rings are available in the following colours: 2 = white, 4 = silver, further RAL colours are available on request.
Metallised decorative rings are available in the following colour: 42 = nickel, matt



Decorative rings FLAT POLYMERO			**Price Category 11**
981804.00X	D 380 mm	for diffuser D 360 mm	
981805.00X	D 490 mm	for diffuser D 460 mm	
981806.00X	D 551 mm	for diffuser D 515 mm	

Ceiling and wall luminaires | FLAT POLYMERO - movement sensor



Type of protection: **IP 40**
Protection class: I
Impact protection: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white

Functional parameters of the movement sensor installed on a ceiling at a height of max. 4 m or on a wall at a height of max. 2.7 m:

- HF detector 5.8 GHz ISM frequency band
- Sensitivity/Range: 1-8 m in diameter, adjustable from 20-100%.
- Time control between 10 seconds and 30 minutes, adjustable
- Coverage: 120°.
- Can be used as master luminaire up to 800 W (ohmic load), 500 W (fluorescent lamp, LED) / 400 A, 200 µs
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements

Movement sensor luminaires are not compatible with AC movement sensor luminaires with 24 GHz technology (Master / Slave).

Comparison LED vs. conventional lamps

LED 14 W ≈
2 x 18 W TC-D (52 W Psys)

LED 19 W ≈
3 x 18 W TC-D (78 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control	
Ceiling and wall luminaires with integrated movement sensor							**Price Category 11**
Diffuser: plastic (PMMA)							
Diameter D 300 mm							
311627.002.7.19	D 300, H 100	830	1450	14	104	on/off	
311627.002.5.19	D 300, H 100	840	1450	14	104	on/off	
Diameter D 360 mm							
311523.002.7.19	D 360, H 100	830	1450	14	104	on/off	✓
311523.002.5.19	D 360, H 100	840	1450	14	104	on/off	✓
Diameter D 460 mm							
311518.002.7.19	D 460, H 120	830	2100	19	111	on/off	✓
311518.002.5.19	D 460, H 120	840	2100	19	111	on/off	✓
Diameter D 515 mm							
311525.002.7.19	D 515, H 150	830	2100	19	111	on/off	
311525.002.5.19	D 515, H 150	840	2100	19	111	on/off	
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
311627.002.8.19	D 300, H 100	830	1500	14	107	on/off	
311627.002.6.19	D 300, H 100	840	1500	14	107	on/off	
Diameter D 360 mm							
311523.002.8.19	D 360, H 100	830	1500	14	107	on/off	✓
311523.002.6.19	D 360, H 100	840	1500	14	107	on/off	✓
Diameter D 460 mm							
311518.002.8.19	D 460, H 120	830	2150	19	113	on/off	✓
311518.002.6.19	D 460, H 120	840	2150	19	113	on/off	✓
Diameter D 515 mm							
311525.002.8.19	D 515, H 150	830	2200	19	116	on/off	
311525.002.6.19	D 515, H 150	840	2200	19	116	on/off	



Accessories | Decorative metal rings for the FLAT POLYMERO
Not suitable for luminaires with mains voltage LED
Lacquered decorative rings are available in the following colours: 2 = white, 4 = silver, further RAL colours are available on request.
Metallised decorative rings are available in the following colour: 42 = nickel, matt

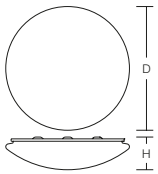
Decorative rings Flat Polymero			Price Category 11
981804.00X	D 380 mm	for diffuser D 360 mm	
981805.00X	D 490 mm	for diffuser D 460 mm	
981806.00X	D 551 mm	for diffuser D 515 mm	

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | FLAT POLYMERO - movement sensor



Type of protection: **IP 40**
Protection class: I
Impact protection: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Coverage: approx. 130° radial.
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range: 0.5-5 m radial, adjustable from 10-100%.
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.



Applies to versions with .19



Comparison
LED vs. conventional lamps

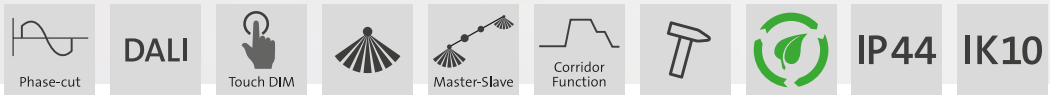
LED 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 19 / 20 / 21 W ≈
3 x 18 W TC-D (78 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]		Lighting control
Ceiling and wall luminaires with integrated movement sensor							**Price Category 11**
Diffuser: plastic (PMMA)							
Diameter D 300 mm							
311943.002.1.191 *	D 300, H 100	830	1150	13	88	Slave	on/off
311943.002.1.19 *	D 300, H 100	830	1150	12	96	Master	on/off
311943.002.3.191 *	D 300, H 100	840	1200	13	92	Slave	on/off
311943.002.3.19 *	D 300, H 100	840	1200	12	100	Master	on/off
Diameter D 360 mm							
311945.002.1.191 *	D 360, H 100	830	1100	12	92	Slave	on/off
311945.002.1.19 *	D 360, H 100	830	1100	12	92	Master	on/off
311945.002.3.191 *	D 360, H 100	840	1150	12	96	Slave	on/off
311945.002.3.19 *	D 360, H 100	840	1150	12	96	Master	on/off
311946.002.1.191 *	D 360, H 100	830	1850	20	93	Slave	on/off
311946.002.1.19 *	D 360, H 100	830	1900	20	95	Master	on/off
311946.002.3.191 *	D 360, H 100	840	2100	19	111	Slave	on/off
311946.002.3.19 *	D 360, H 100	840	1950	19	103	Master	on/off
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
311943.002.2.191 *	D 300, H 100	830	1150	13	88	Slave	on/off
311943.002.2.19 *	D 300, H 100	830	1150	12	96	Master	on/off
311943.002.4.191 *	D 300, H 100	840	1200	13	92	Slave	on/off
311943.002.4.19 *	D 300, H 100	840	1200	12	100	Master	on/off
Diameter D 360 mm							
311945.002.2.191 *	D 360, H 100	830	1150	12	96	Slave	on/off
311945.002.2.19 *	D 360, H 100	830	1150	12	96	Master	on/off
311945.002.4.191 *	D 360, H 100	840	1200	12	100	Slave	on/off
311945.002.4.19 *	D 360, H 100	840	1200	12	100	Master	on/off
311946.002.2.191 *	D 360, H 100	830	1900	20	95	Slave	on/off
311946.002.2.19 *	D 360, H 100	830	1900	20	95	Master	on/off
311946.002.4.191 *	D 360, H 100	840	2000	21	95	Slave	on/off
311946.002.4.19 *	D 360, H 100	840	2000	19	105	Master	on/off

* With mains voltage LED





FLAT POLYMERO® IP44

Ceiling and wall luminaires

ARCHITECTURE

- **Versatile:** 2 sizes, 2 types of installation, 2 diffusers.
- **Long service life:** Diffuser made of non-yellowing PMMA or impact resistant PC.

LIGHTING DESIGN

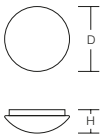
- **Uniform:** Homogeneous and smooth light distribution.
- **Dynamic**: Versions with integrated movement sensor. Master/slave circuit possible.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Protected:** Versions with high type of protection enable usage outdoors; indoors, it prevents contamination with insects or dust.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | FLAT POLYMERO IP44



Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: I, II = E27
Impact protection: IK02 (PMMA), IK10 (polycarbonate)

Base: plastic. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof.
Diffuser fastening: spring system.

Available colour: 2 = white



Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
Diffuser: plastic (PMMA)						
Diffuser D 305 mm						
221153.002.1 */**	D 305, H 115	830	1250	12	104	Phase-cut
221153.002.1.76 */***	D 305, H 115	830	1250	12	104	DALI
221153.002.3 */**	D 305, H 115	840	1300	11	118	Phase-cut
221153.002.3.76 */***	D 305, H 115	840	1250	13	96	DALI
221105.002	D 305, H 115	2 x E27 max. 40 W				on/off
221023.002.1	D 305, H 115	1 x E27 max. 75 W				on/off
Diffuser D 420 mm						
221154.002.1 */**	D 420, H 150	830	1900	19	100	Phase-cut
221154.002.1.76 */***	D 420, H 150	830	1900	19	100	DALI
221154.002.3 */**	D 420, H 150	840	2000	19	105	Phase-cut
221154.002.3.76 */***	D 420, H 150	840	2100	19	111	DALI
221106.002	D 420, H 150	3 x E27 max. 40 W				on/off
Diffuser: plastic (polycarbonate)						
Diffuser D 305 mm						
221153.002 */**	D 305, H 115	830	1350	12	113	Phase-cut
221153.002.76 */***	D 305, H 115	830	1350	12	113	DALI
221153.002.2 */**	D 305, H 115	840	1400	11	127	Phase-cut
221153.002.2.76 */***	D 305, H 115	840	1350	13	104	DALI
221022.002	D 305, H 115	2 x E27 max. 60 W				on/off
221023.002	D 305, H 115	1 x E27 max. 75 W				on/off
Diffuser D 420 mm						
221154.002 */**	D 420, H 150	830	2050	19	108	Phase-cut
221154.002.76 */***	D 420, H 150	830	2050	19	108	DALI
221154.002.2 */**	D 420, H 150	840	2200	19	116	Phase-cut
221154.002.2.76 */***	D 420, H 150	840	2300	19	121	DALI
221026.002	D 420, H 150	3 x E27 max. 60 W				on/off

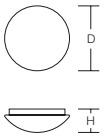
* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)

Comparison
LED vs. conventional lamps

LED 11 / 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT POLYMERO IP44 - movement sensor



Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: I
Impact protection: IK02 (PMMA), IK10 (polycarbonate)

Base: plastic. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: spring system.

Available colour: 2 = white

Functional parameters of the movement sensor installed on a ceiling at a height of max. 4 m or on a wall at a height of max. 2.7 m:

- HF detector 5.8 GHz ISM frequency band
- Sensitivity/Range: 1-8 m in diameter, adjustable from 20-100%.
- Time control between 10 seconds and 30 minutes, adjustable
- Coverage: 120°.
- Can be used as master luminaire up to 800 W (ohmic load), 500 W (fluorescent lamp, LED) / 400 A, 200 µs
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements

Movement sensor luminaires are not compatible with AC movement sensor luminaires with 24 GHz technology (Master / Slave).



Reference number	Dimensions [mm]	Light source	Lighting control
Ceiling and wall luminaires with integrated movement sensor			**Price Category 11**
Diffuser: plastic (PMMA)			
221126.002.4.19	D 305, H 115	1 x E27 max. 60 W	on/off
Diffuser: plastic (polycarbonate)			
221126.002.3.19	D 305, H 115	1 x E27 max. 60 W	on/off

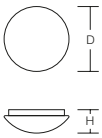
Applies to versions with .19

Comparison
LED vs. conventional lamps

LED 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 19 / 20 / 21 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT POLYMERO IP44 - movement sensor



Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: I
Impact protection: IK02 (PMMA), IK10 (polycarbonate)

Base: plastic. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof.
Diffuser fastening: spring system.

Available colour: 2 = white

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Coverage: approx. 130° radial.
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range: 0.5-5 m radial, adjustable from 10-100%.
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]		Lighting control
Ceiling and wall luminaires with integrated movement sensor							**Price Category 11**
Diffuser: plastic (PMMA)							
Diffuser D 305 mm							
221153.002.1.191 *	D 305, H 115	830	1250	13	96	Slave	on/off
221153.002.1.19 *	D 305, H 115	830	1250	12	104	Master	on/off
221153.002.3.191 *	D 305, H 115	840	1250	13	96	Slave	on/off
221153.002.3.19 *	D 305, H 115	840	1250	12	104	Master	on/off
Diffuser D 420 mm							
221154.002.1.191 *	D 420, H 150	830	1900	20	95	Slave	on/off
221154.002.1.19 *	D 420, H 150	830	1900	20	95	Master	on/off
221154.002.3.191 *	D 420, H 150	840	2000	21	95	Slave	on/off
221154.002.3.19 *	D 420, H 150	840	2000	19	105	Master	on/off
Diffuser: plastic (polycarbonate)							
Diffuser D 305 mm							
221153.002.191 *	D 305, H 115	830	1350	13	104	Slave	on/off
221153.002.19 *	D 305, H 115	830	1350	12	113	Master	on/off
221153.002.2.191 *	D 305, H 115	840	1350	13	104	Slave	on/off
221153.002.2.19 *	D 305, H 115	840	1350	12	113	Master	on/off
Diffuser D 420 mm							
221154.002.191 *	D 420, H 150	830	2050	20	103	Slave	on/off
221154.002.19 *	D 420, H 150	830	2050	20	103	Master	on/off
221154.002.2.191 *	D 420, H 150	840	2200	21	105	Slave	on/off
221154.002.2.19 *	D 420, H 150	840	2200	19	116	Master	on/off

* With mains voltage LED

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



© Linus Lintner

The application image shows:
FLAT POLYMERO IP44



FLAT BASIC

Ceiling and wall luminaires

ARCHITECTURE

- **Design-oriented:** Classic, timeless and with minimalist design.
- **Long service life:** Mouth-blown 3-layer opal glass (Triplex glass) with satin finish**.**

LIGHTING DESIGN

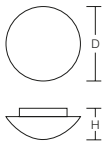
- **Anti-glare:** Particularly homogeneous, soft and glare-free light.
- **Efficient:** Versions with movement sensor.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

INSTALLATION

- **Easy installation:** Tool-free assembly.
- **Standard:** Suitable for through-wiring.
- **Protected:** High protection type allow for outdoor applications; since it is proof against dust and insects - this luminaire is ideal for hard-to-access installations.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | FLAT BASIC



Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: I, II = E27
Impact protection: IK02 (Diffuser fastening: spring system), IK03 (Glass fastening: bayonet fixing)

Base: plastic. Opal glass: mouth-blown, satin finish.
Diffuser fastening: spring system or bayonet fixing.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
Diffuser fastening: spring system						
Glass D 250 mm						
211428.002	D 250, H 106	830	730	6,9	106	on/off
211428.002.1	D 250, H 106	840	770	6,9	112	on/off
211005.002 .Q	D 250, H 106	1 x E27ᵎ max. 60 W				on/off
Glass D 300 mm						
211427.002	D 300, H 106	830	1050	11	95	on/off
211427.002.1	D 300, H 106	840	1100	11	100	on/off
211006.002 .Q	D 300, H 106	1 x E27ᵎ max. 75 W				on/off
Glass D 370 mm						
211394.002	D 370, H 118	830	1200	11	109	on/off
211394.002.1	D 370, H 118	840	1250	11	114	on/off
211399.002 */**	D 370, H 118	830	1150	12	96	Phase-cut
211399.002.76 */***	D 370, H 118	830	1150	12	96	DALI
211399.002.1 */**	D 370, H 118	840	1200	11	109	Phase-cut
211399.002.1.76 */***	D 370, H 118	840	1150	13	88	DALI
211060.002	D 370, H 118	1 x E27ᵎ max. 100 W				on/off
211059.002 .Q	D 370, H 118	2 x E27ᵎ max. 60 W				on/off
Glass D 420 mm						
211400.002 */**	D 420, H 124	830	1200	12	100	Phase-cut
211400.002.76 */***	D 420, H 124	830	1200	12	100	DALI
211400.002.1 */**	D 420, H 124	840	1250	11	114	Phase-cut
211400.002.1.76 */***	D 420, H 124	840	1200	13	92	DALI
211011.002	D 420, H 124	2 x E27ᵎ max. 75 W				on/off
Glass fastening: bayonet fixing						
Glass D 500 mm						
211401.002 */**	D 500, H 150	830	2150	19	113	Phase-cut
211401.002.76 */***	D 500, H 150	830	2150	19	113	DALI
211401.002.1 */**	D 500, H 150	840	2200	19	116	Phase-cut
211401.002.1.76 */***	D 500, H 150	840	2200	19	116	DALI
211071.002	D 500, H 150	3 x E27ᵎ max. 60 W				on/off

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)



Applies to versions with .76

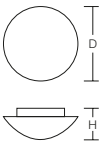
Comparison LED vs. conventional lamps

LED 6,9 W ≈
1 x 18 W TC-D (26 W Psys)

LED 11 / 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT BASIC - movement sensor



Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: I
Impact protection: IK02

Base: plastic. Opal glass: mouth-blown, satin finish. Diffuser fastening: spring system.

Available colour: 2 = white

Functional parameters of the movement sensor installed on a ceiling at a height of max. 4 m or on a wall at a height of max. 2.7 m:

- HF detector 5.8 GHz ISM frequency band
- Sensitivity/Range: 1-8 m in diameter, adjustable from 20-100%.
- Time control between 10 seconds and 30 minutes, adjustable
- Coverage: 120°.
- Can be used as master luminaire up to 800 W (ohmic load), 500 W (fluorescent lamp, LED) / 400 A, 200 µs
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements

Movement sensor luminaires are not compatible with AC movement sensor luminaires with 24 GHz technology (Master / Slave).

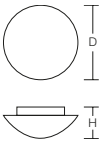
Reference number	Dimensions [mm]	Light source		Lighting control
Ceiling and wall luminaires with integrated movement sensor				**Price Category 11**
211344.002.3.19	D 370, H 118	1 x E27® max. 60 W	Yes	on/off
211355.002.3.19	D 420, H 124	1 x E27® max. 60 W	Yes	on/off

Applies to versions with .19

Comparison LED vs. conventional lamps

LED 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

Ceiling and wall luminaires | FLAT BASIC - movement sensor



Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: I
Impact protection: IK02

Base: plastic. Opal glass: mouth-blown, satin finish. Diffuser fastening: spring system.

Available colour: 2 = white

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Coverage: approx. 130° radial.
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range: 0.5-5 m radial, adjustable from 10-100%.
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]		Lighting control
Ceiling and wall luminaires with integrated movement sensor							**Price Category 11**
Glass D 370 mm							
211399.002.191 *	D 370, H 118	830	1150	13	88	Slave	on/off
211399.002.19 *	D 370, H 118	830	1150	12	96	Master	on/off
211399.002.1.191 *	D 370, H 118	840	1150	13	88	Slave	on/off
211399.002.1.19 *	D 370, H 118	840	1150	12	96	Master	on/off
Glass D 420 mm							
211400.002.191 *	D 420, H 124	830	1200	13	92	Slave	on/off
211400.002.19 *	D 420, H 124	830	1200	12	100	Master	on/off
211400.002.1.191 *	D 420, H 124	840	1200	13	92	Slave	on/off
211400.002.1.19 *	D 420, H 124	840	1200	12	100	Master	on/off

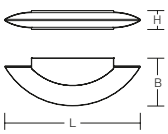
* With mains voltage LED

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



DALI

Wall luminaires | RING OF FIRE



Type of protection: IP 20
Protection class: I
Impact protection: IK02

Base: lacquered die-cast aluminium. Mouth-blown opal glass, satin finish, with transparent glass end caps. Luminaire body fixing with countersunk bolts.

Available colour: 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 21**
Length L 423 mm						
311672.004	L 423, B 144, H 60	830	900	10	90	on/off
311672.004.1	L 423, B 144, H 60	840	950	10	95	on/off
Length L 595 mm						
311673.004	L 595, B 210, H 83	830	2050	21	98	on/off
311673.004.76	L 595, B 210, H 83	830	2050	21	98	DALI
311673.004.1	L 595, B 210, H 83	840	2150	21	102	on/off
311673.004.1.76	L 595, B 210, H 83	840	2150	21	102	DALI

Light colour 827 on request.



Comparison
LED vs. conventional lamps

LED 10 W ≈
2 x 13 W TC-DEL (29 W Psys)

LED 21 W ≈
2 x 26 W TC-DEL (56 W Psys)



The application image shows:
FLAT KREIS

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FLAT KREIS
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SANTOS KREIS
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DKN-CLASSIC
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FLAT QUADRAT
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RECHTECK
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Phase-cut | DALI | Touch DIM | IP44 | IK08

FLAT KREIS

Ceiling and wall luminaires

ARCHITECTURE

- **Versatile:** Mouth blown 3-layer opal glass (Triplex glass) or plastic (PMMA).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.
- **Straightforward:** Diffuser fastening: spring system or bayonet fixing.

LIGHTING DESIGN

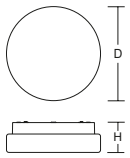
- **Uniform:** Homogeneous and smooth light distribution.
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).
- **Advantageous:** LED rated life 50000 h (L80/B10).

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Standard:** Suitable for through-wiring.
- **Protected:** High protection type allow for outdoor applications; since it is proof against dust and insects - this luminaire is ideal for hard-to-access installations.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | FLAT KREIS - Diffuser glass



Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: I
Impact protection: IK02 (Diffuser fastening: spring system), IK03 (Glass fastening: bayonet fixing)

Base: plastic. Opal glass: mouth-blown, satin finish. Diffuser fastening: spring system or bayonet fixing.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
Diffuser fastening: spring system						
Glass D 300 mm						
211209.002 *	D 300, H 75	830	1050	12	88	Phase-cut
211209.002.76 **	D 300, H 75	830	1050	12	88	DALI
211209.002.1 *	D 300, H 75	840	1100	11	100	Phase-cut
211209.002.1.76 **	D 300, H 75	840	1050	13	81	DALI
Glass fastening: bayonet fixing						
Glass D 500 mm						
211398.002 *	D 500, H 100	830	1900	19	100	Phase-cut
211398.002.76 **	D 500, H 100	830	1900	19	100	DALI
211398.002.1 *	D 500, H 100	840	1900	19	100	Phase-cut
211398.002.1.76 **	D 500, H 100	840	2000	19	106	DALI

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

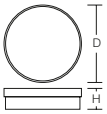
Touch DIM Applies to versions with .76

Comparison LED vs. conventional lamps

LED 11 / 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT KREIS - Diffuser plastic



Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: I
Impact protection: IK08

Base: plastic. Diffuser: plastic (PMMA), opal. Diffuser fastening: spring system.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
Diffuser D 262 mm						
221155.002 *	D 262, H 70	830	900	12	75	Phase-cut
221155.002.76 **	D 262, H 70	830	900	12	75	DALI
221155.002.1 *	D 262, H 70	840	950	11	87	Phase-cut
221155.002.1.76 **	D 262, H 70	840	900	13	70	DALI
Diffuser D 380 mm						
221156.002 *	D 380, H 78	830	1200	19	64	Phase-cut
221156.002.76 **	D 380, H 78	830	1200	19	64	DALI
221156.002.1 *	D 380, H 78	840	1300	19	69	Phase-cut
221156.002.1.76 **	D 380, H 78	840	1400	19	74	DALI

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Touch DIM Applies to versions with .76

Comparison LED vs. conventional lamps

LED 11 / 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)



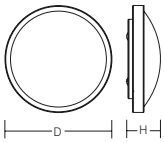


Ceiling and wall luminaires | SANTOS KREIS

Type of protection: IP 20
Protection class: I

Base: white coated metal. Glass: domed, opal, frosted. Decorative ring, metal.
Glass and decorative ring fastening: spring system.

Available colours (X): 42 = nickel brushed, 44 = chrome coloured



Reference number	Dimensions [mm]	Light source	Lighting control
Ceiling and wall luminaires			**Price Category 11**
Diameter D 310 mm			
311488.00X *	D 310, H 87	1 x E27® max. 60 W	on/off
Diameter D 410 mm			
311489.00X *	D 410, H 95	2 x E27® max. 60 W	on/off

* Dimmability depends on light source.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
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# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



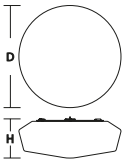
IP40

Ceiling and wall luminaires | DKN CLASSIC

Type of protection: **IP 40**
Protection class: I
Impact protection: IK02

Base: metal, galvanised. Opal glass: mouth blown, silk finish. Glass fastening: DKN system.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
Glass D 250 mm						
10122.002.1	D 250, H 105	830	440	6	74	on/off
10122.002	D 250, H 105	840	500	6	84	on/off
10120.002 * .Q	D 250, H 105	1 x E27® max. 60 W				on/off
Glass D 300 mm						
10138.002.1	D 300, H 115	830	940	12	79	on/off
10138.002	D 300, H 115	840	1100	12	92	on/off
10130.002 *	D 300, H 115	1 x E27® max. 75 W				on/off

* Dimmability depends on light source.



Comparison
LED vs. conventional lamps

LED 6 W ≈
1 x 13 W TC-D (19 W Psys)

LED 12 W ≈
1 x 26 W TC-D (34 W Psys)



IP44

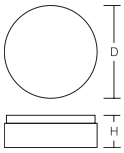


Ceiling and wall luminaires | KREIS - Diffuser glass

Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: II
Impact protection: IK02

Base: plastic. Opal glass: mouth-blown, satin finish. Diffuser fastening: spring system.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light source	Lighting control
Ceiling and wall luminaires			**Price Category 11**
Glass D 230 mm			
21101.002 *	D 230, H 110	1 x E27® max. 75 W	on/off
Glass D 280 mm			
21171.002 *	D 280, H 120	1 x E27® max. 100 W	on/off

* Dimmability depends on light source.

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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



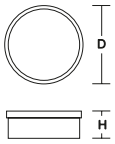
IP44

Ceiling and wall luminaires | KREIS - Diffuser plastic

Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: II
Impact protection: IK06

Base: plastic. Diffuser: plastic, opal, satin finish. Diffuser fastening: spring system.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light source	Lighting control
Ceiling and wall luminaires			**Price Category 11**
Luminaire D 200 mm			
22141.002 *	D 200, H 100	1 x E27[D] max. 60 W	on/off
Luminaire D 260 mm			
22150.002 *	D 260, H 110	1 x E27[D] max. 100 W	on/off
22142.002 *	D 260, H 110	2 x E27[D] max. 60 W	on/off

* Dimmability depends on light source.



DALI



Ceiling luminaires | GLASDOWNLIGHT

Type of protection: IP 20
Protection class: I
Impact protection: IK02

Base: aluminium, powder-coated. Opal glass: mouth-blown, satin finish.
Glass fastening: retaining screws.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling luminaires						**Price Category 11**
Glass D 120 mm						
931175.002	D 120, H 300	830	1200	9,5	127	on/off
931175.002.1	D 120, H 300	840	1250	9,5	132	on/off
931176.002	D 120, H 470	830	2400	19	127	on/off
931176.002.1	D 120, H 470	840	2500	19	132	on/off
Glass D 150 mm						
931178.002	D 150, H 300	830	2500	21	120	on/off
931178.002.1	D 150, H 300	840	2600	21	124	on/off
931178.002.76	D 150, H 300	830	2900	24	121	DALI
931178.002.1.76	D 150, H 300	840	3000	24	125	DALI
931180.002	D 150, H 470	830	2600	20	130	on/off
931180.002.1	D 150, H 470	840	2750	20	138	on/off
931180.002.76	D 150, H 470	830	3350	26	129	DALI
931180.002.1.76	D 150, H 470	840	3550	26	137	DALI

Comparison
LED vs. conventional lamps

LED 9,5 W ≈
1 x 20 W HIT (23 W Psys)

LED 19 / 20 / 21 W ≈
1 x 35 W HIT (43 W Psys)

LED 24 / 26 W ≈
1 x 50 W HIT (56 W Psys)

Further luminaires of this series, see:
Indoor lighting | Pendant luminaires

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



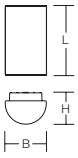
IP44

Wall luminaires | COLONNA IP 44

Type of protection: **IP 44**
Protection class: I, II = E27
Impact protection: IK02

Base: plastic. Opal glass: mouth-blown, satin finish. Diffuser fastening: spring system.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 11**
211423.002	L 245, B 145, H 110	830	900	9	100	on/off
211423.002.1	L 245, B 145, H 110	840	900	9	100	on/off
211324.002 *	L 245, B 145, H 110	1 x E27® max. 60 W				on/off

* Dimmability depends on light source.



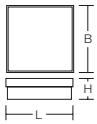
Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 26 W TC-D (34 W Psys)



Phase-cut DALI IP44

Ceiling and wall luminaires | FLAT QUADRAT



Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: I
Impact protection: IK06

Base: plastic. Diffuser: plastic, opal, satin finish. Diffuser fastening: spring system.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
Diffuser L 270 x B 270 mm						
221160.002.1 *	L 270, B 270, H 70	840	790	11	72	Phase-cut
221160.002 *	L 270, B 270, H 70	830	800	12	67	Phase-cut
Diffuser L 380 x B 380 mm						
221161.002 *	L 380, B 380, H 78	830	1500	19	79	Phase-cut
221161.002.76 **	L 380, B 380, H 78	830	1500	19	79	DALI
221161.002.1 *	L 380, B 380, H 78	840	1500	19	79	Phase-cut
221161.002.1.76 **	L 380, B 380, H 78	840	1600	19	85	DALI
221166.002	L 380, B 380, H 78	830	2850	36	80	on/off
221166.002.1	L 380, B 380, H 78	840	2900	36	81	on/off

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Comparison
LED vs. conventional lamps

LED 11 / 12 W ≈
1 x 26 W TC-D (34 W Psys)

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

LED 36 W ≈
3 x 26 W TC-D (102 W Psys)

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



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The application image shows:
FLAT QUADRAT



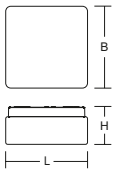
IP44

Ceiling and wall luminaires | QUADRAT - Diffuser glass

Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: II
Impact protection: IK02

Base: plastic. Mouth-blown opal glass, satin finish or silk finish. Diffuser fastening: spring system.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light source	Lighting control
Ceiling and wall luminaires			**Price Category 11**
Opal glass, satin finish			
Glass L 240 x B 240 mm			
21128.002 *	L 240, B 240, H 110	1 x E27® max. 75 W	on/off
Glass L 280 x B 280 mm			
21129.002 *	L 280, B 280, H 120	2 x E27® max. 60 W	on/off
Opal glass, silk finish			
Glass L 240 x B 240 mm			
20128.002 *	L 240, B 240, H 110	1 x E27® max. 75 W	on/off
Glass L 280 x B 280 mm			
20172.002 *	L 280, B 280, H 120	1 x E27® max. 100 W	on/off
20129.002 *	L 280, B 280, H 120	2 x E27® max. 60 W	on/off

* Dimmability depends on light source.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



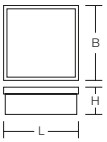
IP44

Ceiling and wall luminaires | QUADRAT - Diffuser plastic

Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: II
Impact protection: IK06

Base: plastic. Diffuser: plastic, opal, satin finish. Diffuser fastening: spring system.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light source	Lighting control
Ceiling and wall luminaires			**Price Category 11**
Luminaire L 226 x B 226 mm			
22146.002 *	L 226, B 226, H 110	1 x E27ᴰ max. 75 W	on/off
Luminaire L 270 x B 270 mm			
22130.002 *	L 270, B 270, H 115	1 x E27ᴰ max. 100 W	on/off
22148.002 *	L 270, B 270, H 115	2 x E27ᴰ max. 60 W	on/off

* Dimmability depends on light source.



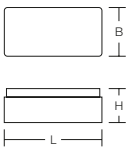
IP44



Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 26 W TC-D (34 W Psys)

Ceiling and wall luminaires | RECHTECK - Diffuser glass



Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: I, II = E27
Impact protection: IK02

Base: plastic. Opal glass: mouth-blown, satin finish. Diffuser fastening: spring system.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
Glass L 220 x B 120 mm						
211421.002	L 220, B 120, H 105	830	850	9	95	on/off
211421.002.1	L 220, B 120, H 105	840	850	9	95	on/off
21146.002 *	L 220, B 120, H 105	1 x E27® max. 60 W				on/off

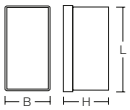
* Dimmability depends on light source.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



IP44

Ceiling and wall luminaires | RECHTECK - Diffuser plastic



Type of protection: **IP 44**
Protection class: I, II = E27
Impact protection: IK06

Base: plastic. Diffuser: plastic, opal, satin finish. Diffuser fastening: spring system.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 11**
Luminaire L 215 x B 115 mm						
221170.002	L 215, B 115, H 110	830	900	9	100	on/off
221170.002.1	L 215, B 115, H 110	840	900	9	100	on/off
22144.002 *	L 215, B 115, H 110	1 x E27① max. 60 W				on/off

* Dimmability depends on light source.



Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 26 W TC-D (34 W Psys)



The application image shows:
PLANADO

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PLANADO
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LAVANO UNO
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AVIATO
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RT 44
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BALEVA
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ISO / Aluminium striplights
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ISO Lampholders
for linear lamps
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PLANADO

Everything at a glance

No disposable luminaire thanks to interchangeable components.

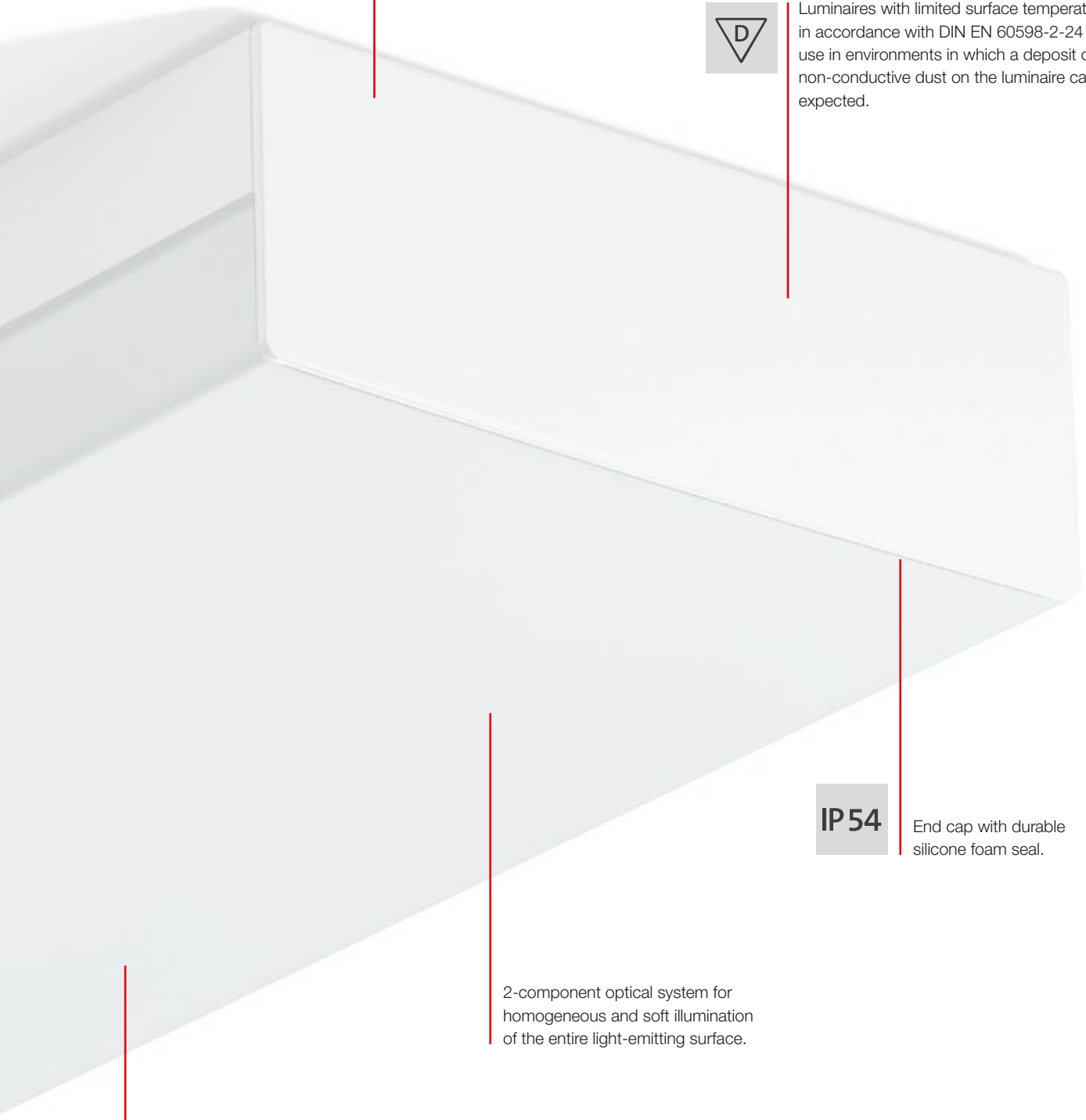
Qualified for use in the food and drink industry.

MultiLumen: 4 steps adjustable luminous flux.

Housing and end caps made of powder-coated sheet steel, without visible screws.

D

Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of non-conductive dust on the luminaire can be expected.



IP54

End cap with durable silicone foam seal.

2-component optical system for homogeneous and soft illumination of the entire light-emitting surface.

Diffuser made of non-yellowing plastic (PMMA), opal.



PLANADO

Ceiling and wall luminaires

ARCHITECTURE

- **Design-oriented:** Attractive and highly efficient diffuser luminaires.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.
- **Certified:** Qualified for use in the food and drink industry.

LIGHTING DESIGN

- **Uniform:** 2-component optical system for homogeneous and soft illumination of the entire light-emitting surface.
- **Protected:** IP 54 for tougher requirements.
- **Variable:** MultiLumen variants - 4 steps adjustable luminous flux.

INSTALLATION

- **Advantageous:** Perfect for 1:1 replacement during renovations.
- **Standard:** Through-wiring for additional luminaires.
- **Easy installation:** Easy, no-fuss installation.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | PLANADO



Type of protection: **IP 54** ceiling mounting, **IP 50** wall mounting
Protection class: I
Impact protection: IK05

Housing and end caps made of sheet steel, powder coated. Rectangular diffuser made of non-yellowing plastic (PMMA), opal. Specially matched 2-component optical system for homogeneous and soft illumination of the entire light-emitting surface. End caps with hidden screws, with permanently dimensionally stable silicone foam seal. Driver integrated. Replaceable LED unit. Suitable for through-wiring. With sensors or as a safety luminaire on request.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of non-conductive dust on the luminaire can be expected.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the highest luminous flux.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							**Price Category 21**
Length L 600 mm							
312621.002 *	L 600, B 160, H 58	830	1250...2050	10...17	130	21,8...23,5	on/off
312621.002.76	L 600, B 160, H 58	830	2050	17	121	23,5	DALI
312621.002.1 *	L 600, B 160, H 58	840	1300...2100	10...17	134	21,9...23,6	on/off
312621.002.1.76	L 600, B 160, H 58	840	2100	17	124	23,6	DALI
Length L 1200 mm							
312622.002 *	L 1200, B 160, H 58	830	3150...4750	25...38	132	22,6...24	on/off
312622.002.76	L 1200, B 160, H 58	830	4750	38	125	24	DALI
312622.002.1 *	L 1200, B 160, H 58	840	3300...4950	25...38	137	22,7...24,1	on/off
312622.002.1.76	L 1200, B 160, H 58	840	4950	38	131	24,1	DALI
Length L 1500 mm							
312623.002 *	L 1500, B 160, H 58	830	5500...7150	42...57	131	23,8...24,7	on/off
312623.002.76	L 1500, B 160, H 58	830	7150	57	126	24,7	DALI
312623.002.1 *	L 1500, B 160, H 58	840	5700...7400	42...57	136	23,9...24,8	on/off
312623.002.1.76	L 1500, B 160, H 58	840	7400	57	130	24,8	DALI

* **MultiLumen:** Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 10 W ≈
2 x 18 W T26 (52 W Psys)

LED 17 W ≈
3 x 18 W T26 (78 W Psys)

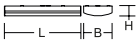
LED 25 W ≈
2 x 36 W T26 (74 W Psys)

LED 38 W ≈
3 x 36 W T26 (111 W Psys)

LED 42 W ≈
2 x 58 W T26 (118 W Psys)

LED 57 W ≈
3 x 58 W T26 (177 W Psys)

Ceiling and wall luminaires | PLANADO



Type of protection: **IP 54** ceiling mounting, **IP 50** wall mounting
Protection class: I
Impact protection: IK05

Housing and end caps made of sheet steel, powder coated. Curved diffuser made of non-yellowing plastic (PMMA), opal. Specially matched 2-component optical system for homogeneous and soft illumination of the entire light-emitting surface. End caps with hidden screws, with permanently dimensionally stable silicone foam seal. Driver integrated. Replaceable LED unit. Suitable for through-wiring. With sensors or as a safety luminaire on request.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of non-conductive dust on the luminaire can be expected.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the highest luminous flux.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							**Price Category 21**
Length L 600 mm							
312624.002 *	L 600, B 160, H 58	830	1200...2050	10...17	125	21,5...23,3	on/off
312624.002.76	L 600, B 160, H 58	830	2050	17	121	23,3	DALI
312624.002.1 *	L 600, B 160, H 58	840	1250...2050	10...17	130	21,6...23,3	on/off
312624.002.1.76	L 600, B 160, H 58	840	2050	17	121	23,3	DALI
Length L 1200 mm							
312625.002 *	L 1200, B 160, H 58	830	3100...4600	25...38	124	22,4...23,8	on/off
312625.002.76	L 1200, B 160, H 58	830	4600	38	122	23,8	DALI
312625.002.1 *	L 1200, B 160, H 58	840	3200...4800	25...38	128	22,5...23,9	on/off
312625.002.1.76	L 1200, B 160, H 58	840	4800	38	127	23,9	DALI
Length L 1500 mm							
312626.002 *	L 1500, B 160, H 58	830	5350...6900	42...57	128	23,5...24,4	on/off
312626.002.76	L 1500, B 160, H 58	830	6900	57	122	24,4	DALI
312626.002.1 *	L 1500, B 160, H 58	840	5550...7200	42...57	133	23,6...24,5	on/off
312626.002.1.76	L 1500, B 160, H 58	840	7200	57	127	24,5	DALI

* **MultiLumen:** Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 10 W ≈
2 x 18 W T26 (52 W Psys)

LED 17 W ≈
3 x 18 W T26 (78 W Psys)

LED 25 W ≈
2 x 36 W T26 (74 W Psys)

LED 38 W ≈
3 x 36 W T26 (111 W Psys)

LED 42 W ≈
2 x 58 W T26 (118 W Psys)

LED 57 W ≈
3 x 58 W T26 (177 W Psys)



DALI IP40

LAVANO® UNO

Ceiling and wall luminaires

ARCHITECTURE

- **Design-oriented:** High quality and elegant design.
- **Expressive:** High quality aluminium profile housing.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

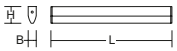
- **Guaranteed:** Glarefree light.
- **Efficient:** Luminous efficacy up to 132 lm/W.
- **Striking:** The special design of the diffuser generates brightly sparkling direct light along the contour of the ellipse.

INSTALLATION

- **Advantageous:** Can be installed horizontally and vertically.
- **Applicable:** Ideal for sanitary areas, corridors, waiting areas, nursing homes, patient rooms.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | LAVANO UNO



Type of protection: **IP 40**
Protection class: I
Impact protection: IK02

Extruded aluminium profile base, lacquered. End caps aluminium, painted. Diffuser: plastic, opal, allows for brilliant glittering light along the lines of the ellipse.

Available colour: 0 = white aluminium

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 21**
Length L 580 mm						
451198.000	L 580, B 40, H 83	830	1250	13	97	on/off
451198.000.76	L 580, B 40, H 83	830	1250	13	97	DALI
Length L 1140 mm						
451199.000	L 1140, B 40, H 83	830	2500	19	132	on/off
451199.000.76	L 1140, B 40, H 83	830	2500	19	132	DALI

Light colour 840 on request.



Comparison
LED vs. conventional lamps

LED 13 W ≈
1 x 36 W T26 (37 W Psys)

LED 19 W ≈
1 x 58 W T26 (59 W Psys)



© Fotostudio Lippmann

The application image shows:
LAVANO UNO



MultiColour | MultiLumen | CRI >90 | DALI | Plug & Play | IP40

AVIATO

Ceiling and wall luminaires

ARCHITECTURE

- **Extensive:** 3 lengths, 2 designs, 3 colours.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA), opal.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

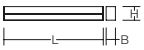
- **Flexible:** MultiLumen - 2-step adjustable luminous flux.
- **Variable:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.
- **Advantageous:** CRI >90 for the most realistic possible perception of colours of surroundings, obects and people.

INSTALLATION

- **Easy installation:** Very easy installation thanks to plug & play connection.
- **Straightforward:** Diffuser can be assembled without the use of tools.
- **Standard:** Suitable for through-wiring.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | AVIATO



Type of protection: **IP 40**
Protection class: I
Impact protection: IK03

Extruded aluminium profile base, lacquered. End cap painted metal, without visible screws. Angular diffuser made of non-yellowing plastic (PMMA), opal. Diffuser can be assembled without the use of tools. Driver integrated. Replaceable LED unit. Through-wiring for additional luminaires.

Available colours (X): 2 = white, 3 = black, 45 = white aluminium

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 3000 K.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Linear luminaires						**Price Category 11**
Length L 600 mm						
451227.00X	L 600, B 56, H 82	930, 940	1050...1550	8,5...12	129	on/off
451227.00X.76	L 600, B 56, H 82	930, 940	1050...1550	8,5...12	129	DALI
Length L 900 mm						
451228.00X	L 900, B 56, H 82	930, 940	1500...2200	12...17	133	on/off
451228.00X.76	L 900, B 56, H 82	930, 940	1500...2200	12...17	133	DALI
Length L 1200 mm						
451229.00X	L 1200, B 56, H 82	930, 940	2200...3300	18...24	138	on/off
451229.00X.76	L 1200, B 56, H 82	930, 940	2200...3300	18...24	138	DALI

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com. Special colours on request.

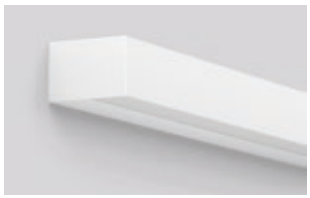
Comparison LED vs. conventional lamps

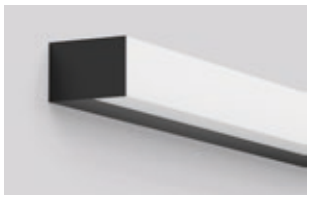
LED 8,5 W ≈
1 x 21 W T16 (24 W Psys)

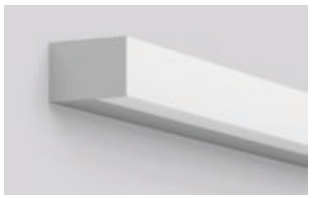
LED 12 W ≈
1 x 28 W T16 (31 W Psys)

LED 17 / 18 W ≈
1 x 49 W T16 (53 W Psys)

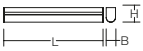
LED 24 W ≈
1 x 80 W T16 (86 W Psys)







Ceiling and wall luminaires | AVIATO



Type of protection: **IP 40**
Protection class: I
Impact protection: IK03

Extruded aluminium profile base, lacquered. End cap painted metal, without visible screws. Semicircular diffuser made of non-yellowing plastic (PMMA), opal. Diffuser can be assembled without the use of tools. Driver integrated. Replaceable LED unit. Through-wiring for additional luminaires.

Available colours (X): 2 = white, 3 = black, 45 = white aluminium

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 3000 K.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Linear luminaires						**Price Category 11**
Length L 600 mm						
451224.00X	L 600, B 56, H 88	930, 940	1050...1600	8,5...12	135	on/off
451224.00X.76	L 600, B 56, H 88	930, 940	1050...1600	8,5...12	135	DALI
Length L 900 mm						
451225.00X	L 900, B 56, H 88	930, 940	1500...2250	12...17	133	on/off
451225.00X.76	L 900, B 56, H 88	930, 940	1500...2250	12...17	133	DALI
Length L 1200 mm						
451226.00X	L 1200, B 56, H 88	930, 940	2250...3350	18...24	140	on/off
451226.00X.76	L 1200, B 56, H 88	930, 940	2250...3350	18...24	140	DALI

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com. Special colours on request.

Comparison LED vs. conventional lamps

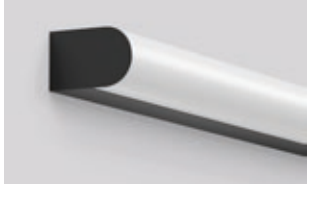
LED 8,5 W ≈
1 x 21 W T16 (24 W Psys)

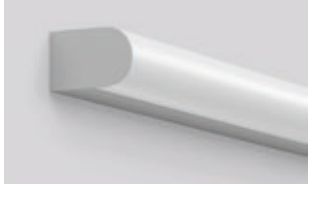
LED 12 W ≈
1 x 28 W T16 (31 W Psys)

LED 17 / 18 W ≈
1 x 49 W T16 (53 W Psys)

LED 24 W ≈
1 x 80 W T16 (86 W Psys)











RT 44

Linear light fittings

ARCHITECTURE

- **Extensive:** Variants with movement sensor, push button switch and Schukoplug socket.
- **Homogenous:** Soft and homogeneous illumination through opal diffuser.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

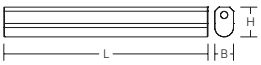
- **Protected:** High type of protection: IP44 for use in wet areas.
- **Clever:** Basic luminaire measuring 600 mm is the ideal size for mirrors.

INSTALLATION

- **Easy installation:** Very easy installation thanks to plug & play connection.
- **Advantageous:** Can be installed horizontally and vertically.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Linear light fittings | RT 44





Type of protection: **IP 44**, IP 21, if European flat plugs are used
Protection class: I
Impact protection: IK03

Base: aluminium, powder-coated. Diffuser: plastic (polycarbonate), opal.
End caps: plastic (polycarbonate), shock-resistant.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall and mirror luminaires						**Price Category 11**
451168.002	L 600, B 55, H 87	830	920	10	92	on/off
451168.002.1	L 600, B 55, H 87	840	970	10	97	on/off
451169.002	L 900, B 55, H 87	830	1400	15	94	on/off
451169.002.1	L 900, B 55, H 87	840	1500	15	100	on/off
with push button switch and Schukoplug socket						
451174.002	L 721, B 55, H 87	830	920	10	92	on/off
451174.002.1	L 721, B 55, H 87	840	970	10	97	on/off
451175.002	L 1021, B 55, H 87	830	1400	15	94	on/off
451175.002.1	L 1021, B 55, H 87	840	1500	15	100	on/off

Comparison
LED vs. conventional lamps

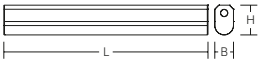
LED 10 W ≈
1 x 24 W T16 (26 W Psys)

LED 15 W ≈
1 x 28 W T16 (31 W Psys)


Push button switch


Schukoplug socket

Linear light fittings | RT 44 - movement sensor





Type of protection: **IP 44**
Protection class: I
Impact protection: IK02

Base: aluminium, powder-coated. Diffuser: plastic (polycarbonate), opal.
End caps: plastic (polycarbonate), shock-resistant.

Available colour: 2 = white

Functional parameters of the IR movement sensor installed on a ceiling at a height of max. 4 m or on a wall at a height of approx. 2.7 m.

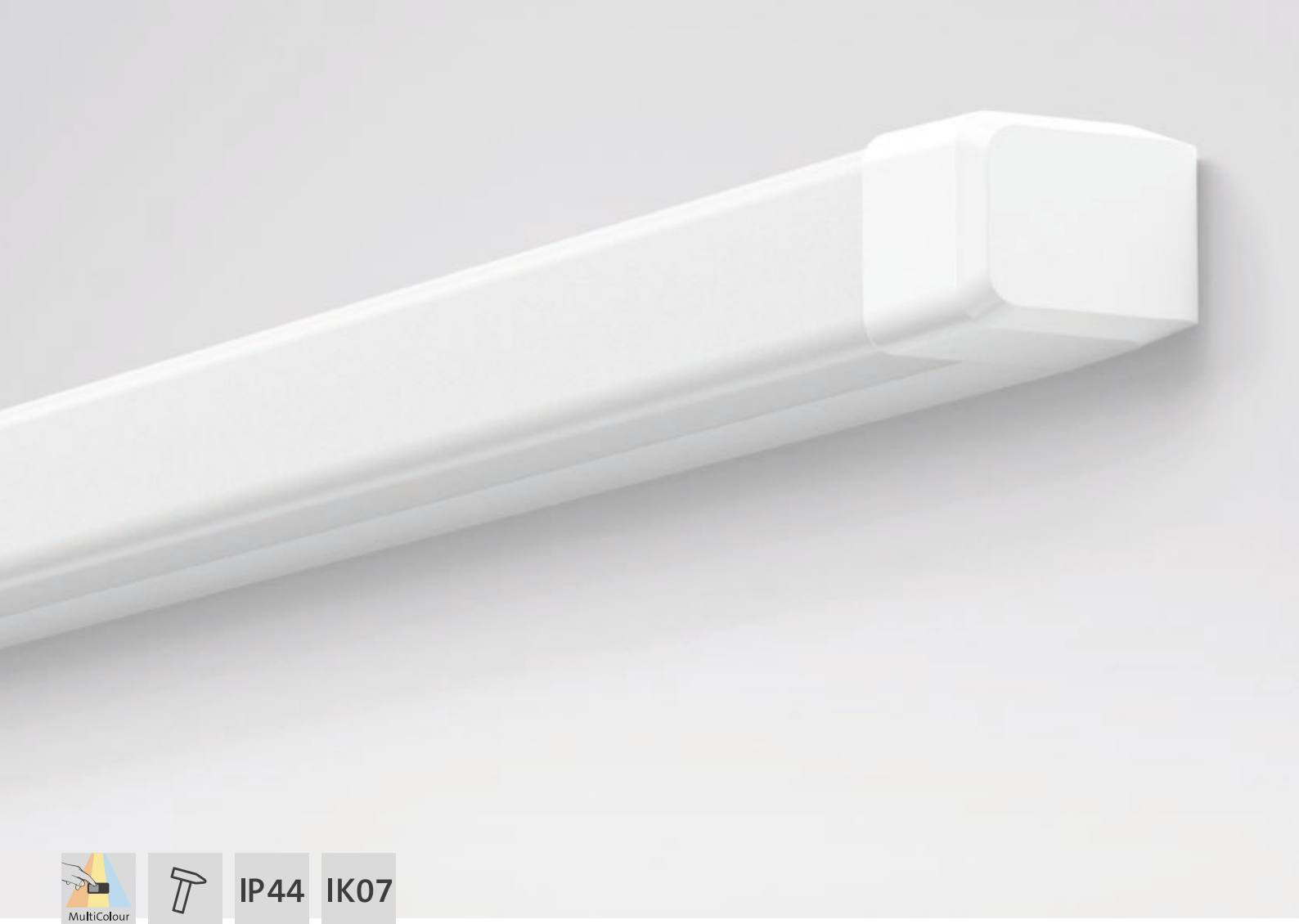
- Range 1-8 m in diameter, adjustable.
- Time control approx. 1 - 30 minutes, adjustable
- Coverage: 360° horizontally and approx. 110° vertically.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall and mirror luminaires with integrated movement sensor						**Price Category 11**
451168.002.19	L 657, B 55, H 87	830	920	10	92	on/off
451168.002.1.19	L 657, B 55, H 87	840	970	10	97	on/off

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 24 W T16 (26 W Psys)





MultiColour IP44 IK07

BALEVA®

Ceiling and wall luminaires

ARCHITECTURE

- **Protected:** High type of protection: IP44 for use in wet areas.
- **Applicable:** Ideal for sanitary areas, corridors, waiting areas, nursing homes, patient rooms.

LIGHTING DESIGN

- **Variable:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.
- **Homogenous:** Soft and homogeneous illumination through opal diffuser.

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Diffuser can be assembled without the use of tools.
- **Funktional:** 2 central cable inlets for looping the cable.
- **Advantageous:** Can be installed horizontally and vertically.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | BALEVA



Type of protection: **IP 40** Ceiling mounting, **IP 44** wall mounting
Protection class: II
Impact protection: IK07

Body and end caps made of white plastic. Diffuser made of plastic (polycarbonate), pal, shockproof. Converter integrated and encapsulated.

Available colour: 2 = white

MultiColour - Colour temperature adjustable via switching element. Factory setting is 4000 K.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Linear luminaires						**Price Category 11**
451215.002.2	L 500, B 46, H 60	830, 840	1000	9	112	on/off
451201.002.2 .Q	L 600, B 46, H 60	830, 840	1100	10	110	on/off
451202.002.2	L 900, B 46, H 60	830, 840	1650	15	110	on/off
451203.002.2	L 1200, B 46, H 60	830, 840	2200	19	116	on/off

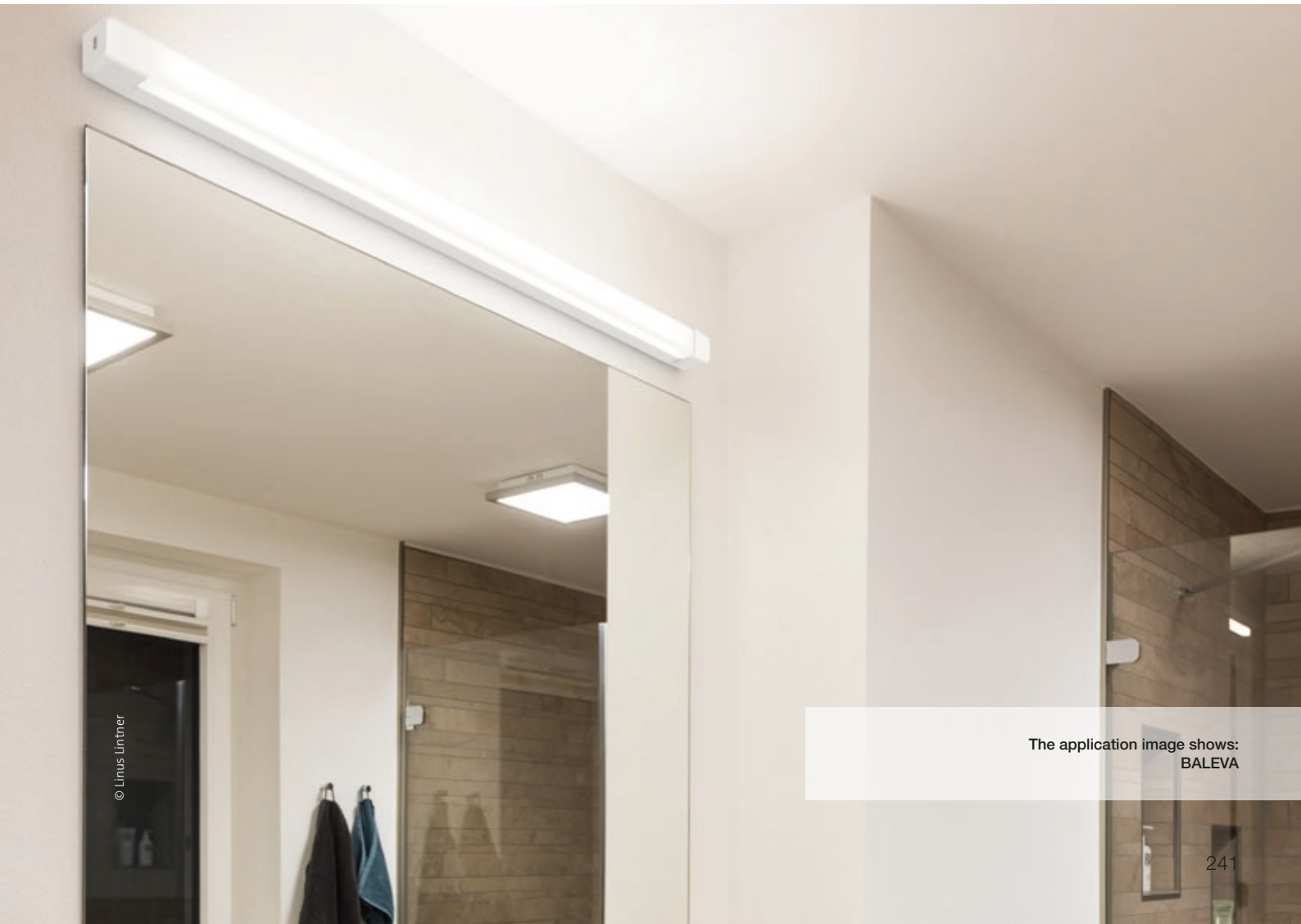
MultiColour: luminous flux and system power can vary depends on the light color. You will find more detailed information on www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 9 / 10 W ≈
1 x 21 W T16 (24 W Psys)

LED 15 W ≈
1 x 39 W T16 (41 W Psys)

LED 19 W ≈
1 x 49 W T16 (53 W Psys)



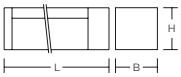
The application image shows:
BALEVA



IP40



Linear light fittings | R40



Type of protection: **IP 40**
Protection class: I
Impact protection: IK02

Base: plastic. Opal glass: mouth blown, silk finish.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light source	Lighting control
Linear luminaires			**Price Category 11**
40120.002.1 *	L 315, B 55, H 80	2 x E14[ø] max. 40 W	on/off
40130.002.1 *	L 457, B 55, H 80	3 x E14[ø] max. 40 W	on/off
with push button switch			
40122.002.1 *	L 315, B 55, H 80	2 x E14[ø] max. 40 W	on/off
40132.002.1 *	L 457, B 55, H 80	3 x E14[ø] max. 40 W	on/off
with Schukoplug socket			
40123.002.1 *	L 355, B 55, H 80	2 x E14[ø] max. 40 W	on/off
40133.002.1 *	L 500, B 55, H 80	3 x E14[ø] max. 40 W	on/off
with push button switch and Schukoplug socket			
40125.002.1 *	L 355, B 55, H 80	2 x E14[ø] max. 40 W	on/off
40135.002.1 *	L 500, B 55, H 80	3 x E14[ø] max. 40 W	on/off

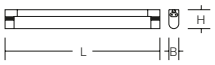
* Dimmability depends on light source.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.





Ceiling and wall luminaires | STRIP-LIGHT



Type of protection: IP 20
Protection class: II
Impact protection: IK02

Base: plastic. Diffuser: transparent plastic, prismatic. Connecting cables for through-wiring without tools. With rocker switch.

Suitable for mounting on or into furniture.

Included in delivery: 1.80 m power supply cable, 150 mm connecting cable, straight rigid coupling and 2 brackets each for wall and ceiling mounting.

Max. 12 luminaires can be mounted as a light channel.

Available colour: 2 = white

MultiColour - Colour temperature adjustable via switching element. Factory setting is 4000 K.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Linear luminaires						**Price Category 11**
451156.002.2	L 277, B 28, H 38	830, 840	400	4	100	on/off
451157.002.2	L 505, B 28, H 38	830, 840	720	7	103	on/off
451181.002.2	L 538, B 28, H 38	830, 840	850	8,6	99	on/off
451158.002.2	L 838, B 28, H 38	830, 840	1350	13	104	on/off
451159.002.2	L 1138, B 28, H 38	830, 840	1750	17	103	on/off
451160.002.2	L 1438, B 28, H 38	830, 840	2200	21	105	on/off

MultiColour: luminous flux and system power can vary depends on the light color. You will find more detailed information on www.rzb-lighting.com.

Accessories			**Price Category 11**
981464.002	L 300	Connecting cable	
981466.002	L 600	Connecting cable	
981467.002	L 900	Connecting cable	
981457.002	L 1800	Power supply cable (Europlug with socket)	

Comparison LED vs. conventional lamps

LED 4 W ≈
1 x 13 W T16 (15 W Psys)

LED 7 W ≈
1 x 14 W T16 (16 W Psys)

LED 8,6 W ≈
1 x 21 W T16 (24 W Psys)

LED 13 W ≈
1 x 28 W T16 (31 W Psys)

LED 17 W ≈
1 x 35 W T16 (38 W Psys)

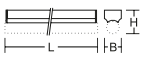
LED 21 W ≈
1 x 49 W T16 (53 W Psys)



IP40



Striplights | ISO striplights - for linear lamps



Type of protection: **IP 40**
Protection class: II
Impact protection: IK02

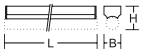
Base: plastic. Lamp contacts disconnection during lamp replacement.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light source	Lighting control
Striplights			**Price Category 11**
without push button switch			
41110.002.1	L 300, B 35, H 58	1 x L-DE 35 W	on/off
41120.002.1	L 500, B 35, H 58	1 x L-DE 60 W	on/off
with push button switch			
41111.002.1	L 300, B 35, H 58	1 x L-DE 35 W	on/off
41121.002.1	L 500, B 35, H 58	1 x L-DE 60 W	on/off

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Striplights | Aluminium striplights - for linear lamps





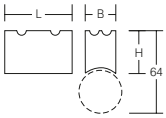
Type of protection: **IP 40**
Protection class: I
Impact protection: IK02

Base: aluminium, powder-coated / anodised. End caps: plastic.
Lamp contacts disconnection during lamp replacement.

Available colours (X): 2 = white, 4 = aluminium, anodised

Reference number	Dimensions [mm]	Light source	Lighting control
Striplights			**Price Category 11**
without push button switch			
41530.00X	L 300, B 35, H 58	1 x L-DE 35 W	on/off
41510.00X	L 500, B 35, H 58	1 x L-DE 60 W	on/off
41520.00X	L 1000, B 35, H 58	1 x L-DE 120 W	on/off
with push button switch			
41531.00X	L 300, B 35, H 58	1 x L-DE 35 W	on/off
41511.00X	L 500, B 35, H 58	1 x L-DE 60 W	on/off
41521.00X	L 1000, B 35, H 58	1 x L-DE 120 W	on/off

ISO lampholders for linear lamps





Type of protection: IP 20
Protection class: II
Impact protection: IK02

Individual lampholder. Without strain relief for connecting cable.

Available colour: 2 = white

Reference number	Dimensions [mm]		Lighting control
Individual lampholder			**Price Category 11**
for lamps with central sockets			
41401.002	L 60, B 23, H 38	1 x L 35 W (S14d)	on/off
Individual lampholder (pair)			**Price Category 11**
for lamps with sockets at both ends			
41402.002	L 60, B 23, H 38	1 x L-DE 35/60/120 W (S14s)	on/off

LED linear lamp			**Price Category 11**
single socket S14d			
10-2334	L 300, D 30	LED L, 300 lm, 5 W, 2700 K, G	

Comparison
LED vs. conventional lamps

LED 5 W ≈
1 x 8 W T16 (11 W Psys)



The application image shows:
ARENO

© Linus Lintner



249

ARENO

248-249



249

ALU-STANDARD

248-249



249

STANDARD

248-249



IP66

OVAL BULKHEAD LUMINAIRES

Die-cast aluminium oval bulkhead luminaires, Oval bulkhead luminaires, plastic

ARCHITECTURE

- **Classical:** The oval bulkhead luminaire – a classic with a new design.
- **Robust:** Suitable for use in harsh environments.

LIGHTING DESIGN

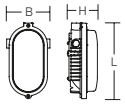
- **Uniform:** Homogeneous and smooth light distribution.
- **Advantageous:** Diffuser made of textured toughened crystal glass.

INSTALLATION

- **Easy installation:** Speedy installation thanks to external fastening clips.
- **Standard:** Suitable for through-wiring.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Die-cast aluminium oval bulkhead luminaires | ARENO





Type of protection: **IP 66**
Protection class: I
Impact protection: IK03

High-quality housing made of pressure die-cast aluminium, powder coated. Diffuser made of textured toughened crystal glass, coated white on one side. Full-surface homogeneous illumination. Bezel ring: powder coated die-cast aluminium, screwed on the luminaire. Drill holes at the inside, with silicone. With three cable inlets: M20x1.5. Replaceable LED unit.

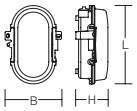
Available colour: 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
501047.004	L 227, B 141, H 87	840	500	8,5	59	on/off

Comparison
LED vs. conventional lamps

LED 8,5 W ≈
1 x 75 W A60 (75 W Psys)
1 x 13 W TC-D (19 W Psys)

Die-cast aluminium oval bulkhead luminaires | ALU-STANDARD





Type of protection: **IP 66**
Protection class: I
Impact protection: IK04

Robust housing: pressure die-cast aluminium, powder coated. Diffuser made of textured toughened crystal glass, opal. Diffuser attached with lateral spring clips. Full-surface homogeneous illumination. Speedy installation thanks to external fastening clips. Three cable inlets. Replaceable LED unit.

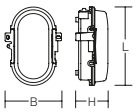
Available colour: 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
501045.004	L 171, B 123, H 70	840	740	8,5	87	on/off

Comparison
LED vs. conventional lamps

LED 8,5 W ≈
1 x 100 W A60 (100 W Psys)
1 x 18 W TC-D (26 W Psys)

Oval bulkhead luminaires, plastic | STANDARD





Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: I
Impact protection: IK04

Housing: plastic. Diffuser made of textured toughened crystal glass, opal. Diffuser attached with lateral spring clips. Full-surface homogeneous illumination. Speedy installation thanks to external fastening clips. Three cable inlets. Replaceable LED unit.

Available colour: 9 = grey

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
501044.009	L 171, B 123, H 70	840	740	8,5	87	on/off

Comparison
LED vs. conventional lamps

LED 8,5 W ≈
1 x 100 W A60 (100 W Psys)
1 x 18 W TC-D (26 W Psys)



The application image shows:
RING OF FIRE

© Linus Lintner


255


255


256


256

RING OF FIRE
252-257


259

SIDELITE ELLYPSOID
258-259


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FLAT SLIM round
260-261


262

FLAT SLIM disc
260 | 262


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FLAT SLIM step
260 | 263


264

FLAT SLIM square
260 | 264-265


267


268-269

BASIC BALL
266-269

270

GLASDOWNLIGHT
270-271


273


273


274-276


278-281

DEECOS P
272-285

287

TOLEDO FLAT
286-287


289

289

FLAT POLYMERO KREIS SLIM
288-289

291

291

FLAT POLYMERO
290-291

RING OF FIRE®

Everything at a glance

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Ring made of anodised aluminium or gold (Powder coating in different RAL colours on request).



Two glass forms



Steel cable suspension,
steplessly adjustable.

Power supply through suspension cable
or through separate cable.

Casambi smart+ free | DALI | Touch DIM



Tunable white versions, dynamically adjustable from 2700 K to 6500 K.

Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.

Tunable White | HCL ready

Mouth-blown opal glass,
satin finish.

HANDMADE MASTERPIECE

Mouth-blown opal glass

The ring is made of mouth-blown three-layer glass comprising a layer of opal glass sandwiched between layers of transparent glass. This structure protects the fragile opal glass from breakage.

Glass mass

The glassblower then forms the gob (the 16 kg heavy molten glass) by blowing into the blowpipe and rotating it. This element is then blown further in a special ring mould.

Perceived value

The ring is then finished in an etching bath, which deposits a matt surface on the outer transparent-glass layer. This underscores additionally the perceived value of the luminaire with regard to haptics and appearance.

Unique

The minute air inlets here and there in the glass are a very special feature of RZB's Ring of Fire luminaires, attesting as they do to the individual, handcrafted quality of these products. These various steps ensure that each RING OF FIRE luminaire is a unique, mouth-blown glass object.



Tunable White | HCL ready | DALI | Casambi smart+ free | Touch DIM

German Design Award NOMINEE 2014

reddot design award winner 2012

RING OF FIRE®

Pendant luminaires

ARCHITECTURE

- **Expressive:** An interior luminaire that is in a class of its own.
- **Sustainable:** Mouth-blown 3-layer opal glass (Triplex glass) with satin finish.
- **Individual:** Option of hand-finished FerroMurano glass.

LIGHTING DESIGN

- **Standard:** Provides a large amount of indirect light.
- **Dynamic:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Uniform:** Particularly homogeneous, soft and glare-free light.

INSTALLATION

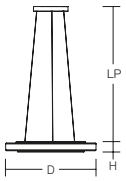
- **Reduced:** Versions with power supply through suspension cable.
- **Versatile:** Pendant luminaires with optional disc.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.



Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - decorative

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | RING OF FIRE





Type of protection: IP 20
Protection class: I
Impact protection: IK02
Suspension Length: 500-1200 mm

Supporting ring made of anodised aluminium. Opal glass: mouth-blown, satin finish. Canopy aluminium anodised. For pendant lengths of up to 2 m, power is supplied through a suspension cable. For pendant lengths of 2 m and more, and for all tunable white versions, power must be supplied through a separate cable. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 4 = aluminium, anodised

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

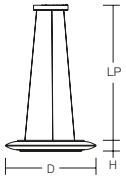
Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires							**Price Category 21**
Diameter D 495 mm, canopy Ø 220 mm, h 36 mm							
312261.004.76	D 495, H 55	830	2800	28	100	24,2	DALI
312261.004.730	D 495, H 55	830	2800	28	100	24,2	smart+free
312261.004.1.76	D 495, H 55	840	2900	28	104	24,3	DALI
312261.004.1.730	D 495, H 55	840	2900	28	104	24,3	smart+free
Tunable White - 2700 K to 6500 K							
312261.004.2.730	D 495, H 55	827-865	2450	31	79	23,6...23,8	smart+free

Comparison LED vs. conventional lamps

LED 28 / 31 W ≈
1 x 55 W T16-R (60 W Psys)

Pendant luminaires | RING OF FIRE





Type of protection: IP 20
Protection class: I
Impact protection: IK02
Suspension Length: 500-1200 mm

Supporting ring made of anodised aluminium. Opal glass: mouth-blown, satin finish. Canopy aluminium anodised. For pendant lengths of up to 2 m, power is supplied through a suspension cable. For pendant lengths of 2 m and more, and for all tunable white versions, power must be supplied through a separate cable. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colours: 4 = aluminium, anodised, 5 = gold

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires							**Price Category 21**
Diameter D 495 mm, canopy Ø 220 mm, h 36 mm							
311669.004.76	D 495, H 55	830	2800	28	100	22,6	DALI
311669.004.730	D 495, H 55	830	2800	28	100	22,6	smart+free
311669.004.1.76	D 495, H 55	840	2900	28	104	23	DALI
311669.004.1.730	D 495, H 55	840	2900	28	104	23	smart+free
Tunable White - 2700 K to 6500 K							
311669.004.2.730	D 495, H 55	827-865	2250	31	73	22...22,2	smart+free
Diameter D 690 mm, canopy Ø 260 mm, h 40 mm							
311570.004.76	D 690, H 81	830	4050	37	109	22,5	DALI
311570.004.730	D 690, H 81	830	4050	37	109	22,5	smart+free
311570.004.1.76	D 690, H 81	840	4150	37	112	22,6	DALI
311570.004.1.730	D 690, H 81	840	4150	37	112	22,6	smart+free
312546.004.76	D 690, H 81	830	5550	71	78	23,4	DALI
312546.004.730	D 690, H 81	830	5550	71	78	23,4	smart+free
312546.004.1.76	D 690, H 81	840	5800	71	82	23,6	DALI
312546.004.1.730	D 690, H 81	840	5800	71	82	23,6	smart+free
Tunable White - 2700 K to 6500 K							
311570.004.2.730	D 690, H 81	827-865	3500	38	92	21,8...22	smart+free

Comparison LED vs. conventional lamps

LED 28 / 31 W ≈
1 x 55 W T16-R (60 W Psys)

LED 37 / 38 W ≈
3 x 26 W TC-D (102 W Psys)
1 x 22 + 40 W T16-R (70 W Psys)

LED 71 W ≈
2 x 55 W T16-R (120 W Psys)

Pendant luminaires - Canopy, bezel ring and supporting ring 24 carat gold-plated							**Price Category 21**
Diameter D 690 mm, canopy Ø 260 mm, h 40 mm							
311570.005.76	D 690, H 81	830	4050	37	109	22,5	DALI

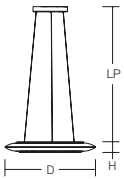




Comparison
LED vs. conventional lamps

LED 59 W ≈
2 x 55 W T16-R (120 W Psys)

Pendant luminaires | RING OF FIRE



Type of protection: IP 20
Protection class: I
Impact protection: IK02
Suspension Length: 500-1200 mm

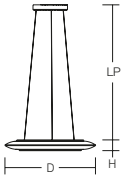
Supporting ring made of anodised aluminium. Opal glass: mouth-blown, satin finish. Inner circle surface: 417 mm in diameter opal white glass insert, for additional direct light output, which can be controlled separately. Canopy aluminium anodised. Power supply through separate cable. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 4 = aluminium, anodised

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires							**Price Category 21**
Diameter D 690 mm, canopy Ø 260 mm, h 40 mm							
311682.004.76	D 690, H 81	830	5800	59	98	17,4	DALI
311682.004.1.76	D 690, H 81	840	5900	59	100	17,4	DALI



Pendant luminaires | RING OF FIRE



Type of protection: IP 20
Protection class: I
Impact protection: IK02
Suspension Length: 500-1200 mm

Supporting ring made of anodised aluminium. Opal glass: mouth-blown, satin finish. Inner circle surface: 417 mm in diameter coloured Murano glass insert, for additional direct light output, which can be controlled separately. Canopy aluminium anodised. Power supply through separate cable. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 4 = aluminium, anodised

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires							**Price Category 21**
Diameter D 690 mm, canopy Ø 260 mm, h 40 mm							
Glass FerroMurano red							
311674.004.76	D 690, H 81	830	5150	59	87	16,5	DALI
311674.004.1.76	D 690, H 81	840	5250	59	89	16,5	DALI
Glass FerroMurano blue							
311675.004.76	D 690, H 81	830	5150	59	87	16,4	DALI
311675.004.1.76	D 690, H 81	840	5250	59	89	16,5	DALI
Glass FerroMurano white							
311691.004.76	D 690, H 81	830	5650	59	96	17,2	DALI
311691.004.1.76	D 690, H 81	840	5800	59	98	17,3	DALI

The luminous flux of each luminaire varies due to the difference in colour intensity and structure of the glass. Light colour 827 on request.







Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



© Linus Lintner

The application image shows:
SIDELITE ELLYPSOID
RING OF FIRE



Tunable White | HCL ready | UGR ≤ 19 | DALI | Casambi smart+ free | Touch DIM

German Design Award NOMINEE 2014

SIDELITE® ELLYPSOID

Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Minimalist design. Extremely low installed height.
- **Reduced:** This lighting fixture's diffuser is incorporated into an extruded aluminium profile just 15 mm thick.
- **Long service life:** Lightguide and plastic diffuser made of non-yellowing PMMA.

LIGHTING DESIGN

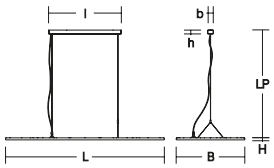
- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Dynamic:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Uniform:** Lateral light emission (RZB SIDELITE® technology) for homogeneous light distribution.

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | SIDELITE ELLYPSOID





Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 500-1200 mm

Anodised aluminium frame. Diffuser: pastic (PMMA), opal/microprismatic. Canopy aluminium anodised (l 540, b 42, h 29 mm). Power supply through separate cable. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request. Driver included in canopy. Lateral light emission thanks to LED.

Available colour: 0 = aluminium, anodised

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Pendant luminaires - 60% direct and 40% indirect light emission							**Price Category 21**
311662.000.76	L 1204, B 521, H 15	830	8350	71	118	16,7	DALI
311662.000.730	L 1204, B 521, H 15	830	8350	71	118	16,7	smart+free
311662.000.1.76	L 1204, B 521, H 15	840	8950	71	126	16,9	DALI
311662.000.1.730	L 1204, B 521, H 15	840	8950	71	126	16,9	smart+free
Tunable White - 2700 K to 6500 K							
311662.000.2.76	L 1204, B 521, H 15	827-865	5450	51	107	15,8...16	DALI
311662.000.2.730	L 1204, B 521, H 15	827-865	5450	51	107	15,8...16	smart+free

Light colour 827 on request.

Comparison LED vs. conventional lamps

LED 51 W ≈
3 x 28 W T16 (92 W Psys)

LED 71 W ≈
4 x 39 W T16 (164 W Psys)



The application image shows:
SIDELITE ELLYPSOID
RING OF FIRE





FLAT SLIM

Pendant luminaires

ARCHITECTURE

- **Extensive:** Pendant luminaires, ceiling and wall luminaires.
- **Individual:** Round diffuser made of mouth-blown 3-layer opal glass (Triplex glass) with satin finish or opal plastic (PMMA/PC), square diffuser made of matt or gloss crystal glass.
- **Integrated:** Standard Gore™ Protective Vents diaphragm valve to avoid condensation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Flexible:** MultiLumen - 2-step adjustable luminous flux.
- **Variable:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.
- **Uniform:** Particularly homogeneous, soft and glare-free light thanks to the use of large size LED boards.

INSTALLATION

- **Easy installation:** Installation could not be easier thanks to Plug & Play.
- **Straightforward:** Diffuser can be assembled without the use of tools.
- **Standard:** Suitable for through-wiring.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.

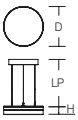


Further luminaires of this series, see:

Indoor lighting | Ceiling and wall luminaires - decorative
Outdoor lighting | House number luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | FLAT SLIM round





Type of protection: **IP 40**
Protection class: I
Suspension Length: 500-1500 mm

Base: pressure die-cast aluminium, powder-coated. Canopy: aluminium, powder-coated. Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. 3-point steel cable suspension, steplessly adjustable. Special lengths are available on request. Transparent connecting cable.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Touch DIM Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires						**Price Category 11**
Diffuser: glass						
D 300 mm						
312641.00X	D 300, H 70	830, 840	1250...2500	13...26	100	on/off
312641.00X.76	D 300, H 70	830, 840	1250...2500	13...26	100	DALI
312641.00X.730	D 300, H 70	830, 840	1250...2500	13...26	100	smart+free
D 400 mm						
312643.00X	D 400, H 70	830, 840	2450...4000	25...41	100	on/off
312643.00X.76	D 400, H 70	830, 840	2450...4000	25...41	100	DALI
312643.00X.730	D 400, H 70	830, 840	2450...4000	25...41	100	smart+free
D 480 mm						
312645.00X	D 480, H 70	830, 840	3350...5000	31...48	113	on/off
312645.00X.76	D 480, H 70	830, 840	3350...5000	31...48	113	DALI
312645.00X.730	D 480, H 70	830, 840	3350...5000	31...48	113	smart+free
Diffuser: plastic (PMMA)						
D 300 mm						
312642.00X	D 300, H 70	830, 840	1300...2450	11...20	123	on/off
312642.00X.76	D 300, H 70	830, 840	1300...2450	11...20	123	DALI
312642.00X.730	D 300, H 70	830, 840	1300...2450	11...20	123	smart+free
D 400 mm						
312644.00X	D 400, H 70	830, 840	2400...4150	20...33	130	on/off
312644.00X.76	D 400, H 70	830, 840	2400...4150	20...33	130	DALI
312644.00X.730	D 400, H 70	830, 840	2400...4150	20...33	130	smart+free
D 480 mm						
312646.00X	D 480, H 70	830, 840	3450...5150	26...39	138	on/off
312646.00X.76	D 480, H 70	830, 840	3450...5150	26...39	138	DALI
312646.00X.730	D 480, H 70	830, 840	3450...5150	26...39	138	smart+free
Diffuser: plastic (polycarbonate)						
D 300 mm						
312642.00X.1	D 300, H 70	830, 840	1450...2450	11...18	136	on/off
312642.00X.1.76	D 300, H 70	830, 840	1450...2450	11...18	136	DALI
312642.00X.1.730	D 300, H 70	830, 840	1450...2450	11...18	136	smart+free
D 400 mm						
312644.00X.1	D 400, H 70	830, 840	2450...4100	18...29	141	on/off
312644.00X.1.76	D 400, H 70	830, 840	2450...4100	18...29	141	DALI
312644.00X.1.730	D 400, H 70	830, 840	2450...4100	18...29	141	smart+free
D 480 mm						
312646.00X.1	D 480, H 70	830, 840	3500...5150	24...35	152	on/off
312646.00X.1.76	D 480, H 70	830, 840	3500...5150	24...35	152	DALI
312646.00X.1.730	D 480, H 70	830, 840	3500...5150	24...35	152	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 18 / 20 / 25 / 26 W ≈
2 x 26 W TC-D (68 W Psys)

LED 24 / 31 W ≈
3 x 26 W TC-D (102 W Psys)

LED 29 / 33 / 41 W ≈
4 x 26 W TC-D (136 W Psys)

LED 35 / 39 / 48 W ≈
2 x 57 W TC-TEL (116 W Psys)








Applies to versions with .76

Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

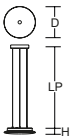
LED 24 / 25 W ≈
2 x 26 W TC-D (68 W Psys)

LED 30 W ≈
3 x 26 W TC-D (102 W Psys)

LED 41 W ≈
4 x 26 W TC-D (136 W Psys)

LED 44 W ≈
2 x 57 W TC-TEL (116 W Psys)

Pendant luminaires | FLAT SLIM disc



Type of protection: **IP 40**, IP 20 (D 560 mm)
Protection class: I
Suspension Length: 500-1500 mm

Base: pressure die-cast aluminium, powder-coated. Canopy: aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. 3-point steel cable suspension, steplessly adjustable. Special lengths are available on request. Transparent connecting cable.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires						**Price Category 11**
D 380 mm						
312650.00X	D 380, H 70	830, 840	1150...2500	11...24	105	on/off
312650.00X.76	D 380, H 70	830, 840	1150...2500	11...24	105	DALI
312650.00X.730	D 380, H 70	830, 840	1150...2500	11...24	105	smart+free
D 480 mm						
312651.00X	D 480, H 70	830, 840	2450...4000	25...41	100	on/off
312651.00X.76	D 480, H 70	830, 840	2450...4000	25...41	100	DALI
312651.00X.730	D 480, H 70	830, 840	2450...4000	25...41	100	smart+free
D 560 mm						
312652.00X	D 560, H 70	830, 840	3500...5150	30...44	120	on/off
312652.00X.76	D 560, H 70	830, 840	3500...5150	30...44	120	DALI
312652.00X.730	D 560, H 70	830, 840	3500...5150	30...44	120	smart+free

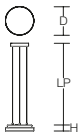
MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Pendant luminaires | FLAT SLIM step



Type of protection: **IP 40**
Protection class: I
Suspension Length: 500-1500 mm

Base: pressure die-cast aluminium, powder-coated. Canopy: aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. 3-point steel cable suspension, steplessly adjustable. Special lengths are available on request. Transparent connecting cable.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Touch DIM Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires						**Price Category 11**
D 350 mm						
312647.00X	D 350, H 70	830, 840	1200...2500	11...22	114	on/off
312647.00X.76	D 350, H 70	830, 840	1200...2500	11...22	114	DALI
312647.00X.730	D 350, H 70	830, 840	1200...2500	11...22	114	smart+free
D 450 mm						
312648.00X	D 450, H 70	830, 840	2450...4150	24...38	109	on/off
312648.00X.76	D 450, H 70	830, 840	2450...4150	24...38	109	DALI
312648.00X.730	D 450, H 70	830, 840	2450...4150	24...38	109	smart+free
D 530 mm						
312649.00X	D 530, H 70	830, 840	3500...5000	28...40	129	on/off
312649.00X.76	D 530, H 70	830, 840	3500...5000	28...40	129	DALI
312649.00X.730	D 530, H 70	830, 840	3500...5000	28...40	129	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

LED 22 / 24 W ≈
2 x 26 W TC-D (68 W Psys)

LED 28 W ≈
3 x 26 W TC-D (102 W Psys)

LED 38 W ≈
4 x 26 W TC-D (136 W Psys)

LED 40 W ≈
2 x 57 W TC-TEL (116 W Psys)







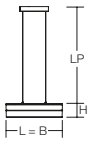

Touch DIM Applies to versions with .76

Comparison LED vs. conventional lamps

LED 12 / 13 W ≈
2 x 18 W TC-D (52 W Psys)

LED 19 / 21 W ≈
2 x 26 W TC-D (68 W Psys)

Pendant luminaires | FLAT SLIM square



Type of protection: **IP 40**
Protection class: I
Impact protection: IK07
Suspension Length: 500-1200 mm

Base: pressure die-cast aluminium, powder-coated. Canopy: aluminium, powder-coated. Diffuser: matt or high-polish crystal glass, painted inside, with fixing device. Diffuser with frame made of pressure die-cast aluminium, powder coated, bonded. Diffuser attached with clip system. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. 4-point steel cable suspension, steplessly adjustable. Special lengths available on request. Transparent connecting cable.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 4000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires						**Price Category 11**
Diffuser: high-polish crystal glass						
312542.00X	L 300, B 300, H 70	830, 840	1250...2200	12...19	116	on/off
312542.00X.76	L 300, B 300, H 70	830, 840	1300...2300	13...21	110	DALI
312542.00X.730	L 300, B 300, H 70	830, 840	1300...2300	13...21	110	smart+free
Diffuser: matt crystal glass						
312541.00X	L 300, B 300, H 70	830, 840	1300...2300	12...19	121	on/off
312541.00X.76	L 300, B 300, H 70	830, 840	1350...2400	13...21	114	DALI
312541.00X.730	L 300, B 300, H 70	830, 840	1350...2400	13...21	114	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.


Diffuser: high-polish crystal glass


Diffuser: matt crystal glass









Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



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The application image shows:
FLAT SLIM square



DALI IP40 IK10

BASIC BALL

Pendant luminaires

ARCHITECTURE

- **Classical:** Pendant luminaire in timelessly classic sphere design.
- **Extensive:** Spheres in four different diameters.
- **Long service life:** Mouth-blown opal glass or shockproof plastic sphere.

LIGHTING DESIGN

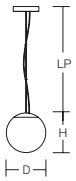
- **Anti-glare:** Shadow-free, homogeneous and soft illumination.
- **Advantageous:** LED rated life 50000 h (L80/B10).
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).

INSTALLATION

- **Individual:** Steplessly adjustable single-point steel cable suspension or chrome-plated pendant tubes.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | BASIC BALL - Glass





Type of protection: **IP 40**
Protection class: I
Impact protection: IK02
Suspension Length: 4000 mm

Sphere: opal glass, mouth-blown, satin finish. Canopy: metal, white. White cap.
Power supply cable: white. Single-point steel cable suspension, steplessly adjustable.
Special lengths available on request.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires						**Price Category 21**
Glass sphere						
D 350 mm						
312105.002.76	D 350, H 350	830	2400	28	86	DALI
312105.002.1.76	D 350, H 350	840	2500	28	89	DALI
312094.002.76	D 350, H 350	830	5800	55	105	DALI
312094.002.1.76	D 350, H 350	840	5950	55	108	DALI
D 400 mm						
312095.002.76	D 400, H 400	830	7900	79	100	DALI
312095.002.1.76	D 400, H 400	840	8100	79	103	DALI
D 500 mm						
312107.002.76	D 500, H 500	830	8150	79	103	DALI
312107.002.1.76	D 500, H 500	840	8400	79	106	DALI
D 600 mm						
312108.002.76	D 600, H 600	830	8200	79	104	DALI
312108.002.1.76	D 600, H 600	840	8450	79	107	DALI

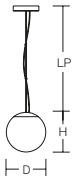
Comparison
LED vs. conventional lamps

LED 28 W ≈
2 x 26 W TC-D (68 W Psys)

LED 55 W ≈
3 x 42 W TC-TEL (137 W Psys)

LED 79 W ≈
4 x 42 W TC-TEL (180 W Psys)

Pendant luminaires | BASIC BALL - Plastic





Type of protection: **IP 40**
Protection class: I
Impact protection: IK10
Suspension Length: 4000 mm

Impact-resistant plastic ball made of UV-stabilized polyethylene (PE), opal, satin finish. Canopy: metal, white. White cap. Power supply cable: white. Single-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires						**Price Category 21**
Plastic sphere						
D 350 mm						
312109.002.76	D 350, H 350	830	2550	28	91	DALI
312109.002.1.76	D 350, H 350	840	2650	28	95	DALI
312110.002.76	D 350, H 350	830	6150	55	112	DALI
312110.002.1.76	D 350, H 350	840	6350	55	115	DALI
D 400 mm						
312112.002.76	D 400, H 400	830	8550	79	108	DALI
312112.002.1.76	D 400, H 400	840	8850	79	112	DALI
D 500 mm						
312113.002.76	D 500, H 500	830	8650	79	109	DALI
312113.002.1.76	D 500, H 500	840	8900	79	113	DALI
D 630 mm						
312114.002.76	D 630, H 630	830	8600	79	109	DALI
312114.002.1.76	D 630, H 630	840	8900	79	113	DALI

Comparison
LED vs. conventional lamps

LED 28 W ≈
2 x 26 W TC-D (68 W Psys)

LED 55 W ≈
3 x 42 W TC-TEL (137 W Psys)

LED 79 W ≈
4 x 42 W TC-TEL (180 W Psys)

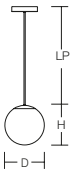




White cap



Pendant luminaires | BASIC BALL - Glass



Type of protection: **IP 40**
Protection class: I
Impact protection: IK02

Sphere: opal glass, mouth-blown, satin finish. Canopy: metal, chrome-plated.
Chrome cap.

Modular design: Pendant tube must be ordered separately!

Available colour: 2 = white

Comparison
LED vs. conventional lamps

LED 28 W ≈
2 x 26 W TC-D (68 W Psys)

LED 55 W ≈
3 x 42 W TC-TEL (137 W Psys)

LED 79 W ≈
4 x 42 W TC-TEL (180 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires						**Price Category 21**
Glass sphere						
D 350 mm						
312115.002.76	D 350, H 350	830	2400	28	86	DALI
312115.002.1.76	D 350, H 350	840	2500	28	89	DALI
312116.002.76	D 350, H 350	830	5800	55	105	DALI
312116.002.1.76	D 350, H 350	840	5950	55	108	DALI
D 400 mm						
312119.002.76	D 400, H 400	830	7900	79	100	DALI
312119.002.1.76	D 400, H 400	840	8100	79	103	DALI
D 500 mm						
312120.002.76	D 500, H 500	830	8150	79	103	DALI
312120.002.1.76	D 500, H 500	840	8400	79	106	DALI
D 600 mm						
312121.002.76	D 600, H 600	830	8200	79	104	DALI
312121.002.1.76	D 600, H 600	840	8450	79	107	DALI



Pendant tube (can be shortened on site) - To be ordered separately			Price Category 21
982229.0044	D 13, LP 1000	Pendant tube chrome-plated, including power supply cable and mounting material. Special pendant lengths available on request.	
982230.0044	D 13, LP 1500	Pendant tube chrome-plated, including power supply cable and mounting material. Special pendant lengths available on request.	
982231.0044	D 13, LP 2000	Pendant tube chrome-plated, including power supply cable and mounting material. Special pendant lengths available on request.	



Adaptor, aluminium			Price Category 21
981222.000	D 35, H 15	For mounting a pendant tube shortened on site (incl. mounting material)	



Connection sleeve, M13 x 1, chrome-plated, for pendant tube extension			Price Category 21
981230.0044	D 18, H 40	Accessories for connecting two pendant tubes	





Chrome cap

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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

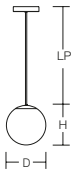
Pendant luminaires | BASIC BALL - Plastic

Type of protection: **IP 40**
Protection class: I
Impact protection: IK10

Impact-resistant plastic ball made of UV-stabilized polyethylene (PE), opal, satin finish.
Canopy: metal, chrome-plated. White cap.

Modular design: Pendant tube must be ordered separately!

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires						**Price Category 21**
Plastic sphere						
D 350 mm						
312122.002.76	D 350, H 350	830	2550	28	91	DALI
312122.002.1.76	D 350, H 350	840	2650	28	95	DALI
312123.002.76	D 350, H 350	830	6150	55	112	DALI
312123.002.1.76	D 350, H 350	840	6350	55	115	DALI
D 400 mm						
312125.002.76	D 400, H 400	830	8550	79	108	DALI
312125.002.1.76	D 400, H 400	840	8850	79	112	DALI
D 500 mm						
312126.002.76	D 500, H 500	830	8650	79	109	DALI
312126.002.1.76	D 500, H 500	840	8900	79	113	DALI
D 630 mm						
312127.002.76	D 630, H 630	830	8600	79	109	DALI
312127.002.1.76	D 630, H 630	840	8900	79	113	DALI

Comparison
LED vs. conventional lamps

LED 28 W ≈
2 x 26 W TC-D (68 W Psys)

LED 55 W ≈
3 x 42 W TC-TEL (137 W Psys)

LED 79 W ≈
4 x 42 W TC-TEL (180 W Psys)

Pendant tube (can be shortened on site) - To be ordered separately			Price Category 21
982229.0044	D 13, LP 1000	Pendant tube chrome-plated, including power supply cable and mounting material. Special pendant lengths available on request.	
982230.0044	D 13, LP 1500	Pendant tube chrome-plated, including power supply cable and mounting material. Special pendant lengths available on request.	
982231.0044	D 13, LP 2000	Pendant tube chrome-plated, including power supply cable and mounting material. Special pendant lengths available on request.	



Adaptor, aluminium			Price Category 21
981222.000	D 35, H 15	For mounting a pendant tube shortened on site (incl. mounting material)	



Connection sleeve, M13 x 1, chrome-plated, for pendant tube extension			Price Category 21
981230.0044	D 18, H 40	Accessories for connecting two pendant tubes	







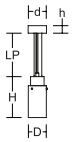
White cap



DALI



Pendant luminaires | GLASDOWNLIGHT



Type of protection: IP 20
Protection class: I
Impact protection: IK02
Suspension Length: 500-1250 mm

Base: aluminium, powder-coated. Opal glass: mouth-blown, satin finish. Glass fastening: retaining screws. Canopy: aluminium, powder-coated. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Pendant luminaires						**Price Category 11**
Diameter D 120 mm, canopy d 122 mm, h 50 mm						
931181.002	D 120, H 300	830	1200	9,5	126	on/off
931181.002.1	D 120, H 300	840	1250	9,5	132	on/off
931182.002	D 120, H 470	830	2400	19	126	on/off
931182.002.1	D 120, H 470	840	2500	19	132	on/off
Diameter D 150 mm, canopy d 122 mm, h 50 mm						
931183.002	D 150, H 300	830	2500	21	119	on/off
931183.002.76	D 150, H 300	830	2900	24	121	DALI
931183.002.1	D 150, H 300	840	2600	21	124	on/off
931183.002.1.76	D 150, H 300	840	3000	24	125	DALI
931184.002	D 150, H 470	830	2600	20	130	on/off
931184.002.76	D 150, H 470	830	3350	26	129	DALI
931184.002.1	D 150, H 470	840	2750	20	138	on/off
931184.002.1.76	D 150, H 470	840	3550	26	137	DALI

Comparison
LED vs. conventional lamps

LED 9,5 W ≈
1 x 20 W HIT (23 W Psys)

LED 19 / 20 / 21 W ≈
1 x 35 W HIT (43 W Psys)

LED 24 / 26 W ≈
1 x 50 W HIT (56 W Psys)

Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - decorative

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



© Shutterstock

The application image shows:
GLASDOWNLIGHT



DEECOS P

Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Cylindrical shape with no visible cooling fins.
- **Variable:** MIRO-SILVER® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone.
- **Long service life:** High quality die-cast aluminium housing in three sizes.
- **Interchangeable:** Interchangeable lenses with different beam angles.

LIGHTING DESIGN

- **Standard:** Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality.
- **Anti-glare:** Black plastic ring and recessed LED to prevent glare from the side.
- **Versatile:** 7 different light colors with CRI >90 and special Food-LEDs available as standard.
- **True colours:** CRI >90 for the most realistic possible perception of colours of surroundings, obects and people.
- **Advantageous:** LED rated life 50000 h (L90/B10).
- **Optimum:** Colour tolerance within 2-steps MacAdam (2 SDCM).

INSTALLATION

- **Easy installation:** Transparent, adjustable pendant cable and canopy with magnetic fixing.
- **Extensive:** The following accessories can be mounted without use of tools: interchangeable lenses, decorative glasses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.



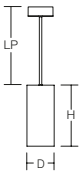


Further luminaires of this series, see:

Indoor lighting | Recessed projectors
Indoor lighting | Surface mounted projectors

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | DEECOS P micro - Optic reflector





Type of protection: IP 20
Protection class: I
Impact protection: IK06
Suspension Length: 3000 mm

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black. With MIRO-SILVER® reflector. Transparent suspension cable 3 m, can be shortened. Canopy made of powder-coated sheet steel with magnetic attachment.

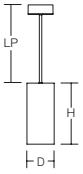
Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Pendant luminaires - Reflector flood							**Price Category 21**
Cylinder height 190 mm							
911489.00X	D 60, H 190	927	1500	16	94	38	on/off
911489.00X.76	D 60, H 190	927	1500	16	94	38	DALI
911489.00X.1	D 60, H 190	930	1650	16	103	38	on/off
911489.00X.1.76	D 60, H 190	930	1650	16	103	38	DALI
911489.00X.2	D 60, H 190	940	1750	16	109	38	on/off
911489.00X.2.76	D 60, H 190	940	1750	16	109	38	DALI
Cylinder height 340 mm							
911491.00X	D 60, H 340	927	1500	16	94	38	on/off
911491.00X.76	D 60, H 340	927	1500	16	94	38	DALI
911491.00X.1	D 60, H 340	930	1650	16	103	38	on/off
911491.00X.1.76	D 60, H 340	930	1650	16	103	38	DALI
911491.00X.2	D 60, H 340	940	1750	16	109	38	on/off
911491.00X.2.76	D 60, H 340	940	1750	16	109	38	DALI

Comparison
LED vs. conventional lamps

LED 16 W ≈
1 x 90 W QT12 (96 W Psys)
1 x 20 W HIT (23 W Psys)

Pendant luminaires | DEECOS P micro - Optic lens





Type of protection: IP 20
Protection class: I
Impact protection: IK06
Suspension Length: 3000 mm

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black. With optical assembly polycarbonate lens. Transparent suspension cable 3 m, can be shortened. Canopy made of powder-coated sheet steel with magnetic attachment.

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Pendant luminaires - Wide flood lens							**Price Category 21**
Cylinder height 190 mm							
911490.00X	D 60, H 190	927	1100	16	69	52	on/off
911490.00X.76	D 60, H 190	927	1100	16	69	52	DALI
911490.00X.1	D 60, H 190	930	1200	16	75	52	on/off
911490.00X.1.76	D 60, H 190	930	1200	16	75	52	DALI
911490.00X.2	D 60, H 190	940	1250	16	78	52	on/off
911490.00X.2.76	D 60, H 190	940	1250	16	78	52	DALI
Cylinder height 340 mm							
911492.00X	D 60, H 340	927	1100	16	69	52	on/off
911492.00X.76	D 60, H 340	927	1100	16	69	52	DALI
911492.00X.1	D 60, H 340	930	1200	16	75	52	on/off
911492.00X.1.76	D 60, H 340	930	1200	16	75	52	DALI
911492.00X.2	D 60, H 340	940	1250	16	78	52	on/off
911492.00X.2.76	D 60, H 340	940	1250	16	78	52	DALI

Comparison
LED vs. conventional lamps

LED 16 W ≈
1 x 75 W QT12 (80 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°









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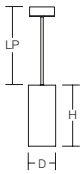


Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 HIT (43 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)

Pendant luminaires | DEECOS P mini - Optic reflector



Type of protection: IP 20
Protection class: I
Impact protection: IK06
Suspension Length: 5000 mm

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black. With MIRO-SILVER® reflector. Transparent pendant cable 5 m, can be shortened, with integrated steel cable.
Canopy made of powder-coated sheet steel with magnetic attachment.

Suitable for decor cylinder DEECOS P tube.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Pendant luminaires - Reflector spot							**Price Category 21**
911513.00X	D 87, H 195	930	2450	20	123	18	on/off
911513.00X.76	D 87, H 195	930	2450	20	123	18	DALI
911513.00X.1	D 87, H 195	940	2550	20	128	18	on/off
911513.00X.1.76	D 87, H 195	940	2550	20	128	18	DALI
911521.00X	D 87, H 195	930	3500	29	121	18	on/off
911521.00X.76	D 87, H 195	930	3500	29	121	18	DALI
911521.00X.1	D 87, H 195	940	3550	29	122	18	on/off
911521.00X.1.76	D 87, H 195	940	3550	29	122	18	DALI
Pendant luminaires - Reflector medium							**Price Category 21**
911514.00X	D 87, H 195	930	2400	20	120	31	on/off
911514.00X.76	D 87, H 195	930	2400	20	120	31	DALI
911514.00X.1	D 87, H 195	940	2450	20	123	31	on/off
911514.00X.1.76	D 87, H 195	940	2450	20	123	31	DALI
911522.00X	D 87, H 195	930	3350	29	116	31	on/off
911522.00X.76	D 87, H 195	930	3350	29	116	31	DALI
911522.00X.1	D 87, H 195	940	3500	29	121	31	on/off
911522.00X.1.76	D 87, H 195	940	3500	29	121	31	DALI
Pendant luminaires - Reflector wide flood							**Price Category 21**
911515.00X	D 87, H 195	930	2450	20	123	60	on/off
911515.00X.76	D 87, H 195	930	2450	20	123	60	DALI
911515.00X.1	D 87, H 195	940	2550	20	128	60	on/off
911515.00X.1.76	D 87, H 195	940	2550	20	128	60	DALI
911523.00X	D 87, H 195	930	3500	29	121	60	on/off
911523.00X.76	D 87, H 195	930	3500	29	121	60	DALI
911523.00X.1	D 87, H 195	940	3650	29	126	60	on/off
911523.00X.1.76	D 87, H 195	940	3650	29	126	60	DALI





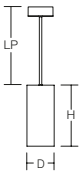




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Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Pendant luminaires | DEECOS P mini - Optic lens





Type of protection: IP 20
Protection class: I
Impact protection: IK06
Suspension Length: 5000 mm

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black.
With optical assembly polycarbonate lens. Transparent pendant cable 5 m, can be shortened, with integrated steel cable. Canopy made of powder-coated sheet steel with magnetic attachment.

Suitable for decor cylinder DEECOS P tube.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Pendant luminaires - Spot lens							**Price Category 21**
911516.00X	D 87, H 195	930	2150	20	108	20	on/off
911516.00X.76	D 87, H 195	930	2150	20	108	20	DALI
911516.00X.1	D 87, H 195	940	2250	20	113	20	on/off
911516.00X.1.76	D 87, H 195	940	2250	20	113	20	DALI
911524.00X	D 87, H 195	930	3050	29	105	20	on/off
911524.00X.76	D 87, H 195	930	3050	29	105	20	DALI
911524.00X.1	D 87, H 195	940	3200	29	110	20	on/off
911524.00X.1.76	D 87, H 195	940	3200	29	110	20	DALI
Pendant luminaires - Medium lens							**Price Category 21**
911517.00X	D 87, H 195	930	2050	20	103	31	on/off
911517.00X.76	D 87, H 195	930	2050	20	103	31	DALI
911517.00X.1	D 87, H 195	940	2100	20	105	31	on/off
911517.00X.1.76	D 87, H 195	940	2100	20	105	31	DALI
911525.00X	D 87, H 195	930	2900	29	100	31	on/off
911525.00X.76	D 87, H 195	930	2900	29	100	31	DALI
911525.00X.1	D 87, H 195	940	3050	29	105	31	on/off
911525.00X.1.76	D 87, H 195	940	3050	29	105	31	DALI
Pendant luminaires - Flood lens							**Price Category 21**
911518.00X	D 87, H 195	930	1900	20	95	44	on/off
911518.00X.76	D 87, H 195	930	1900	20	95	44	DALI
911518.00X.1	D 87, H 195	940	2000	20	100	44	on/off
911518.00X.1.76	D 87, H 195	940	2000	20	100	44	DALI
911526.00X	D 87, H 195	930	2750	29	95	44	on/off
911526.00X.76	D 87, H 195	930	2750	29	95	44	DALI
911526.00X.1	D 87, H 195	940	2850	29	98	44	on/off
911526.00X.1.76	D 87, H 195	940	2850	29	98	44	DALI
Pendant luminaires - Extra wide flood lens							**Price Category 21**
911519.00X	D 87, H 195	930	2200	20	110	72	on/off
911519.00X.76	D 87, H 195	930	2200	20	110	72	DALI
911519.00X.1	D 87, H 195	940	2300	20	115	72	on/off
911519.00X.1.76	D 87, H 195	940	2300	20	115	72	DALI
911527.00X	D 87, H 195	930	3100	29	107	72	on/off
911527.00X.76	D 87, H 195	930	3100	29	107	72	DALI
911527.00X.1	D 87, H 195	940	3250	29	112	72	on/off
911527.00X.1.76	D 87, H 195	940	3250	29	112	72	DALI

Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 HIT (43 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°





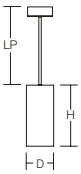




Accessories:
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Pendant luminaires | DEECOS P mini - Oval corridor optic lens



Type of protection: IP 20
Protection class: I
Impact protection: IK06
Suspension Length: 5000 mm

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black. With optical assembly polycarbonate lens. Transparent pendant cable 5 m, can be shortened, with integrated steel cable. Canopy made of powder-coated sheet steel with magnetic attachment.

Suitable for decor cylinder DEECOS P tube.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Comparison LED vs. conventional lamps

LED 20 W ≈
1 x 20 HIT (23 W Psys)

LED 29 W ≈
1 x 35 W HIT (43 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Pendant luminaires - Oval corridor lens							**Price Category 21**
911520.00X	D 87, H 195	930	1850	20	93	40/28	on/off
911520.00X.76	D 87, H 195	930	1850	20	93	40/28	DALI
911520.00X.1	D 87, H 195	940	1950	20	98	40/28	on/off
911520.00X.1.76	D 87, H 195	940	1950	20	98	40/28	DALI
911528.00X	D 87, H 195	930	2650	29	91	40/28	on/off
911528.00X.76	D 87, H 195	930	2650	29	91	40/28	DALI
911528.00X.1	D 87, H 195	940	2750	29	95	40/28	on/off
911528.00X.1.76	D 87, H 195	940	2750	29	95	40/28	DALI

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°



Accessories:
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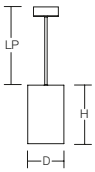


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The application image shows:
DEECOS P



Pendant luminaires | DEECOS P maxi - Optic reflector



Type of protection: IP 20
Protection class: I
Impact protection: IK06
Suspension Length: 2000 mm

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black.
With MIRO-SILVER® reflector. Transparent suspension cable 2 m, can be shortened.
Canopy made of powder-coated sheet steel with magnetic attachment.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Comparison
LED vs. conventional lamps

LED 25 W ≈
1 x 35 HIT (43 W Psys)

LED 35 W ≈
1 x 50 W HIT (56 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Pendant luminaires - Reflector spot							**Price Category 21**
911529.00X	D 123, H 181	930	3050	25	122	12	on/off
911529.00X.76	D 123, H 181	930	3050	25	122	12	DALI
911529.00X.1	D 123, H 181	940	3200	25	128	12	on/off
911529.00X.1.76	D 123, H 181	940	3200	25	128	12	DALI
911536.00X	D 123, H 181	930	4000	35	114	12	on/off
911536.00X.76	D 123, H 181	930	4000	35	114	12	DALI
911536.00X.1	D 123, H 181	940	4200	35	120	12	on/off
911536.00X.1.76	D 123, H 181	940	4200	35	120	12	DALI
Pendant luminaires - Reflector medium							**Price Category 21**
911530.00X	D 123, H 181	930	3150	25	126	21	on/off
911530.00X.76	D 123, H 181	930	3150	25	126	21	DALI
911530.00X.1	D 123, H 181	940	3300	25	132	21	on/off
911530.00X.1.76	D 123, H 181	940	3300	25	132	21	DALI
911537.00X	D 123, H 181	930	4200	35	120	21	on/off
911537.00X.76	D 123, H 181	930	4200	35	120	21	DALI
911537.00X.1	D 123, H 181	940	4300	35	123	21	on/off
911537.00X.1.76	D 123, H 181	940	4300	35	123	21	DALI
Pendant luminaires - Reflector flood							**Price Category 21**
911531.00X	D 123, H 181	930	3150	25	126	33	on/off
911531.00X.76	D 123, H 181	930	3150	25	126	33	DALI
911531.00X.1	D 123, H 181	940	3350	25	134	33	on/off
911531.00X.1.76	D 123, H 181	940	3350	25	134	33	DALI
911538.00X	D 123, H 181	930	4200	35	120	33	on/off
911538.00X.76	D 123, H 181	930	4200	35	120	33	DALI
911538.00X.1	D 123, H 181	940	4350	35	124	33	on/off
911538.00X.1.76	D 123, H 181	940	4350	35	124	33	DALI
Pendant luminaires - Reflector wide flood							**Price Category 21**
911532.00X	D 123, H 181	930	3050	25	122	65	on/off
911532.00X.76	D 123, H 181	930	3050	25	122	65	DALI
911532.00X.1	D 123, H 181	940	3200	25	128	65	on/off
911532.00X.1.76	D 123, H 181	940	3200	25	128	65	DALI
911539.00X	D 123, H 181	930	3950	35	113	65	on/off
911539.00X.76	D 123, H 181	930	3950	35	113	65	DALI
911539.00X.1	D 123, H 181	940	4200	35	120	65	on/off
911539.00X.1.76	D 123, H 181	940	4200	35	120	65	DALI





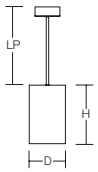




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Pendant luminaires | DEECOS P maxi - Optic lens





Type of protection: IP 20
Protection class: I
Impact protection: IK06
Suspension Length: 2000 mm

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black.
With optical assembly polycarbonate lens. Transparent suspension cable 2 m, can be shortened.
Canopy made of powder-coated sheet steel with magnetic attachment.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Pendant luminaires - Spot lens							**Price Category 21**
911533.00X	D 123, H 181	930	2700	25	108	13	on/off
911533.00X.76	D 123, H 181	930	2700	25	108	13	DALI
911533.00X.1	D 123, H 181	940	2800	25	112	13	on/off
911533.00X.1.76	D 123, H 181	940	2800	25	112	13	DALI
911540.00X	D 123, H 181	930	3500	35	100	13	on/off
911540.00X.76	D 123, H 181	930	3500	35	100	13	DALI
911540.00X.1	D 123, H 181	940	3700	35	106	13	on/off
911540.00X.1.76	D 123, H 181	940	3700	35	106	13	DALI
Pendant luminaires - Medium lens							**Price Category 21**
911534.00X	D 123, H 181	930	2600	25	104	31	on/off
911534.00X.76	D 123, H 181	930	2600	25	104	31	DALI
911534.00X.1	D 123, H 181	940	2700	25	108	31	on/off
911534.00X.1.76	D 123, H 181	940	2700	25	108	31	DALI
911541.00X	D 123, H 181	930	3400	35	97	31	on/off
911541.00X.76	D 123, H 181	930	3400	35	97	31	DALI
911541.00X.1	D 123, H 181	940	3550	35	101	31	on/off
911541.00X.1.76	D 123, H 181	940	3550	35	101	31	DALI
Pendant luminaires - Flood lens							**Price Category 21**
911535.00X	D 123, H 181	930	2650	25	106	42	on/off
911535.00X.76	D 123, H 181	930	2650	25	106	42	DALI
911535.00X.1	D 123, H 181	940	2800	25	112	42	on/off
911535.00X.1.76	D 123, H 181	940	2800	25	112	42	DALI
911542.00X	D 123, H 181	930	3450	35	99	42	on/off
911542.00X.76	D 123, H 181	930	3450	35	99	42	DALI
911542.00X.1	D 123, H 181	940	3650	35	104	42	on/off
911542.00X.1.76	D 123, H 181	940	3650	35	104	42	DALI

Comparison
LED vs. conventional lamps

LED 25 W ≈
1 x 35 HIT (43 W Psys)

LED 35 W ≈
1 x 50 W HIT (56 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°





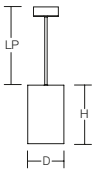




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Pendant luminaires | DEECOS P maxi - Food optic reflector



Type of protection: IP 20
Protection class: I
Impact protection: IK06
Suspension Length: 2000 mm

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black. With MIRO-SILVER® reflector and special food LED. Transparent suspension cable 2 m, can be shortened. Canopy made of powder-coated sheet steel with magnetic attachment.

Available colours (X): 2 = white, 3 = black, 4 = silver

Food LED light colours show food in its best light:

- **bakery** (golden yellow): Baked goods look fresher and the colours are more intense
- **fresh meat** (reddish white): Fresh presentation of sausages and meat, white parts remain white
- **meat +** (intense red): The red colour of sausages and meat is highlighted

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Pendant luminaires - Reflector spot							**Price Category 21**
911557.00X.2	D 123, H 181	bakery	3300	33	100	17	on/off
911557.00X.2.76	D 123, H 181	bakery	3300	33	100	17	DALI
911543.00X	D 123, H 181	fresh meat	2100	33	64	17	on/off
911543.00X.76	D 123, H 181	fresh meat	2100	33	64	17	DALI
911550.00X	D 123, H 181	meat +	2200	33	67	17	on/off
911550.00X.76	D 123, H 181	meat +	2200	33	67	17	DALI
Pendant luminaires - Reflector medium							**Price Category 21**
911558.00X.2	D 123, H 181	bakery	3400	33	103	23	on/off
911558.00X.2.76	D 123, H 181	bakery	3400	33	103	23	DALI
911544.00X	D 123, H 181	fresh meat	2150	33	65	23	on/off
911544.00X.76	D 123, H 181	fresh meat	2150	33	65	23	DALI
911551.00X	D 123, H 181	meat +	2250	33	68	23	on/off
911551.00X.76	D 123, H 181	meat +	2250	33	68	23	DALI
Pendant luminaires - Reflector flood							**Price Category 21**
911559.00X.2	D 123, H 181	bakery	3450	33	105	33	on/off
911559.00X.2.76	D 123, H 181	bakery	3450	33	105	33	DALI
911545.00X	D 123, H 181	fresh meat	2150	33	65	33	on/off
911545.00X.76	D 123, H 181	fresh meat	2150	33	65	33	DALI
911552.00X	D 123, H 181	meat +	2250	33	68	33	on/off
911552.00X.76	D 123, H 181	meat +	2250	33	68	33	DALI
Pendant luminaires - Reflector wide flood							**Price Category 21**
911560.00X.2	D 123, H 181	bakery	3300	33	100	67	on/off
911560.00X.2.76	D 123, H 181	bakery	3300	33	100	67	DALI
911546.00X	D 123, H 181	fresh meat	2050	33	62	67	on/off
911546.00X.76	D 123, H 181	fresh meat	2050	33	62	67	DALI
911553.00X	D 123, H 181	meat +	2150	33	65	67	on/off
911553.00X.76	D 123, H 181	meat +	2150	33	65	67	DALI



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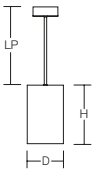






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Pendant luminaires | DEECOS P maxi - Food optic lens





Type of protection: IP 20
Protection class: I
Impact protection: IK06
Suspension Length: 2000 mm

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black. With optical assembly polycarbonate lens and special food LED. Transparent suspension cable 2 m, can be shortened. Canopy made of powder-coated sheet steel with magnetic attachment.

Available colours (X): 2 = white, 3 = black, 4 = silver

Food LED light colours show food in its best light:

- **bakery** (golden yellow): Baked goods look fresher and the colours are more intense
- **fresh meat** (reddish white): Fresh presentation of sausages and meat, white parts remain white
- **meat +** (intense red): The red colour of sausages and meat is highlighted

	superspot	<10°
	spot	10°-20°
	medium	>20°-35°
	flood	>35°-45°
	wide flood	>45°-70°
	extra wide flood	>70°

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Pendant luminaires - Spot lens							**Price Category 21**
911561.00X.2	D 123, H 181	bakery	2950	33	89	17	on/off
911561.00X.2.76	D 123, H 181	bakery	2950	33	89	17	DALI
911547.00X	D 123, H 181	fresh meat	1800	33	55	17	on/off
911547.00X.76	D 123, H 181	fresh meat	1800	33	55	17	DALI
911554.00X	D 123, H 181	meat +	1900	33	58	17	on/off
911554.00X.76	D 123, H 181	meat +	1900	33	58	17	DALI
Pendant luminaires - Medium lens							**Price Category 21**
911562.00X.2	D 123, H 181	bakery	2850	33	86	35	on/off
911562.00X.2.76	D 123, H 181	bakery	2850	33	86	35	DALI
911548.00X	D 123, H 181	fresh meat	1750	33	53	35	on/off
911548.00X.76	D 123, H 181	fresh meat	1750	33	53	35	DALI
911555.00X	D 123, H 181	meat +	1850	33	56	35	on/off
911555.00X.76	D 123, H 181	meat +	1850	33	56	35	DALI
Pendant luminaires - Flood lens							**Price Category 21**
911563.00X.2	D 123, H 181	bakery	2900	33	88	44	on/off
911563.00X.2.76	D 123, H 181	bakery	2900	33	88	44	DALI
911549.00X	D 123, H 181	fresh meat	1800	33	55	44	on/off
911549.00X.76	D 123, H 181	fresh meat	1800	33	55	44	DALI
911556.00X	D 123, H 181	meat +	1900	33	58	44	on/off
911556.00X.76	D 123, H 181	meat +	1900	33	58	44	DALI



Accessories:
Page 285











The application image shows:
DEECOS S
DEECOS P

© Linus Lintner

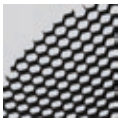
Accessories | DEECOS P micro



Diffuser			Price Category 21
982802.000	D 49, H 3	Safety glass, clear.	
982802.010	D 49, H 3	Safety glass, satin finish.	



Anti-glare honeycomb louvre			Price Category 21
982801.003	D 51, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982806.002	D 57, H 16	White plastic ring for reflector.	
982807.002	D 57, H 16	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982804.003	D 57, H 34	Spot lens, narrow beam	
982804.013	D 57, H 34	Medium lens, medium beam	
982804.023	D 57, H 34	Wide flood lens, very wide beam	
982805.003	D 57, H 34	Lens with oval light distribution for corridor	
982803.003	D 57, H 34	Reflector spot, narrow beam	
982803.013	D 57, H 34	Reflector flood, wide beam	





Accessories | DEECOS P mini

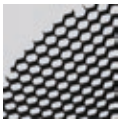
Available colours (X): 2 = white, 3 = black, 4 = silver




Diffuser			Price Category 21
982370.000	D 74, H 3	Safety glass, clear.	
982370.010	D 74, H 3	Safety glass, satin finish.	




Decorative glasses			Price Category 21
982647.002	D 87, H 41	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	
982648.002	D 87, H 76	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	



Anti-glare honeycomb louvre			Price Category 21
982371.003	D 74, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982419.002	D 82, H 20	White plastic ring for reflector.	
982421.002	D 82, H 31	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982368.003	D 82, H 55	Reflector spot, narrow beam	
982368.013	D 82, H 55	Reflector medium, medium beam	
982368.023	D 82, H 55	Reflector flood, wide beam	
982368.033	D 82, H 55	Reflector wide flood, very wide beam	
982369.003	D 82, H 55	Spot lens, narrow beam	
982369.013	D 82, H 55	Medium lens, medium beam	
982369.023	D 82, H 55	Flood lens, wide beam	
982369.033	D 82, H 55	Extra wide flood lens, extremly wide beam	
982369.043	D 82, H 55	Lens with oval light distribution for corridor	



Decorative cylinder DEECOS P tube			Price Category 21
982672.00X	D 95, H 500	Decorative cylinder extension	
982673.00X	D 95, H 750	Decorative cylinder extension	
982674.00X	D 95, H 1000	Decorative cylinder extension	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Accessories | DEECOS P maxi



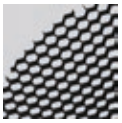
Diffuser			Price Category 21
982374.000	D 111, H 3	Safety glass, clear.	
982374.010	D 111, H 3	Safety glass, satin finish.	




Decorative glasses			Price Category 21
982649.002	D 123, H 41	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	
982650.002	D 123, H 76	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	




Anti-glare honeycomb louvre			Price Category 21
982375.003	D 111, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982420.002	D 118, H 20	White plastic ring for reflector.	
982422.002	D 118, H 33	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982372.003	D 118, H 83	Reflector spot, narrow beam	
982372.013	D 118, H 83	Reflector medium, medium beam	
982372.023	D 118, H 83	Reflector flood, wide beam	
982372.033	D 118, H 83	Reflector wide flood, very wide beam	
982373.003	D 118, H 83	Spot lens, narrow beam	
982373.013	D 118, H 83	Medium lens, medium beam	
982373.023	D 118, H 83	Flood lens, wide beam	





DALI

TOLEDO FLAT

Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Flat cylindrical LED pendant luminaire in three sizes.
- **Reduced:** Very low installation height.

LIGHTING DESIGN

- **Homogenous:** Diffuser made of non-yellowing plastic (PMMA), opal.
- **Combinable:** Mounting rings for retrofitting a fabric lampshade available as accessory.

INSTALLATION

- **Easy installation:** Easy installation with transparent and adjustable 2 m suspension cable and canopy.
- **Applicable:** Corridors, side rooms, hotels, restaurants, conference rooms, private rooms.

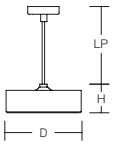


Further luminaires of this series, see:

Indoor lighting | Recessed downlights
Indoor lighting | Recessed modular luminaires
Indoor lighting | Surface mounted downlights
Indoor lighting | Fabric lampshade luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | TOLEDO FLAT



Type of protection: IP 20
Protection class: I
Impact protection: IK06
Suspension Length: 2000 mm

Cylinder housing sheet steel, powder coated. Housing: die cast aluminium and sheet steel, powder-coated. Bezel ring: die-cast aluminium, powder coated. Light guide and diffuser made of non-yellowing PMMA, opal matt. Transparent suspension cable 2 m, can be shortened. Canopy: sheet steel, powder coated.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires						**Price Category 21**
Diffuser: plastic, opal						
Diameter D 192 mm						
901684.002	D 192, H 83	830	780	7,7	101	on/off
901684.002.76	D 192, H 83	830	780	7,7	101	DALI
901684.002.1	D 192, H 83	840	840	7,7	109	on/off
901684.002.1.76	D 192, H 83	840	840	7,7	109	DALI
Diameter D 257 mm						
901685.002	D 257, H 89	830	1650	17	97	on/off
901685.002.76	D 257, H 89	830	1650	17	97	DALI
901685.002.1	D 257, H 89	840	1800	17	106	on/off
901685.002.1.76	D 257, H 89	840	1800	17	106	DALI
Diameter D 319 mm						
901686.002	D 319, H 89	830	2150	22	98	on/off
901686.002.76	D 319, H 89	830	2150	22	98	DALI
901686.002.1	D 319, H 89	840	2250	22	102	on/off
901686.002.1.76	D 319, H 89	840	2250	22	102	DALI

Comparison
LED vs. conventional lamps

LED 7,7 W ≈
1 x 18 W TC-D (26 W Psys)

LED 17 W ≈
2 x 18 W TC-D (52 W Psys)

LED 22 W ≈
2 x 26 W TC-D (68 W Psys)

Accessories | Mounting ring for fabric lamp shades
Retrofittable holder for a tool-free mounting of a lamp shade.
Ring metal powder coated. With M4 threaded and knurled nuts plastic.



Mounting ring for fabric lamp shades			Price Category 21
982387.002	D 204, H 10	For TOLEDO FLAT round D 192 For mounting the lamp shade TOLEDO FLATLINER 242	
982388.002	D 270, H 10	For TOLEDO FLAT round D 257 For mounting the lamp shade TOLEDO FLATLINER 307	
982389.002	D 331, H 10	For TOLEDO FLAT round D 319 For mounting the lamp shade TOLEDO FLATLINER 369	



Further luminaires of this series
and a colour chart with more than 50
available colours, see:
Indoor Lighting: Fabric lampshade luminaires



Phase-cut | DALI | Touch DIM | IP40 | IK10

FLAT POLYMERO® KREIS SLIM

Pendant luminaires

ARCHITECTURE

- **Versatile:** Surface-mounted and suspended luminaires.
- **Long service life:** Diffuser made of non-yellowing PMMA or impact resistant PC.

LIGHTING DESIGN

- **Uniform:** Homogeneous and smooth light distribution.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

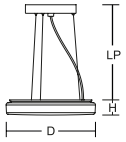
INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Patented fastening system for opening the luminaire(s) without tools.
- **Standard:** Suitable for through-wiring.

Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - decorative

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | FLAT POLYMERO KREIS SLIM





Type of protection: **IP 40**
Protection class: I
Impact protection: IK03 (PMMA), IK10 (polycarbonate)
Suspension Length: 200-1300 mm, 350-1300 mm

Base and canopy: metal, powder-coated, white. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system. Canopy Ø 205 mm, h 35 mm. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires						**Price Category 11**
Diffuser: plastic (PMMA)						
Diameter D 360 mm, LP 200-1300 mm						
312089.002.1 */**	D 360, H 61	830	1900	19	100	Phase-cut
312089.002.1.76 */***	D 360, H 61	830	1900	19	100	DALI
312089.002.3 */**	D 360, H 61	840	2000	19	105	Phase-cut
312089.002.3.76 */***	D 360, H 61	840	2100	19	111	DALI
Diameter D 460 mm, LP 200-1300 mm						
312241.002.1 */**	D 460, H 68	830	2600	24	108	Phase-cut
312241.002.1.76 */***	D 460, H 68	830	3000	32	94	DALI
312241.002.3 */**	D 460, H 68	840	2750	24	115	Phase-cut
312241.002.3.76 */***	D 460, H 68	840	3150	31	102	DALI
Diameter D 515 mm, LP 350-1300 mm						
312091.002.1 */**	D 515, H 69	830	3100	29	107	Phase-cut
312091.002.1.76 */***	D 515, H 69	830	3700	40	93	DALI
312091.002.3 */**	D 515, H 69	840	3400	28	121	Phase-cut
312091.002.3.76 */***	D 515, H 69	840	3800	38	100	DALI
Diffuser: plastic (polycarbonate)						
Diameter D 360 mm, LP 200-1300 mm						
312089.002.2 */**	D 360, H 61	830	2000	19	105	Phase-cut
312089.002.2.76 */***	D 360, H 61	830	2000	19	105	DALI
312089.002.4 */**	D 360, H 61	840	2050	19	108	Phase-cut
312089.002.4.76 */***	D 360, H 61	840	2150	19	113	DALI
Diameter D 460 mm, LP 200-1300 mm						
312241.002.2 */**	D 460, H 68	830	2850	24	119	Phase-cut
312241.002.2.76 */***	D 460, H 68	830	3300	32	103	DALI
312241.002.4 */**	D 460, H 68	840	3000	24	125	Phase-cut
312241.002.4.76 */***	D 460, H 68	840	3450	31	111	DALI
Diameter D 515 mm, LP 350-1300 mm						
312091.002.2 */**	D 515, H 69	830	3400	29	117	Phase-cut
312091.002.2.76 */***	D 515, H 69	830	4050	40	101	DALI
312091.002.4 */**	D 515, H 69	840	3500	28	125	Phase-cut
312091.002.4.76 */***	D 515, H 69	840	4150	38	109	DALI

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)

Touch DIM Applies to versions with .76

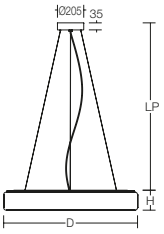
Comparison LED vs. conventional lamps

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

LED 24 W ≈
3 x 26 W TC-D (102 W Psys)

LED 28 / 29 / 31 / 32 / 38 / 40 W ≈
4 x 26 W TC-D (112 W Psys)

Pendant luminaires | FLAT POLYMERO KREIS XXL





Type of protection: **IP 40**
Protection class: I
Impact protection: IK07 (PMMA), IK10 (polycarbonate)
Suspension Length: 600-1300 mm

Base and canopy: metal, powder-coated, white. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: sash lock. Canopy Ø 205 mm, h 35 mm. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires						**Price Category 21**
Diffuser: plastic (PMMA) D 1040 mm						
311697.002.76	D 1040, H 150	830	9600	100	96	DALI
311697.002.1.76	D 1040, H 150	840	10400	100	104	DALI
Diffuser: plastic (polycarbonate) D 1040 mm						
311697.002.2.76	D 1040, H 150	830	10400	100	104	DALI
311697.002.3.76	D 1040, H 150	840	11300	100	113	DALI

Comparison LED vs. conventional lamps

LED 100 W ≈
4 x 55 W TC-L (232 W Psys)



Phase-cut | DALI | Touch DIM | IP40 | IK10

FLAT POLYMERO®

Pendant luminaires

ARCHITECTURE

- **Versatile:** Surface-mounted and suspended luminaires.
- **Long service life:** Diffuser made of non-yellowing PMMA or impact resistant PC.

LIGHTING DESIGN

- **Uniform:** Homogeneous and smooth light distribution.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

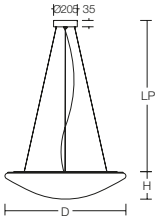
INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Patented fastening system for opening the luminaire(s) without tools.
- **Standard:** Suitable for through-wiring.

Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - decorative

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | FLAT POLYMERO



Type of protection: **IP 40**
Protection class: I
Impact protection: IK03 (PMMA), IK10 (polycarbonate)
Suspension Length: 200-1300 mm, 350-1300 mm

Base and canopy: metal, powder-coated, white. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system. Canopy Ø 205 mm, h 35 mm. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 2 = white

Touch DIM Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires						**Price Category 11**
Diffuser: plastic (PMMA)						
D 360 mm, LP 200-1300 mm						
311974.002.3 */**	D 360, H 100	830	1850	19	97	Phase-cut
311974.002.3.76 */***	D 360, H 100	830	1850	19	97	DALI
311974.002.1 */**	D 360, H 100	840	1950	19	103	Phase-cut
311974.002.1.76 */***	D 360, H 100	840	2050	19	108	DALI
D 460 mm, LP 200-1300 mm						
312245.002.3 */**	D 460, H 120	830	2750	24	115	Phase-cut
312245.002.3.76 */***	D 460, H 120	830	3200	32	100	DALI
312245.002.1 */**	D 460, H 120	840	2850	24	119	Phase-cut
312245.002.1.76 */***	D 460, H 120	840	3350	31	108	DALI
D 515 mm, LP 350-1300 mm						
312093.002.3 */**	D 515, H 150	830	3200	29	110	Phase-cut
312093.002.3.76 */***	D 515, H 150	830	3750	40	94	DALI
312093.002.1 */**	D 515, H 150	840	3450	28	123	Phase-cut
312093.002.1.76 */***	D 515, H 150	840	3800	38	100	DALI
D 620 mm, LP 350-1300 mm						
312097.002.3 */**	D 620, H 160	830	3200	29	110	Phase-cut
312097.002.3.76 */***	D 620, H 160	830	3750	40	94	DALI
312097.002.1 */**	D 620, H 160	840	3450	28	123	Phase-cut
312097.002.1.76 */***	D 620, H 160	840	3800	38	100	DALI
Diffuser: plastic (polycarbonate)						
D 360 mm, LP 200-1300 mm						
311974.002.4 */**	D 360, H 100	830	1900	19	100	Phase-cut
311974.002.4.76 */***	D 360, H 100	830	1900	19	100	DALI
311974.002.2 */**	D 360, H 100	840	2000	19	105	Phase-cut
311974.002.2.76 */***	D 360, H 100	840	2100	19	111	DALI
D 460 mm, LP 200-1300 mm						
312245.002.4 */**	D 460, H 120	830	2950	24	123	Phase-cut
312245.002.4.76 */***	D 460, H 120	830	3450	32	108	DALI
312245.002.2 */**	D 460, H 120	840	2950	24	123	Phase-cut
312245.002.2.76 */***	D 460, H 120	840	3450	31	111	DALI
D 515 mm, LP 350-1300 mm						
312093.002.4 */**	D 515, H 150	830	3250	29	112	Phase-cut
312093.002.4.76 */***	D 515, H 150	830	3800	40	95	DALI
312093.002.2 */**	D 515, H 150	840	3500	28	125	Phase-cut
312093.002.2.76 */***	D 515, H 150	840	3850	38	101	DALI
D 620 mm, LP 350-1300 mm						
312097.002.4 */**	D 620, H 160	830	3250	29	112	Phase-cut
312097.002.4.76 */***	D 620, H 160	830	3850	40	96	DALI
312097.002.2 */**	D 620, H 160	840	3500	28	125	Phase-cut
312097.002.2.76 */***	D 620, H 160	840	3900	38	103	DALI

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)

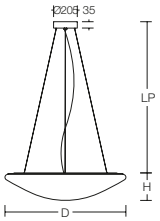
Comparison LED vs. conventional lamps

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

LED 24 W ≈
3 x 26 W TC-D (102 W Psys)

LED 28 / 29 / 31 / 32 / 38 / 40 W ≈
4 x 26 W TC-D (112 W Psys)

Pendant luminaires | FLAT POLYMERO XXL



Type of protection: **IP 40**
Protection class: I
Impact protection: IK10
Suspension Length: 600-1300 mm

Base and canopy: metal, powder-coated, white. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: sash lock. Canopy Ø 205 mm, h 35 mm. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pendant luminaires						**Price Category 21**
Diffuser: plastic (PMMA) D 1040 mm						
311696.002.76	D 1040, H 230	830	9450	100	95	DALI
311696.002.1.76	D 1040, H 230	840	10300	100	103	DALI
Diffuser: plastic (polycarbonate) D 1040 mm						
311696.002.2.76	D 1040, H 230	830	10000	100	100	DALI
311696.002.3.76	D 1040, H 230	840	10900	100	109	DALI

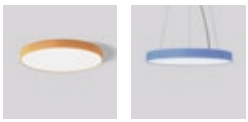
Comparison LED vs. conventional lamps

LED 100 W ≈
4 x 55 W TC-L (232 W Psys)



The application image shows:
TOLEDO FLATLINER

© Linus Lintner


298-299

300-301

FLATLINER SLIM
296-301


304-305


306-307

TOLEDO FLAT
302-307


310-311


310-311


312-313


312-313

TOLEDO FLATLINER
308-313


315


315


316

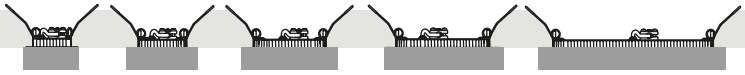

316

FLATLINER
314-316

Ceiling luminaires

TOLEDO FLAT round

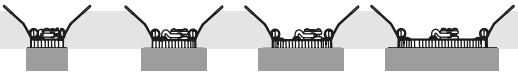
H 60



○ 153 ○ 195 ○ 260 ○ 322 ○ 500

TOLEDO FLAT square

H 60



□ 115 □ 177 □ 230 □ 305

FLATLINER SLIM

H 60



○ 260 ○ 322 ○ 422 ○ 500 ○ 600

TOLEDO FLATLINER

H 120



○ 200 ○ 242 ○ 307 ○ 369
□ 200 □ 242 □ 307 □ 369

FLATLINER

H 250



○ 550 ○ 700 ○ 1100
□ 550 □ 700 □ 1100

TOLEDO FLATLINER

H 300



○ 200 ○ 242 ○ 307 ○ 369
□ 200 □ 242 □ 307 □ 369

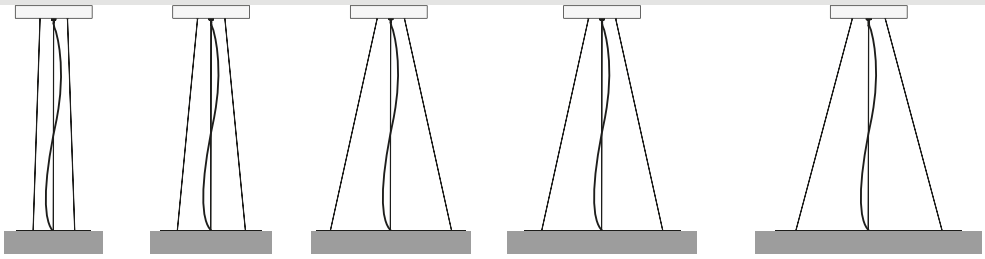
Colour options of the chintz lampshades



Pendant luminaires

FLATLINER SLIM

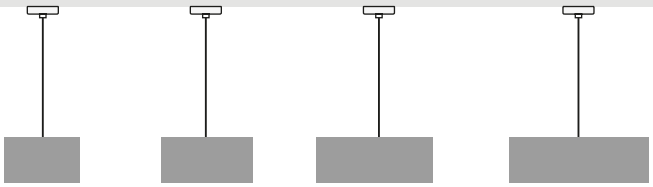
H 60



○ 260 ○ 322 ○ 422 ○ 500 ○ 600

TOLEDO FLATLINER

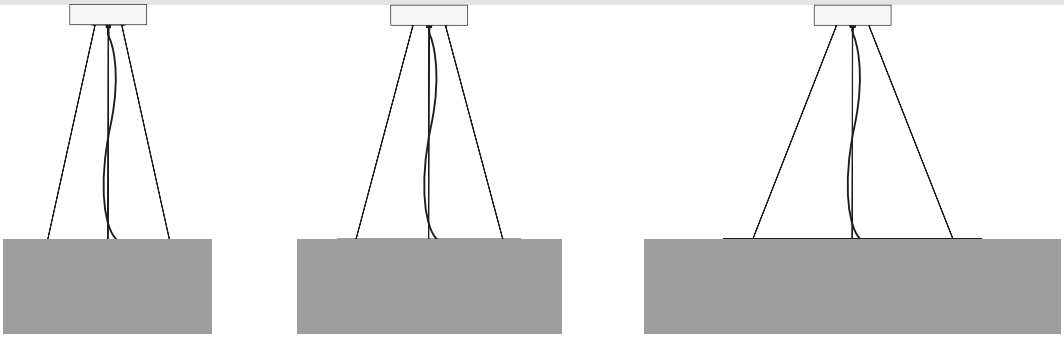
H 120



○ 200 ○ 242 ○ 307 ○ 369
□ 200 □ 242 □ 307 □ 369

FLATLINER

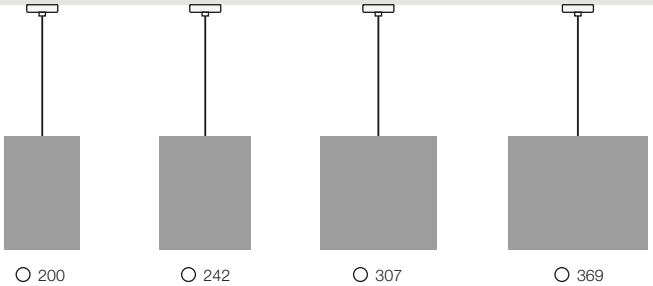
H 250



○ 550 ○ 700 ○ 1100
□ 550 □ 700 □ 1100

TOLEDO FLATLINER

H 300



○ 200 ○ 242 ○ 307 ○ 369
□ 200 □ 242 □ 307 □ 369



Phase-cut | DALI | Touch DIM

FLATLINER SLIM

Ceiling luminaires, Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Decorative fabric lampshade luminaire for room design.
- **Individual:** More than 50 different standard colours to choose for the fabric lampshade.
- **Advantageous:** Very flat design with a height of only 60 mm.

LIGHTING DESIGN

- **Anti-glare:** Particularly homogeneous, soft and glare-free light thanks to the use of AC boards.
- **Standard:** Includes satin-finish diffuser.
- **Varied:** Material of fabric lampshade chintz or optionally also flame retardant fabric in compliance with B1.

INSTALLATION

- **Optimum:** Ceiling or pendant mounting.
- **Easy installation:** Fabric lampshades can be fitted to the basic luminaire without tools.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

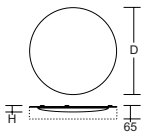


© shutterstock

The application image shows:
FLATLINER SLIM



Ceiling luminaires | FLATLINER SLIM



Type of protection: IP 20
Protection class: I
Basic luminaire: Base: metal, white, powder-coated. Fabric lampshade and diffuser can be assembled without the use of tools.

Fabric lampeshade with classic chintz fabric. Covering surface Chintz, various fabric colors available. Diffuser made of plastic satin finish.

Modular design: The fabric lampshades need to be ordered separately for each luminaire. Color code for the fabric lampshade must be specified in the order.

Available colours (Y): Color code overview see page 317.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Touch DIM Applies to versions with .76

Comparison LED vs. conventional lamps

LED 11 / 12 / 13 W ≈
2 x 18 W TC-D (52 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment FLATLINER SLIM 260						**Price Category 21**
312280.002 */**	D 255, H 34	830	950	12	79	Phase-cut
312280.002.76 */***	D 255, H 34	830	950	12	79	DALI
312280.002.1 */**	D 255, H 34	840	1050	11	95	Phase-cut
312280.002.1.76 */***	D 255, H 34	840	1050	13	81	DALI

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)
Indication of luminaire flux when using the white fabric lampshade.



Chintz fabric lampshades FLATLINER SLIM 260			Price Category 21
982555.Y	D 260, H 60	Chintz lampshade with satin finish diffuser made of plastic	

Comparison LED vs. conventional lamps

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment FLATLINER SLIM 322						**Price Category 21**
312281.002 */**	D 317, H 34	830	1600	19	84	Phase-cut
312281.002.76 */***	D 317, H 34	830	1600	19	84	DALI
312281.002.1 */**	D 317, H 34	840	1700	19	89	Phase-cut
312281.002.1.76 */***	D 317, H 34	840	1700	19	89	DALI

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)
Indication of luminaire flux when using the white fabric lampshade.



Chintz fabric lampshades FLATLINER SLIM 322			Price Category 21
982556.Y	D 322, H 60	Chintz lampshade with satin finish diffuser made of plastic	

Comparison LED vs. conventional lamps

LED 24 / 31 W ≈
2 x 26 W TC-D (68 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment FLATLINER SLIM 422						**Price Category 21**
312283.002 */**	D 418, H 34	830	1900	24	79	Phase-cut
312283.002.76 */***	D 418, H 34	830	2200	31	71	DALI
312283.002.1 */**	D 418, H 34	840	2050	24	85	Phase-cut
312283.002.1.76 */***	D 418, H 34	840	2400	31	77	DALI

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)
Indication of luminaire flux when using the white fabric lampshade.



Chintz fabric lampshades FLATLINER SLIM 422			Price Category 21
982557.Y	D 422, H 60	Chintz lampshade with satin finish diffuser made of plastic	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment FLATLINER SLIM 500						**Price Category 21**
312285.002 *	D 496, H 34	830	2300	29	79	Phase-cut
312285.002.76 */**	D 496, H 34	830	2750	38	72	DALI
312285.002.1 *	D 496, H 34	840	2500	28	89	Phase-cut
312285.002.1.76 */**	D 496, H 34	840	3000	38	79	DALI

* With mains voltage LED | ** DALI dimmable (10-100%)Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 28 / 29 / 38 W ≈
3 x 26 W TC-D (102 W Psys)

Chintz fabric lampshades FLATLINER SLIM 500			**Price Category 21**
982558.Y	D 500, H 60	Chintz lampshade with satin finish diffuser made of plastic	



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment FLATLINER SLIM 600						**Price Category 21**
312287.002 *	D 596, H 34	830	2300	29	79	Phase-cut
312287.002.76 */**	D 596, H 34	830	2750	38	72	DALI
312287.002.1 *	D 596, H 34	840	2500	28	89	Phase-cut
312287.002.1.76 */**	D 596, H 34	840	3000	38	79	DALI

* With mains voltage LED | ** DALI dimmable (10-100%)Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 28 / 29 / 38 W ≈
3 x 26 W TC-D (102 W Psys)

Chintz fabric lampshades FLATLINER SLIM 600			**Price Category 21**
982559.Y	D 600, H 60	Chintz lampshade with satin finish diffuser made of plastic	



Colour chart Chintz lampshades			**Price Category 21**
W06630	L 150, B 65, H 40	Chintz lampshades are available in more than 50 different colours.	

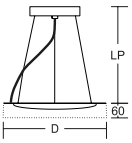




Color code overview for the fabric lampshades see page 317



Pendant luminaires | FLATLINER SLIM



Type of protection: IP 20
Protection class: I
Suspension Length: 200-1300 mm

Basic luminaire: Base and canopy: metal, powder-coated, white. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Transparent connecting cable.
Fabric lampshade and diffuser can be assembled without the use of tools.

Fabric lampeshade with classic chintz fabric. Covering surface Chintz, various fabric colors available.
Diffuser made of plastic satin finish.

Modular design: The fabric lampshades need to be ordered separately for each luminaire. Color code for the fabric lampshade must be specified in the order.

Available colours (Y): Color code overview see page 317.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Applies to versions with .76

Comparison LED vs. conventional lamps

LED 11 / 12 / 13 W ≈
2 x 18 W TC-D (52 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment FLATLINER SLIM 260						**Price Category 21**
312289.002 */**	D 255, H 34	830	950	12	79	Phase-cut
312289.002.76 */***	D 255, H 34	830	950	12	79	DALI
312289.002.1 */**	D 255, H 34	840	1050	11	95	Phase-cut
312289.002.1.76 */***	D 255, H 34	840	1050	13	81	DALI

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)
Indication of luminaire flux when using the white fabric lampshade.



Chintz fabric lampshades FLATLINER SLIM 260			Price Category 21
982555.Y	D 260, H 60	Chintz lampshade with satin finish diffuser made of plastic	

Comparison LED vs. conventional lamps

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment FLATLINER SLIM 322						**Price Category 21**
312282.002 */**	D 317, H 34	830	1600	19	84	Phase-cut
312282.002.76 */***	D 317, H 34	830	1600	19	84	DALI
312282.002.1 */**	D 317, H 34	840	1700	19	89	Phase-cut
312282.002.1.76 */***	D 317, H 34	840	1700	19	89	DALI

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)
Indication of luminaire flux when using the white fabric lampshade.



Chintz fabric lampshades FLATLINER SLIM 322			Price Category 21
982556.Y	D 322, H 60	Chintz lampshade with satin finish diffuser made of plastic	

Comparison LED vs. conventional lamps

LED 24 / 31 W ≈
2 x 26 W TC-D (68 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment FLATLINER SLIM 422						**Price Category 21**
312284.002 */**	D 418, H 34	830	1900	24	79	Phase-cut
312284.002.76 */***	D 418, H 34	830	2200	31	71	DALI
312284.002.1 */**	D 418, H 34	840	2050	24	85	Phase-cut
312284.002.1.76 */***	D 418, H 34	840	2400	31	77	DALI

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)
Indication of luminaire flux when using the white fabric lampshade.



Chintz fabric lampshades FLATLINER SLIM 422			Price Category 21
982557.Y	D 422, H 60	Chintz lampshade with satin finish diffuser made of plastic	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment FLATLINER SLIM 500						**Price Category 21**
312286.002 *	D 496, H 34	830	2300	29	79	Phase-cut
312286.002.76 */**	D 496, H 34	830	2750	38	72	DALI
312286.002.1 *	D 496, H 34	840	2500	28	89	Phase-cut
312286.002.1.76 */**	D 496, H 34	840	3000	38	79	DALI

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)
Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 28 / 29 / 38 W ≈
3 x 26 W TC-D (102 W Psys)

Chintz fabric lampshades FLATLINER SLIM 500		**Price Category 21**
982558.Y	D 500, H 60	Chintz lampshade with satin finish diffuser made of plastic



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment FLATLINER SLIM 600						**Price Category 21**
312288.002 *	D 596, H 34	830	2300	29	79	Phase-cut
312288.002.76 */**	D 596, H 34	830	2750	38	72	DALI
312288.002.1 *	D 596, H 34	840	2500	28	89	Phase-cut
312288.002.1.76 */**	D 596, H 34	840	3000	38	79	DALI

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)
Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 28 / 29 / 38 W ≈
3 x 26 W TC-D (102 W Psys)

Chintz fabric lampshades FLATLINER SLIM 600		**Price Category 21**
982559.Y	D 600, H 60	Chintz lampshade with satin finish diffuser made of plastic



Colour chart Chintz lampshades			**Price Category 21**
W06630	L 150, B 65, H 40	Chintz lampshades are available in more than 50 different colours.	





Color code overview for the fabric lampshades see page 317



Tunable White | HCL ready | DALI | Casambi smart+ free | Master-Slave | Bluetooth® Mesh | Corridor Function | Plug & Play | IP 54

GERMAN DESIGN AWARD WINNER 2018

TOLEDO FLAT

Recessed downlights with decorative fabric lampshade (accessories)

ARCHITECTURE

- **Design-oriented:** Minimalist design. Shallow recessed depth.
- **Protected:** High protection type IP 54 on the room side.
- **Advantageous:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Safe:** Also available as an emergency luminaire in accordance with EN 60598-2-22.
- **Applicable:** Corridors, side rooms, hotels, restaurants, conference rooms, private rooms.

LIGHTING DESIGN

- **Homogenous:** Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic.
- **Variable:** Tunable white dynamically adjustable from 2700 K to 6500 K.
- **Optimum:** LED rated life 50,000 h (L80/B50).
- **Dynamic:** Versions with connected HF motion detector can be configured through app via Bluetooth® or buttons.
- **Combinable:** Retrofittable decorative chintz lampshades as accessory.

INSTALLATION

- **Easy installation:** Simple mounting spring system for installation without tools.
- **Straightforward:** Easy installation with Plug & Play plug connection.
- **Expandable:** Suitable for through-wiring with separately available accessories.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.
- **Smart Lighting:** HF motion detector with DALI and Bluetooth® interfaces for switching, dimming and networking from individual luminaires up to complex light installations.



Further luminaires of this series, see:

Indoor lighting | Recessed modular luminaires
Indoor lighting | Recessed mounted downlights
Indoor lighting | Surface mounted downlights
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Options for TOLEDO FLAT(LINER)

TOLEDO FLAT





Basic luminaire for ceiling or pendant mounting.









Chintz fabric lampshade available in cuboid or cylinder shape in more than 50 different colours.
See page 317 for overview of colours.

TOLEDO FLATLINER





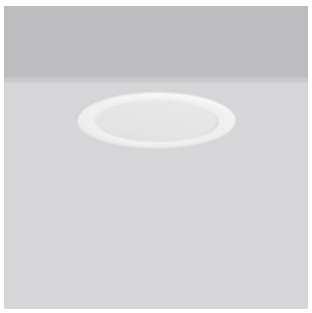




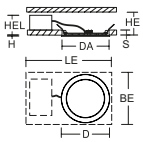




Satin finish diffusers made of polycarbonate are optionally available.



Recessed downlights | TOLEDO FLAT round



Type of protection: **IP 54**
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA). Ceiling installation with spring system. Mounting depth depends on ceiling strength. Including separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison
LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W Psys)

LED 7,7 W ≈
1 x 18 W TC-D (26 W Psys)

LED 17 / 19 W ≈
1 x 32 W TC-TEL (36 W Psys)

LED 22 / 24 W ≈
2 x 26 W TC-D (68 W Psys)

LED 30 W ≈
3 x 26 W TC-D (102 W Psys)

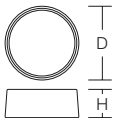
✓
This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control	
Recessed downlights								**Price Category 21**
Diffuser: plastic, opal								
Ceiling cut out DA 128 mm								
901451.002 .Q	D 148, H 2, HE 27-53	830	470	5	94	110	on/off	✓
901451.002.76	D 148, H 2, HE 31-53	830	470	5	94	110	DALI	
901451.002.1	D 148, H 2, HE 27-53	840	530	5	106	110	on/off	✓
901451.002.1.76	D 148, H 2, HE 31-53	840	530	5	106	110	DALI	
Ceiling cut out DA 170 mm								
901452.002 .Q	D 190, H 2, HE 27-53	830	780	7,7	101	110	on/off	✓
901452.002.76	D 190, H 2, HE 31-53	830	780	7,7	101	110	DALI	
901452.002.1 .Q	D 190, H 2, HE 27-53	840		7,7	109	110	on/off	✓
901452.002.1.76	D 190, H 2, HE 31-53	840		7,7	109	110	DALI	
Ceiling cut out DA 234 mm								
901453.002 .Q	D 255, H 3, HE 30-56	830	1650	17	97	110	on/off	✓
901453.002.76 .Q	D 255, H 3, HE 31-56	830	1650	17	97	110	DALI	
901453.002.1 .Q	D 255, H 3, HE 30-56	840	1800	17	106	110	on/off	✓
901453.002.1.76 .Q	D 255, H 3, HE 31-56	840	1800	17	106	110	DALI	
Tunable White - 2700 K to 6500 K								
901666.002.76	D 255, H 3, HE 30-56	827-865	1700	19	89	110	DALI	
901666.002.730	D 255, H 3, HE 55-75	827-865	1700	19	89	110	smart+free	
Ceiling cut out DA 288 mm								
901484.002 .Q	D 317, H 3, HE 31-54	830	2150	22	98	108	on/off	✓
901484.002.76	D 317, H 3, HE 31-54	830	2150	22	98	108	DALI	
901484.002.1 .Q	D 317, H 3, HE 31-54	840	2250	22	102	108	on/off	✓
901484.002.1.76	D 317, H 3, HE 31-54	840	2250	22	102	108	DALI	
Tunable White - 2700 K to 6500 K								
901667.002.76	D 317, H 3, HE 31-54	827-865	2450	24	104	108	DALI	
901667.002.730	D 317, H 3, HE 55-75	827-865	2350	24	98	108	smart+free	
Ceiling cut out DA 470 mm								
901585.002	D 495, H 6, HE 40-59	830	3550	30	118	113	on/off	
901585.002.76	D 495, H 6, HE 40-59	830	3550	30	118	113	DALI	
901585.002.1	D 495, H 6, HE 40-59	840	3600	30	120	113	on/off	
901585.002.1.76	D 495, H 6, HE 40-59	840	3600	30	120	113	DALI	
Tunable White - 2700 K to 6500 K								
901668.002.76	D 495, H 6, HE 35-55	827-865	3150	30	105	113	DALI	
901668.002.730	D 495, H 6, HE 55-75	827-865	3150	30	105	113	smart+free	


without diffuser


with diffuser

Accessories | Chintz decorative element TOLEDO FLAT round



Fabric shade with classic chintz fabric. Can be retrofitted without tools to the recessed downlight. Various fabric colors available.

Color code must be specified in the order.

Available colour (Y): Color code overview see page 317

Please be aware of possible increased freight charges for deliveries outside of Germany.

Chintz lampshades			**Price Category 21**
982319.Y	D 153, H 60	Chintz decorative cylinder for TOLEDO FLAT round D 148	
982320.Y	D 195, H 60	Chintz decorative cylinder for TOLEDO FLAT round D 190	
982321.Y	D 260, H 60	Chintz decorative cylinder for TOLEDO FLAT round D 255	
982322.Y	D 322, H 60	Chintz decorative cylinder for TOLEDO FLAT round D 317	
982323.Y	D 500, H 60	Chintz decorative cylinder for TOLEDO FLAT round D 495	

Cannot be fitted with surface mount housing

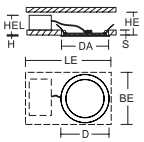
Satin finish plastic diffuser (optional)			**Price Category 21**
Can be installed on the decorative element without any tools			
982324.002	D 151, H 4	Accessories for chintz decorative cylinder D 153	
982325.002	D 193, H 4	Accessories for chintz decorative cylinder D 195	
982326.002	D 258, H 4	Accessories for chintz decorative cylinder D 260	
982327.002	D 320, H 4	Accessories for chintz decorative cylinder D 322	
982328.002	D 498, H 4	Accessories for chintz decorative cylinder D 500	



Colour chart Chintz lampshades		**Price Category 21**
W06630	Chintz lampshades are available in more than 50 different colours.	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

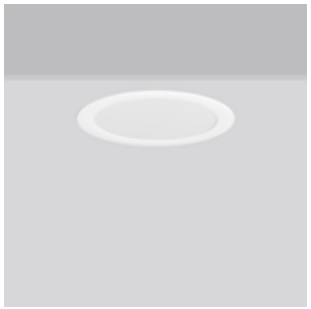
Recessed downlights | TOLEDO FLAT round - movement sensor DALI/BT



Type of protection: IP 20, **IP 54** on room side
Protection class: I
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA).
Ceiling installation with spring system. Mounting depth depends on ceiling strength.
Including separate LED converter with connecting cable 250 mm.

Available colour: 2 = white





Function parameters: HF motion detector Bluetooth® DALI

- HF detector 5.8 GHz
- Holding time: 5 sec. - 60 min., adjustable in 13 steps
- Detection angle 120°
- Range: up to 8 m; adjustable in 10% steps.
- Factory setting: holding time 30 seconds, range approx. 6 m, dim level 30%.
- Dim functions: Soft Start, Corridor, Permanent
- Additional functions: create profiles and groups, networking the sensors
- Functions adjustable via MICAS Autolight app on tablet or smartphone
- Master-master via Bluetooth® mesh and master-slave wired
- Master-slave: up to three additional Toledo Flat DALI 17 W can be connected
- Brightness sensor without function.

Comparison
LED vs. conventional lamps

LED 17 W ≈
1 x 32 W TC-TEL (36 W Psys)

Download on the App Store

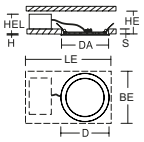
GET IT ON Google Play

MICAS Autolight App download now!

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights with connected movement sensor adjustable with app via Bluetooth®-DAL							**Price Category 21**
Ceiling cut out DA 234 mm							
901715.002.19	D 255, H 3, HE 55-76	830	1650	17	98	110	smart+free
901715.002.1.19	D 255, H 3, HE 55-76	840	1800	17	106	109	smart+free

Not suitable for metal ceilings.

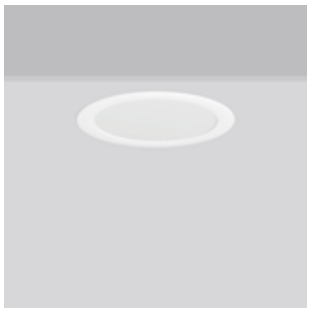
Recessed downlights | TOLEDO FLAT round - movement sensor EASY



Type of protection: IP 20, **IP 54** on room side
Protection class: I
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA).
Ceiling installation with spring system. Mounting depth depends on ceiling strength.
Including separate LED converter with connecting cable 250 mm.

Available colour: 2 = white





Function parameters: HF motion detector EASY

- HF detector 5.8 GHz
- Holding time: 10 sec. - 20 min., adjustable in 7 steps.
- Detection angle 120°
- Range: up to 8 m; adjustable in 5 steps.
- Factory setting: holding time 15 minutes, range approx. 6 m.
- Adjustable in control gear box
- Master-slave: up to three additional Toledo Flat on/off 17 W can be connected
- Brightness sensor without function.

Comparison
LED vs. conventional lamps

LED 17 W ≈
1 x 32 W TC-TEL (36 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights with connected movement sensor EASY adjustable with buttons							**Price Category 21**
Ceiling cut out DA 234 mm							
901453.002.19	D 255, H 3, HE 55-76	830	1650	17	98	110	on/off
901453.002.1.19	D 255, H 3, HE 55-76	840	1800	17	106	109	on/off

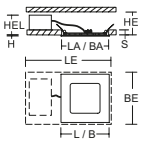
Not suitable for metal ceilings.

Color code overview for the fabric lampshades see page 317





Recessed downlights | TOLEDO FLAT square



Type of protection: **IP 54**
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA). Ceiling installation with spring system. Mounting depth depends on ceiling strength. Including separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison
LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W Psys)

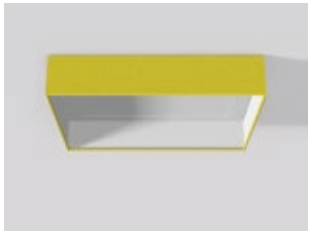
LED 8 W ≈
1 x 18 W TC-D (26 W Psys)

LED 17 / 19 W ≈
1 x 32 W TC-TEL (36 W Psys)

LED 21 / 24 W ≈
2 x 26 W TC-D (68 W Psys)

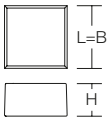
✓
This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control	
Recessed downlights								**Price Category 21**
Diffuser: plastic, opal								
Ceiling cut out LA 96 x BA 96 mm								
901485.002	L 110, B 110, H 3, HE 27-56	830	420	5	84	107	on/off	✓
901485.002.76	L 110, B 110, H 3, HE 31-56	830	420	5	84	107	DALI	
901485.002.1	L 110, B 110, H 3, HE 27-56	840	430	5	86	107	on/off	✓
901485.002.1.76	L 110, B 110, H 3, HE 31-56	840	430	5	86	107	DALI	
Ceiling cut out LA 156 x BA 156 mm								
901486.002	L 172, B 172, H 3, HE 28-56	830	770	8	97	108	on/off	✓
901486.002.76	L 172, B 172, H 3, HE 31-56	830	770	8	97	108	DALI	
901486.002.1	L 172, B 172, H 3, HE 28-56	840	800	8	100	108	on/off	✓
901486.002.1.76	L 172, B 172, H 3, HE 31-56	840	800	8	100	108	DALI	
Ceiling cut out LA 208 x BA 208 mm								
901487.002	L 225, B 225, H 3, HE 29-56	830	1650	17	98	108	on/off	✓
901487.002.76	L 225, B 225, H 3, HE 31-56	830	1650	17	98	108	DALI	
901487.002.1	L 225, B 225, H 3, HE 29-56	840	1800	17	106	108	on/off	✓
901487.002.1.76	L 225, B 225, H 3, HE 31-56	840	1800	17	106	108	DALI	
Tunable White - 2700 K to 6500 K								
901670.002.76	L 225, B 225, H 3, HE 29-56	827-865	1600	19	87	108	DALI	
901670.002.730	L 225, B 225, H 3, HE 55-75	827-865	1600	19	87	108	smart+free	
Ceiling cut out LA 280 x BA 280 mm								
901488.002	L 300, B 300, H 3, HE 31-56	830	2150	21	103	108	on/off	✓
901488.002.76	L 300, B 300, H 3, HE 31-56	830	2150	21	103	108	DALI	
901488.002.1 .Q	L 300, B 300, H 3, HE 31-56	840	2250	21	108	108	on/off	✓
901488.002.1.76	L 300, B 300, H 3, HE 31-56	840	2250	21	108	108	DALI	
Tunable White - 2700 K to 6500 K								
901671.002.76	L 300, B 300, H 3, HE 31-56	827-865	2400	24	100	108	DALI	
901671.002.730	L 300, B 300, H 3, HE 55-75	827-865	2400	24	100	108	smart+free	


without diffuser


with diffuser

Accessories | Chintz decorative element TOLEDO FLAT square



Fabric shade with classic chintz fabric. Can be retrofitted without tools to the recessed downlight. Various fabric colors available.

Color code must be specified in the order.

Available colour (Y): Color code overview see page 317

Please be aware of possible increased freight charges for deliveries outside of Germany.

Chintz lampshades			Price Category 21
982501.Y	L 115, B 115, H 60	Chintz decorative element for TOLEDO FLAT square 110 x 110	
982502.Y	L 177, B 177, H 60	Chintz decorative element for TOLEDO FLAT square 172 x 172	
982503.Y	L 230, B 230, H 60	Chintz decorative element for TOLEDO FLAT square 225 x 225	
982504.Y	L 305, B 305, H 60	Chintz decorative element for TOLEDO FLAT square 300 x 300	

Cannot be fitted with surface mount housing

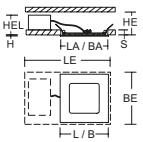
Satin finish plastic diffuser (optional)			Price Category 21
Can be installed on the decorative element without any tools			
982505.002	L 113, B 113, H 4	Accessories for chintz decor cube 115 x 115	
982506.002	L 175, B 175, H 4	Accessories for chintz decor cube 177 x 177	
982507.002	L 228, B 228, H 4	Accessories for chintz decor cube 230 x 230	
982508.002	L 303, B 303, H 4	Accessories for chintz decor cube 305 x 305	



Colour chart Chintz lampshades		Price Category 21
W06630	Chintz lampshades are available in more than 50 different colours.	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed downlights | TOLEDO FLAT square - movement sensor DALI/BT



Type of protection: IP 20, **IP 54** on room side
Protection class: I
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA). Ceiling installation with spring system. Mounting depth depends on ceiling strength. Including separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Function parameters: HF motion detector Bluetooth®-DALI

- HF detector 5.8 GHz
- Holding time: 5 sec. - 60 min., adjustable in 13 steps
- Detection angle 120°
- Range: up to 8 m; adjustable in 10% steps.
- Factory setting: holding time 30 seconds, range approx. 6 m, dim level 30%.
- Dim functions: Soft Start, Corridor, Permanent
- Additional functions: create profiles and groups, networking the sensors
- Master-slave: up to three additional Toledo Flat DALI 17 W can be connected
- Brightness sensor without function.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights with connected movement sensor adjustable with app via Bluetooth®-DALI							**Price Category 21**
Ceiling cut out LA 208 x BA 208 mm							
901716.002.19	L 225, B 225, H 3, HE 55-76	830	1650	17	98	108	smart+free
901716.002.1.19	L 225, B 225, H 3, HE 55-76	840	1800	17	106	108	smart+free

Not suitable for metal ceilings.





Comparison
LED vs. conventional lamps

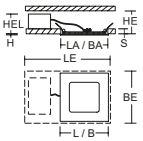
LED 17 W ≈
1 x 32 W TC-TEL (36 W Psys)

Download on the App Store

GET IT ON Google Play

MICAS Autolight App download now!

Recessed downlights | TOLEDO FLAT square - movement sensor EASY



Type of protection: IP 20, **IP 54** on room side
Protection class: I
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA). Ceiling installation with spring system. Mounting depth depends on ceiling strength. Including separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Function parameters: HF motion detector EASY

- HF detector 5.8 GHz
- Holding time: 10 sec. - 20 min., adjustable in 7 steps.
- Detection angle 120°
- Range: up to 8 m; adjustable in 5 steps.
- Factory setting: holding time 15 minutes, range approx. 6 m.
- Master-slave: up to three additional Toledo Flat on/off 17 W can be connected
- Brightness sensor without function.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights with connected movement sensor EASY adjustable with buttons							**Price Category 21**
Ceiling cut out LA 208 x BA 208 mm							
901487.002.19	L 225, B 225, H 3, HE 55-76	830	1650	17	98	108	on/off
901487.002.1.19	L 225, B 225, H 3, HE 55-76	840	1800	17	106	108	on/off

Not suitable for metal ceilings.





Comparison
LED vs. conventional lamps

LED 17 W ≈
1 x 32 W TC-TEL (36 W Psys)

Color code overview for the fabric lampshades see page 317





DALI

TOLEDO FLATLINER

Ceiling luminaires, Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Decorative fabric lampshade luminaire for room design.
- **Individual:** More than 50 different standard colours to choose for the fabric lampshade.
- **Extensive:** Standard cylinder and cuboid shapes.

LIGHTING DESIGN

- **Advantageous:** The basic luminaire for fabric lampshades is the TOLEDO FLAT series.
- **Functional:** Satin finish diffusers made of plastic are optionally available.
- **Varied:** Material of fabric lampshade chintz or optionally also flame retardant fabric in compliance with B1.

INSTALLATION

- **Optimum:** Ceiling or pendant mounting.
- **Easy installation:** Fabric lampshades can be retrofitted to the basic luminaire without tools.



Further luminaires of this series, see:

Indoor lighting | Recessed modular luminaires
Indoor lighting | Recessed mounted downlights
Indoor lighting | Surface mounted downlights
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

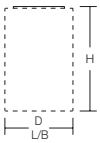


©Fotostudio Lippmann

The application image shows:
TOLEDO FLAT
TOLEDO FLATLINER



Ceiling luminaires | TOLEDO FLATLINER



Type of protection: **IP 40**
Protection class: II
Impact protection: IK06

Basic luminaire: Cylinder housing sheet steel, powder-coated. Housing: die cast aluminium and sheet steel, powder-coated. Bezel ring: die-cast aluminium, powder coated. Light guide and diffuser made of non-yellowing PMMA, opal matt.

Fabric lampeshade with classic chintz fabric. Covering surface Chintz, various fabric colors available. Order cover as separate accessory.

Modular design: The fabric lampshades need to be ordered separately for each luminaire. Color code for the fabric lampshade must be specified in the order.

Available colours (Y): Color code overview see page 317.

Please be aware of possible increased freight charges for deliveries outside of Germany.

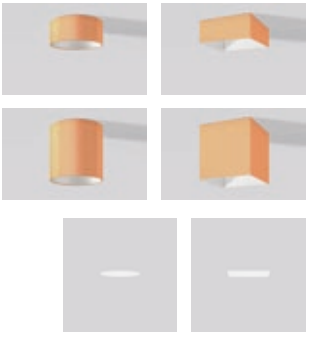
Available colour: 2 = white

Comparison
LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment - TOLEDO FLATLINER 200						**Price Category 21**
901628.002	D 160, H 65	830	310	5	62	on/off
901628.002.1	D 160, H 65	840	360	5	72	on/off

Indication of luminaire flux when using the white fabric lampshade.



Chintz fabric lampshade - TOLEDO FLATLINER 200			**Price Category 21**
Height of the fabric lampshade 120 mm			
982493.Y	D 200, H 120	Cylinder shape	
982497.Y	L 200, B 200, H 120	Cuboid shape	
Height of the fabric lampshade 300 mm			
982299.Y	D 200, H 300	Cylinder shape	
982309.Y	L 200, B 200, H 300	Cuboid shape	

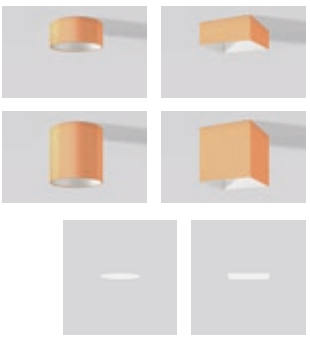
Satin finish plastic diffuser (optional)			**Price Category 21**
Can be installed on the decorative element without any tools			
982304.002	D 198, H 5	Accessories for Toledo Flatliner 200 cylinder shape	
982314.002	L 198, B 198, H 5	Accessories for Toledo Flatliner 200 cuboid shape	

Comparison
LED vs. conventional lamps

LED 7,7 W ≈
1 x 18 W TC-D (26 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment - TOLEDO FLATLINER 242						**Price Category 21**
901630.002	D 202, H 65	830	610	7,7	79	on/off
901630.002.76	D 202, H 65	830	610	7,7	79	DALI
901630.002.1	D 202, H 65	840	660	7,7	86	on/off
901630.002.1.76	D 202, H 65	840	660	7,7	86	DALI

Indication of luminaire flux when using the white fabric lampshade.



Chintz fabric lampshade - TOLEDO FLATLINER 242			**Price Category 21**
Height of the fabric lampshade 120 mm			
982494.Y	D 242, H 120	Cylinder shape	
982498.Y	L 242, B 242, H 120	Cuboid shape	
Height of the fabric lampshade 300 mm			
982300.Y	D 242, H 300	Cylinder shape	
982310.Y	L 242, B 242, H 300	Cuboid shape	

Satin finish plastic diffuser (optional)			**Price Category 21**
Can be installed on the decorative element without any tools			
982305.002	D 240, H 5	Accessories for Toledo Flatliner 242 cylinder shape	
982315.002	L 240, B 240, H 5	Accessories for Toledo Flatliner 242 cuboid shape	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

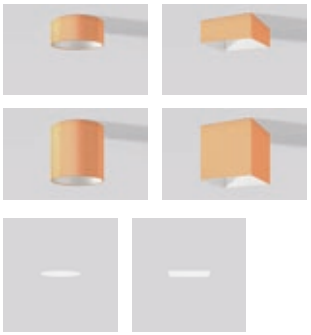
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment - TOLEDO FLATLINER 307						**Price Category 21**
901632.002	D 268, H 70	830	1250	17	74	on/off
901632.002.76	D 268, H 70	830	1250	17	74	DALI
901632.002.1	D 268, H 70	840	1400	17	82	on/off
901632.002.1.76	D 268, H 70	840	1400	17	82	DALI

Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 17 W ≈
2 x 18 W TC-D (52 W Psys)

Chintz fabric lampshade - TOLEDO FLATLINER 307		**Price Category 21**
Height of the fabric lampshade 120 mm		
982495.Y	D 307, H 120	Cylinder shape
982499.Y	L 307, B 307, H 120	Cuboid shape
Height of the fabric lampshade 300 mm		
982301.Y	D 307, H 300	Cylinder shape
982311.Y	L 307, B 307, H 300	Cuboid shape



Satin finish plastic diffuser (optional)		**Price Category 21**
Can be installed on the decorative element without any tools		
982306.002	D 305, H 5	Accessories for Toledo Flatliner 307 cylinder shape
982316.002	L 305, B 305, H 5	Accessories for Toledo Flatliner 307 cuboid shape

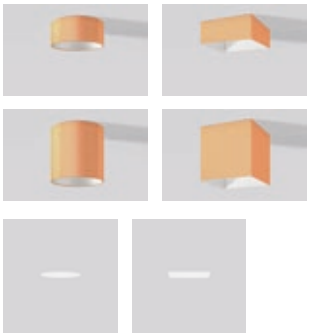
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment - TOLEDO FLATLINER 369						**Price Category 21**
901634.002	D 330, H 70	830	1700	22	77	on/off
901634.002.76	D 330, H 70	830	1700	22	77	DALI
901634.002.1	D 330, H 70	840	1950	22	89	on/off
901634.002.1.76	D 330, H 70	840	1950	22	89	DALI

Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 22 W ≈
2 x 26 W TC-D (68 W Psys)

Chintz fabric lampshade - TOLEDO FLATLINER 369		**Price Category 21**
Height of the fabric lampshade 120 mm		
982496.Y	D 369, H 120	Cylinder shape
982500.Y	L 369, B 369, H 120	Cuboid shape
Height of the fabric lampshade 300 mm		
982302.Y	D 369, H 300	Cylinder shape
982312.Y	L 369, B 369, H 300	Cuboid shape



Satin finish plastic diffuser (optional)		**Price Category 21**
Can be installed on the decorative element without any tools		
982307.002	D 367, H 5	Accessories for Toledo Flatliner 369 cylinder shape
982317.002	L 367, B 367, H 5	Accessories for Toledo Flatliner 369 cuboid shape

Colour chart Chintz lampshades		**Price Category 21**
W06630	L 150, B 65, H 40	Chintz lampshades are available in more than 50 different colours.

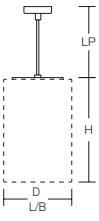




Color code overview for the fabric lampshades see page 317



Pendant luminaires | TOLEDO FLATLINER



Type of protection: IP 20
Protection class: I
Impact protection: IK06
Suspension Length: 2000 mm

Basic luminaire: Cylinder housing sheet steel, powder coated. Housing die cast aluminium and sheet steel, powder-coated. Bezel ring die-cast aluminium, powder coated. Light guide and diffuser made of non-yellowing PMMA, opal matt. Fabric lampshades can be mounted without tools. Transparent suspension cable 2 m, can be shortened. Canopy sheet steel, powder coated.

Fabric lampeshade with classic chintz fabric. Covering surface Chintz, various fabric colors available. Order cover as separate accessory.

Modular design: The fabric lampshades need to be ordered separately for each luminaire. Color code for the fabric lampshade must be specified in the order.

Available colours (Y): Color code overview see page 317.

Please be aware of possible increased freight charges for deliveries outside of Germany.

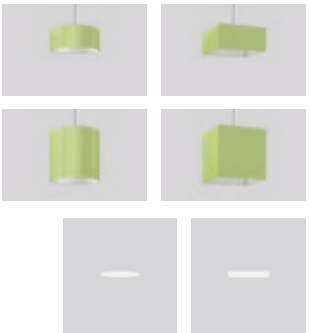
Available colour: 2 = white

Comparison LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment - TOLEDO FLATLINER 200						**Price Category 21**
901629.002	D 162, H 90	830	310	5	62	on/off
901629.002.1	D 162, H 90	840	360	5	72	on/off

Indication of luminaire flux when using the white fabric lampshade.



Chintz fabric lampshade - TOLEDO FLATLINER 200			**Price Category 21**
Height of the fabric lampshade 120 mm			
982493.Y	D 200, H 120	Cylinder shape	
982497.Y	L 200, B 200, H 120	Cuboid shape	
Height of the fabric lampshade 300 mm			
982299.Y	D 200, H 300	Cylinder shape	
982309.Y	L 200, B 200, H 300	Cuboid shape	

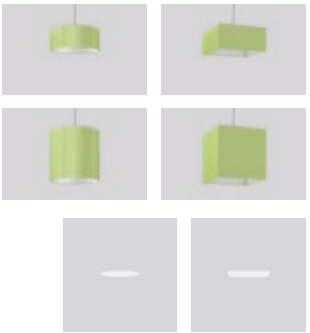
Satin finish plastic diffuser (optional)		**Price Category 21**
Can be installed on the decorative element without any tools		
982304.002	D 198, H 5	Accessories for Toledo Flatliner 200 cylinder shape
982314.002	L 198, B 198, H 5	Accessories for Toledo Flatliner 200 cuboid shape

Comparison LED vs. conventional lamps

LED 7,7 W ≈
1 x 18 W TC-D (26 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment - TOLEDO FLATLINER 242						**Price Category 21**
901631.002	D 204, H 90	830	610	7,7	79	on/off
901631.002.76	D 204, H 90	830	610	7,7	79	DALI
901631.002.1	D 204, H 90	840	660	7,7	86	on/off
901631.002.1.76	D 204, H 90	840	660	7,7	86	DALI

Indication of luminaire flux when using the white fabric lampshade.



Chintz fabric lampshade - TOLEDO FLATLINER 242			**Price Category 21**
Height of the fabric lampshade 120 mm			
982494.Y	D 242, H 120	Cylinder shape	
982498.Y	L 242, B 242, H 120	Cuboid shape	
Height of the fabric lampshade 300 mm			
982300.Y	D 242, H 300	Cylinder shape	
982310.Y	L 242, B 242, H 300	Cuboid shape	

Satin finish plastic diffuser (optional)		**Price Category 21**
Can be installed on the decorative element without any tools		
982305.002	D 240, H 5	Accessories for Toledo Flatliner 242 cylinder shape
982315.002	L 240, B 240, H 5	Accessories for Toledo Flatliner 242 cuboid shape

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment - TOLEDO FLATLINER 307						**Price Category 21**
901633.002	D 270, H 96	830	1250	17	74	on/off
901633.002.76	D 270, H 96	830	1250	17	74	DALI
901633.002.1	D 270, H 96	840	1400	17	82	on/off
901633.002.1.76	D 270, H 96	840	1400	17	82	DALI

Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 17 W ≈
2 x 18 W TC-D (52 W Psys)

Chintz fabric lampshade - TOLEDO FLATLINER 307		**Price Category 21**
Height of the fabric lampshade 120 mm		
982495.Y	D 307, H 120	Cylinder shape
982499.Y	L 307, B 307, H 120	Cuboid shape
Height of the fabric lampshade 300 mm		
982301.Y	D 307, H 300	Cylinder shape
982311.Y	L 307, B 307, H 300	Cuboid shape



Satin finish plastic diffuser (optional)		**Price Category 21**
Can be installed on the decorative element without any tools		
982306.002	D 305, H 5	Accessories for Toledo Flatliner 307 cylinder shape
982316.002	L 305, B 305, H 5	Accessories for Toledo Flatliner 307 cuboid shape

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment - TOLEDO FLATLINER 369						**Price Category 21**
901635.002	D 331, H 96	830	1750	22	80	on/off
901635.002.76	D 331, H 98	830	1750	22	80	DALI
901635.002.1	D 331, H 96	840	1950	22	89	on/off
901635.002.1.76	D 331, H 98	840	1950	22	89	DALI

Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 22 W ≈
2 x 26 W TC-D (68 W Psys)

Chintz fabric lampshade - TOLEDO FLATLINER 369		**Price Category 21**
Height of the fabric lampshade 120 mm		
982496.Y	D 369, H 120	Cylinder shape
982500.Y	L 369, B 369, H 120	Cuboid shape
Height of the fabric lampshade 300 mm		
982302.Y	D 369, H 300	Cylinder shape
982312.Y	L 369, B 369, H 300	Cuboid shape



Satin finish plastic diffuser (optional)		**Price Category 21**
Can be installed on the decorative element without any tools		
982307.002	D 367, H 5	Accessories for Toledo Flatliner 369 cylinder shape
982317.002	L 367, B 367, H 5	Accessories for Toledo Flatliner 369 cuboid shape

Colour chart Chintz lampshades		**Price Category 21**
W06630	L 150, B 65, H 40	Chintz lampshades are available in more than 50 different colours.





Color code overview for the fabric lampshades see page 317



DALI IP40

FLATLINER

Ceiling luminaires, Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Decorative fabric lampshade luminaire for room design.
- **Individual:** More than 50 different standard colours to choose for the fabric lampshade.
- **Extensive:** Standard cylinder and cuboid shapes.

LIGHTING DESIGN

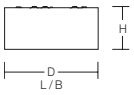
- **Advantageous:** Fabric lampshade and cover made of chintz for a pleasant living room ambience.
- **Anti-glare:** Pleasantly gentle light with soft shadows.
- **Varied:** Material of fabric lampshade chintz or optionally also flame retardant fabric in compliance with B1.

INSTALLATION

- **Optimum:** Ceiling or pendant mounting.
- **Easy installation:** Fabric lampshades can be fitted to the basic luminaire without tools.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling luminaires | FLATLINER





Type of protection: **IP 40**
Protection class: I
Impact protection: IK02

Basic luminaire: Base: metal, white, powder-coated. Fabric lampshades can be mounted without tools.

Fabric lampeshade with classic chintz fabric. The fabric lampshade are closed at the bottom. Covering surface Chintz, various fabric colors available. Cover chintz white (FC01).

Modular design: The fabric lampshades need to be ordered separately for each luminaire. Color code for the fabric lampshade must be specified in the order.

Available colours (Y): Color code overview see page 317.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment - FLATLINER 550						**Price Category 21**
311933.002	D 460, H 120	830	1450	19	76	on/off
311933.002.76	D 460, H 120	830	1450	19	76	DALI
311933.002.1	D 460, H 120	840	1450	19	76	on/off
311933.002.1.76	D 460, H 120	840	1450	19	76	DALI

Indication of luminaire flux when using the white fabric lampshade.

Chintz fabric lampshades - FLATLINER 550			**Price Category 21**
981867.Y	D 550, H 250	Shape: cylinder	
981870.Y	L 550, B 550, H 250	Shape: cuboid	

Comparison LED vs. conventional lamps

LED 19 W ≈
2 x 18 W TC-D (52 W Psys)




Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment - FLATLINER 700						**Price Category 21**
311934.002	D 620, H 160	830	2800	38	74	on/off
311934.002.76	D 620, H 160	830	2800	38	74	DALI
311934.002.1	D 620, H 160	840	2800	38	74	on/off
311934.002.1.76	D 620, H 160	840	2800	38	74	DALI

Indication of luminaire flux when using the white fabric lampshade.

Chintz fabric lampshades - FLATLINER 700			**Price Category 21**
981868.Y	D 700, H 250	Shape: cylinder	
981871.Y	L 700, B 700, H 250	Shape: cuboid	

Comparison LED vs. conventional lamps

LED 38 W ≈
3 x 26 W TC-D (102 W Psys)




Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment - FLATLINER 1100						**Price Category 21**
311935.002	D 1040, H 230	830	7000	100	70	on/off
311935.002.76	D 1040, H 230	830	7000	100	70	DALI
311935.002.1	D 1040, H 230	840	7300	100	73	on/off
311935.002.1.76	D 1040, H 230	840	7300	100	73	DALI

Indication of luminaire flux when using the white fabric lampshade.

Chintz fabric lampshades - FLATLINER 1100			**Price Category 21**
981869.Y	D 1100, H 250	Shape: cylinder	
981872.Y	L 1100, B 1100, H 250	Shape: cuboid	

Comparison LED vs. conventional lamps

LED 100 W ≈
4 x 42 W TC-TEL (180 W Psys)




Colour chart Chintz lampshades			**Price Category 21**
W06630	L 150, B 65, H 40	Chintz lampshades are available in more than 50 different colours.	

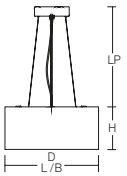




Color code overview for the fabric lampshades see page 317



Pendant luminaires | FLATLINER



Type of protection: **IP 40**
Protection class: I
Impact protection: IK02
Suspension Length: 200-3500 mm (FLATLINER 550)
Suspension Length: 350-3500 mm (FLATLINER 700)
Suspension Length: 600-3500 mm (FLATLINER 1100)

Basic luminaire: Base and canopy: metal, powder-coated, white. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Transparent connecting cable. Fabric ampshades can be mounted without tools.

Fabric lampeshade with classic chintz fabric. The fabric lampshade are closed at the bottom. Covering surface Chintz, various fabric colors available. Cover chintz white (FC01).

Modular design: The fabric lampshades need to be ordered separately for each luminaire. Color code for the fabric lampshade must be specified in the order.

Available colours (Y): Color code overview see page 317.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Comparison LED vs. conventional lamps

LED 19 W ≈
2 x 18 W TC-D (52 W Psys)




Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment - FLATLINER 550						**Price Category 21**
311930.002	D 460, H 120	830	1450	19	76	on/off
311930.002.76	D 460, H 120	830	1450	19	76	DALI
311930.002.1	D 460, H 120	840	1450	19	76	on/off
311930.002.1.76	D 460, H 120	840	1450	19	76	DALI

Indication of luminaire flux when using the white fabric lampshade.

Chintz fabric lampshades - FLATLINER 550			Price Category 21
981867.Y	D 550, H 250	Shape: cylinder	
981870.Y	L 550, B 550, H 250	Shape: cuboid	

Comparison LED vs. conventional lamps

LED 38 W ≈
3 x 26 W TC-D (102 W Psys)




Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment - FLATLINER 700						**Price Category 21**
311931.002	D 620, H 160	830	2800	38	74	on/off
311931.002.76	D 620, H 160	830	2800	38	74	DALI
311931.002.1	D 620, H 160	840	2800	38	74	on/off
311931.002.1.76	D 620, H 160	840	2800	38	74	DALI

Indication of luminaire flux when using the white fabric lampshade.

Chintz fabric lampshades - FLATLINER 700			Price Category 21
981868.Y	D 700, H 250	Shape: cylinder	
981871.Y	L 700, B 700, H 250	Shape: cuboid	

Comparison LED vs. conventional lamps

LED 100 W ≈
4 x 42 W TC-TEL (180 W Psys)




Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Basic luminaire for fabric lampshade attachment - FLATLINER 1100						**Price Category 21**
311932.002	D 1040, H 230	830	7000	100	70	on/off
311932.002.76	D 1040, H 230	830	7000	100	70	DALI
311932.002.1	D 1040, H 230	840	7300	100	73	on/off
311932.002.1.76	D 1040, H 230	840	7300	100	73	DALI

Indication of luminaire flux when using the white fabric lampshade.

Chintz fabric lampshades - FLATLINER 1100			Price Category 21
981869.Y	D 1100, H 250	Shape: cylinder	
981872.Y	L 1100, B 1100, H 250	Shape: cuboid	



Colour chart Chintz lampshades			Price Category 21
W06630	L 150, B 65, H 40	Chintz lampshades are available in more than 50 different colours.	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Colour options of the chintz lampshades

The fabric lampshades need to be ordered separately for each luminaire. Color code for the fabric lampshade must be specified in the order.

Available colours (Y): Insert the color code (FC..) of the desired fabric color

Order example

Pendant luminaires FLATLINER SLIM 322

Basic luminaire (830, 1600 lm, on/off) **312282.002**
Fabric lampeshade 982566.Y **982566.FC42**

FC01 66.8003.01		**FC41** 66.8003.41		**FC78** 66.8003.78	
FC02 66.8003.02		**FC42** 66.8003.42		**FC80** 66.8003.80	
FC03 66.8003.03		**FC43** 66.8003.43		**FC81** 66.8003.81	
FC07 66.8003.07		**FC44** 66.8003.44		**FC82** 66.8003.82	
FC08 66.8003.08		**FC46** 66.8003.46		**FC83** 66.8003.83	
FC09 66.8003.09		**FC48** 66.8003.48		**FC84** 66.8003.84	
FC10 66.8003.10		**FC49** 66.8003.49		**FC86** 66.8003.86	
FC11 66.8003.11		**FC50** 66.8003.50		**FC87** 66.8003.87	
FC12 66.8003.12		**FC52** 66.8003.52		**FC92** 66.8003.92	
FC14 66.8003.14		**FC53** 66.8003.53		**FC95** 66.8003.95	
FC17 66.8003.17		**FC54** 66.8003.54		**FC96** 66.8003. 96	
FC18 66.8003.18		**FC56** 66.8003.56			
FC19 66.8003.19		**FC57** 66.8003.57			
FC20 66.8003.20		**FC60** 66.8003.60			
FC21 66.8003.21		**FC62** 66.8003.62			
FC23 66.8003.23		**FC64** 66.8003.64			
FC24 66.8003.24		**FC67** 66.8003.67			
FC32 66.8003.32		**FC68** 66.8003.68			
FC33 66.8003.33		**FC69** 66.8003.69			
FC35 66.8003.35		**FC72** 66.8003.72			
FC36 66.8003.36		**FC74** 66.8003.74			
FC37 66.8003.37		**FC75** 66.8003.75			
FC40 66.8003.40		**FC77** 66.8003.77			



Note on available fabric colours:

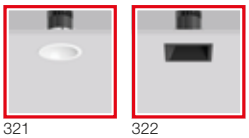
RZB is committed to keep the colour code listings in the sales documents and the sample colour charts of the more than 50 different colours up to date at all times. The colours currently available are determined by the fabric manufacturers, who make changes to their range of fabrics at short notice from time to time. As a luminaire manufacturer, RZB unfortunately has only limited influence on this.

Our fabric shade luminaires are individually handcrafted in Germany to order and are therefore dependent on the current supply situation of the fabrics. As a result, it can occasionally happen that some colours are not available. Your sales contact will be happy to provide information about the colours of our fabric shade luminaires that are available on a daily basis.



The application image shows:
TOLEDO FLAT

© Henrik Schipper Photography


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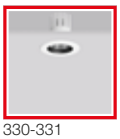
LEVIDO
320-323


325

ARELO
324-325


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ENERGO DARKLIGHT
326-327


330-331


332-335

HELEDON
328-337


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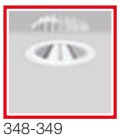

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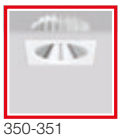

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PASCALA
338-343


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QUARDO
344-345


348-349


350-351

LEDONA
346-351


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LEDONA ECO
352-353


360-361


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TOLEDO FLAT
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TOLEDO FLAT PRO
354-355 | 366-369


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374-375


376-377


376-377

TOLEDO FLAT+
354-355 | 370-377


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379

TRIXY
378-379













LEVIDO®

Recessed downlights

ARCHITECTURE

- **Design-oriented:** Decorative LED downlight with daintily small dimensions.
- **Versatile:** 2 designs, 2 beam angles, 2 colours.
- **Long service life:** Die-cast aluminium cover.
- **Protected:** Safety glass cover to protect the LED.

LIGHTING DESIGN

- **Efficient:** Alternative for low-voltage 35 W and 50 W.
- **Standard:** MultiLumen - 2-step adjustable luminous flux.
- **Anti-glare:** Very good glare limitation due to back-mounted LED.
- **Advantageous:** LED rated life 50000 h (L90/B50).
- **Homogenous:** Opal diffuser (PMMA) for uniform, homogenous light distribution are available as accessory items.

INSTALLATION

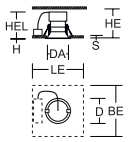
- **Easy installation:** Converter in separate box. Very simple installation with plug-in locking system.
- **Straightforward:** DALI variants suitable for through wiring as standard.



Further luminaires of this series, see:
Indoor lighting | Recessed projectors

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed downlights | LEVIDO round



Type of protection: IP 20, **IP 44** on room side
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Die-cast aluminium cover, powder-coated. Heat sink die-cast aluminium. Reflector: aluminium, highly polished anodised finish. With safety glass. Ceiling installation with spring system. Including separate LED converter with connecting cable 250 mm. DALI variants suitable for through wiring as standard. DALI converter is compatible with DC.

Available colours: 2 = white, 3 = black

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights - Colour white								**Price Category 21**
Ceiling cut out DA 78 mm								
Medium beam light distribution								
901831.002.2	D 91, H 2, HE 95	827	620/960	7,5/12	83	23	18,3/19,8	Phase-cut
901831.002.2.76	D 91, H 2, HE 95	827	620/960	7,5/12	83	23	18,3/19,8	DALI
901831.002	D 91, H 2, HE 95	830	670/1050	7,5/12	90	23	18,6/20,1	Phase-cut
901831.002.76	D 91, H 2, HE 95	830	670/1050	7,5/12	90	23	18,6/20,1	DALI
901831.002.1	D 91, H 2, HE 95	840	670/1050	7,5/12	90	23	18,6/20,1	Phase-cut
901831.002.1.76	D 91, H 2, HE 95	840	670/1050	7,5/12	90	23	18,6/20,1	DALI
Wide beam light distribution								
901832.002.2	D 91, H 2, HE 95	827	650/1000	7,5/12	87	52	18,5/20	Phase-cut
901832.002.2.76	D 91, H 2, HE 95	827	650/1000	7,5/12	87	52	18,5/20	DALI
901832.002	D 91, H 2, HE 95	830	710/1100	7,5/12	95	52	18,8/20,3	Phase-cut
901832.002.76	D 91, H 2, HE 95	830	710/1100	7,5/12	95	52	18,8/20,3	DALI
901832.002.1	D 91, H 2, HE 95	840	730/1100	7,5/12	98	52	18,9/20,3	Phase-cut
901832.002.1.76	D 91, H 2, HE 95	840	730/1100	7,5/12	98	52	18,9/20,3	DALI

Comparison
LED vs. conventional lamps

LED 7,5 W ≈
1 x 13 W TC-D (19 W Psys)

LED 12 W ≈
1 x 18 W TC-D (26 W Psys)



Recessed downlights - Colour black								**Price Category 21**
Ceiling cut out DA 78 mm								
Medium beam light distribution								
901831.003.2	D 91, H 2, HE 95	827	550/850	7,5/12	74	23	9,8/11,3	Phase-cut
901831.003.2.76	D 91, H 2, HE 95	827	550/850	7,5/12	74	23	9,8/11,3	DALI
901831.003	D 91, H 2, HE 95	830	590/920	7,5/12	79	23	10/11,6	Phase-cut
901831.003.76	D 91, H 2, HE 95	830	590/920	7,5/12	79	23	10/11,6	DALI
901831.003.1	D 91, H 2, HE 95	840	600/920	7,5/12	80	23	10,1/11,6	Phase-cut
901831.003.1.76	D 91, H 2, HE 95	840	600/920	7,5/12	80	23	10,1/11,6	DALI
Wide beam light distribution								
901832.003.2	D 91, H 2, HE 95	827	560/870	7,5/12	75	48	11/12,6	Phase-cut
901832.003.2.76	D 91, H 2, HE 95	827	560/870	7,5/12	75	48	11/12,6	DALI
901832.003	D 91, H 2, HE 95	830	620/950	7,5/12	83	48	11,4/12,9	Phase-cut
901832.003.76	D 91, H 2, HE 95	830	620/950	7,5/12	83	48	11,4/12,9	DALI
901832.003.1	D 91, H 2, HE 95	840	630/980	7,5/12	84	48	11,4/13	Phase-cut
901832.003.1.76	D 91, H 2, HE 95	840	630/980	7,5/12	84	48	11,4/13	DALI



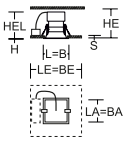
Cover: plastic, opal			**Price Category 21**
982184.002	D 44, H 2	Opal plastic cover (PMMA); can be fitted without tools.	



Compensating rings available for various ceiling cut outs!



Recessed downlights | LEVIDO square



Type of protection: IP 20, **IP 44** on room side
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Die-cast aluminium cover, powder-coated. Heat sink die-cast aluminium. Reflector: aluminium, highly polished anodised finish. With safety glass. Ceiling installation with spring system. Including separate LED converter with connecting cable 250 mm. DALI variants suitable for through wiring as standard. DALI converter is compatible with DC.

Available colours: 2 = white, 3 = black

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Comparison
LED vs. conventional lamps

LED 7,5 W ≈
1 x 13 W TC-D (19 W Psys)

LED 12 W ≈
1 x 18 W TC-D (26 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights - Colour white								**Price Category 21**
Ceiling cut out LA 86 x BA 86 mm								
Medium beam light distribution								
901833.002.2	L 98, B 98, H 2, HE 95	827	640/990	7,5/12	86	23	15,7/17,2	Phase-cut
901833.002.2.76	L 98, B 98, H 2, HE 95	827	640/990	7,5/12	86	23	15,7/17,2	DALI
901833.002	L 98, B 98, H 2, HE 95	830	690/1050	7,5/12	92	23	16/17,4	Phase-cut
901833.002.76	L 98, B 98, H 2, HE 95	830	690/1050	7,5/12	92	23	16/17,4	DALI
901833.002.1	L 98, B 98, H 2, HE 95	840	700/1100	7,5/12	94	23	16/17,6	Phase-cut
901833.002.1.76	L 98, B 98, H 2, HE 95	840	700/1100	7,5/12	94	23	16/17,6	DALI
Wide beam light distribution								
901834.002.2	L 98, B 98, H 2, HE 95	827	660/1000	7,5/12	88	54	15,7/17,1	Phase-cut
901834.002.2.76	L 98, B 98, H 2, HE 95	827	660/1000	7,5/12	88	54	15,7/17,1	DALI
901834.002	L 98, B 98, H 2, HE 95	830	720/1100	7,5/12	96	54	16/17,4	Phase-cut
901834.002.76	L 98, B 98, H 2, HE 95	830	720/1100	7,5/12	96	54	16/17,4	DALI
901834.002.1	L 98, B 98, H 2, HE 95	840	740/1150	7,5/12	99	54	16,1/17,6	Phase-cut
901834.002.1.76	L 98, B 98, H 2, HE 95	840	740/1150	7,5/12	99	54	16,1/17,6	DALI



Recessed downlights - Colour black								**Price Category 21**
Ceiling cut out LA 86 x BA 86 mm								
Medium beam light distribution								
901833.003.2	L 98, B 98, H 2, HE 95	827	600/930	7,5/12	80	23	13,4/15	Phase-cut
901833.003.2.76	L 98, B 98, H 2, HE 95	827	600/930	7,5/12	80	23	13,4/15	DALI
901833.003	L 98, B 98, H 2, HE 95	830	650/1000	7,5/12	87	23	13,7/15,2	Phase-cut
901833.003.76	L 98, B 98, H 2, HE 95	830	650/1000	7,5/12	87	23	13,7/15,2	DALI
901833.003.1	L 98, B 98, H 2, HE 95	840	650/1000	7,5/12	87	23	13,7/15,2	Phase-cut
901833.003.1.76	L 98, B 98, H 2, HE 95	840	650/1000	7,5/12	87	23	13,7/15,2	DALI
Wide beam light distribution								
901834.003.2	L 98, B 98, H 2, HE 95	827	620/960	7,5/12	83	54	13,6/15,1	Phase-cut
901834.003.2.76	L 98, B 98, H 2, HE 95	827	620/960	7,5/12	83	54	13,6/15,1	DALI
901834.003	L 98, B 98, H 2, HE 95	830	680/1050	7,5/12	91	54	14/15,5	Phase-cut
901834.003.76	L 98, B 98, H 2, HE 95	830	680/1050	7,5/12	91	54	14/15,5	DALI
901834.003.1	L 98, B 98, H 2, HE 95	840	700/1100	7,5/12	94	54	14,1/15,6	Phase-cut
901834.003.1.76	L 98, B 98, H 2, HE 95	840	700/1100	7,5/12	94	54	14,1/15,6	DALI



Cover: plastic, opal			**Price Category 21**
982184.002	D 44, H 2	Opal plastic cover (PMMA); can be fitted without tools.	



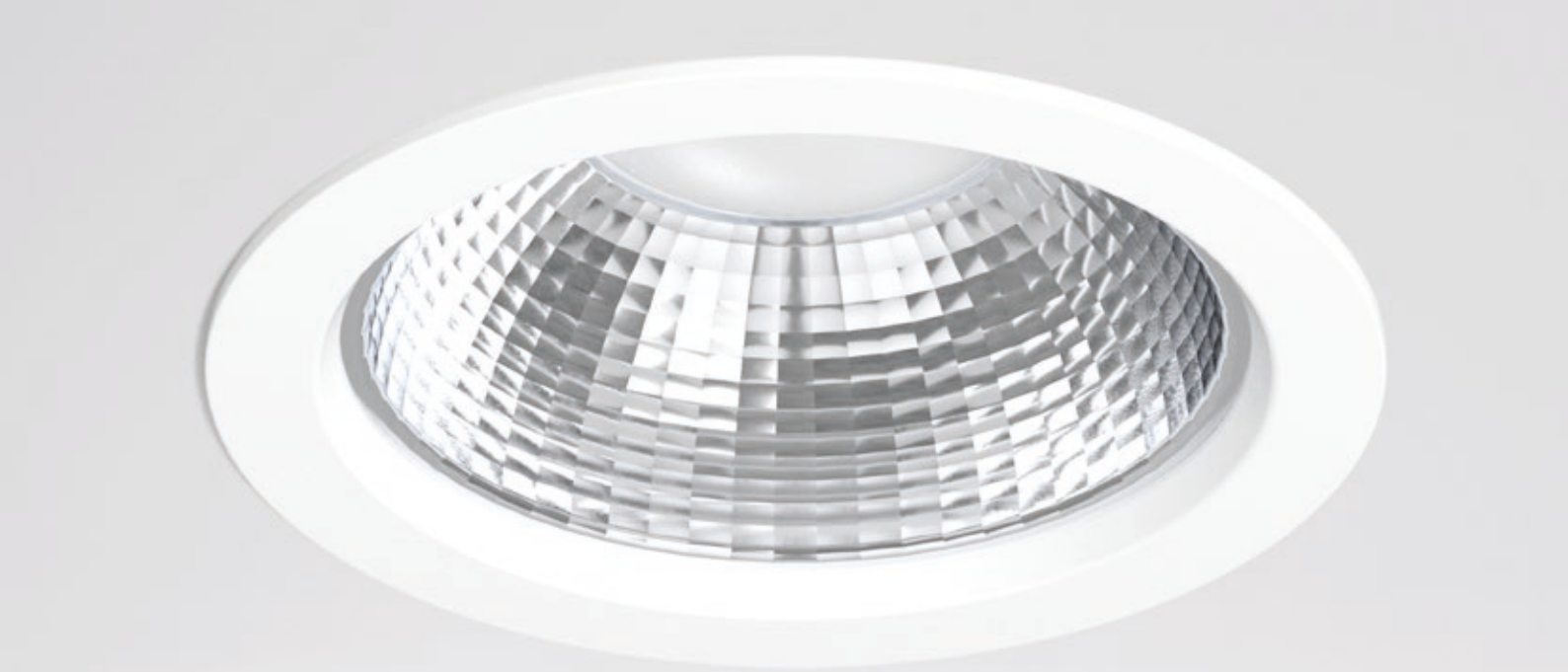
Compensating rings available for various ceiling cut outs!

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



© Linus Lintner

The application image shows:
LEVIDO round



MultiColour DALI IP44

ARELO®

Recessed downlights

ARCHITECTURE

- Housing made of shockproof, UV-resistant plastic (polycarbonate).
- Aluminium faceted reflector, highly polished anodised finish for brilliant illumination.
- Satin finish LED diffuser to reduce direct glare.

LIGHTING DESIGN

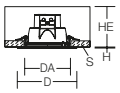
- **MultiColour:** with rear switching element, variable colour temperature 3000 K or 4000 K.
- Highly homogeneous light distribution through the combination of the reflector and the satin finish LED diffuser.
- LED rated life 50000 h (L70/B50).

INSTALLATION

- Quick and easy to install.
- Installation without tools thanks to spring fastening system.
- Suitable for through-wiring (doesn't apply to D130/DALI).

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed downlights | ARELO



Type of protection: IP 20, **IP 44** on room side
Protection class: II
Ceiling thickness S: 1-25 mm
Impact protection: IK05

Bezel ring: die-cast aluminium, powder coated. Housing made of UV-resistant polycarbonate. Aluminium faceted reflector, highly polished anodised finish. LED diffuser, satin finish (UV-resistant polycarbonate, shockproof). Spring fastening system. On/off version with integrated converter. DALI version with separate converter.

Available colour: 2 = white

MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights								**Price Category 21**
Ceiling cut out DA 105 mm								
901702.002	D 130, H 2, HE 100	830, 840	750	6,5	116	94	22,7/23,1	on/off
901702.002.76	D 130, H 2, HE 100	830, 840	750	6,5	116	94	22,7/23,1	DALI
Ceiling cut out DA 150 mm								
901703.002	D 172, H 2, HE 140	830, 840	1800	16	113	91	22/22,5	on/off
901703.002.76	D 172, H 2, HE 140	830, 840	1800	16	113	91	22/22,5	DALI
Ceiling cut out DA 200 mm								
901704.002	D 225, H 4, HE 140	830, 840	2700	23	118	72	21,3/22	on/off
901704.002.76	D 225, H 4, HE 140	830, 840	2700	23	118	72	21,3/22	DALI

MultiColour: luminous flux and system power can vary depends on the light color. You will find more detailed information on www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 6,5 W ≈
1 x 13 W TC-D (19 W Psys)

LED 16 W ≈
1 x 32 W TC-TEL (36 W Psys)

LED 23 W ≈
1 x 42 W TC-TEL (47 W Psys)

Compensating rings available for various ceiling cut outs!











MultiColour: Colour temperature adjustable via switching element.



DALI

ENERGO® DARKLIGHT

Recessed downlights

ARCHITECTURE

- High quality recessed downlight.
- Die cast aluminium ring with trumpet reflector.
- Trumpet reflector creates a darklight effect, i.e. when switched on, the luminaire appears dark (when seen from the side), you don't need turbo louvre any more to creat this effect.

LIGHTING DESIGN

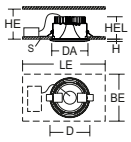
- Harmonised lighting and excellent glare suppression.
- LED rated life 50000 h (L80/B10).
- Colour tolerance within 2-steps MacAdam (2 SDCM).

INSTALLATION

- Quick and easy to install.
- Installation without tools thanks to spring fastening system.
- Suitable for through-wiring.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed downlights | ENERGO DARKLIGHT



Type of protection: IP 20
Protection class: I, II
Ceiling thickness S: 3-18 mm, 1-18 mm, 1-20 mm
Impact protection: IK03

Recessed and bezel ring: die-cast aluminium. Bezel ring with bayonet fixing. Recessed mounting frame: sheet steel, powder-coated. Heat sink made of black anodised extruded aluminium. Trumpet reflector: high purity aluminium, matt. Ceiling installation with spring system. Converter in separate box. With connecting cable (L 400 mm). Suitable for through-wiring. Converter connected for standard (on/off) or DALI dimmable. Converter compatible with DC.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights								**Price Category 21**
Ceiling cut out DA 140 mm, Ceiling thickness: 3-18 mm								
901545.002	D 156, H 9, HE 155	830	1200	10	120	38	16	on/off
901545.002.76	D 156, H 9, HE 155	830	1200	10	120	38	16	DALI
901545.002.1	D 156, H 9, HE 155	840	1250	10	125	38	16,2	on/off
901545.002.1.76	D 156, H 9, HE 155	840	1250	10	125	38	16,2	DALI
Ceiling cut out DA 175 mm, Ceiling thickness: 1-18 mm								
901547.002	D 195, H 9, HE 160	830	2150	18	120	42	16,8	on/off
901547.002.76	D 195, H 9, HE 160	830	2150	18	120	42	16,8	DALI
901547.002.1	D 195, H 9, HE 160	840	2250	18	125	42	17	on/off
901547.002.1.76	D 195, H 9, HE 160	840	2250	18	125	42	17	DALI
Ceiling cut out DA 210 mm, Ceiling thickness: 1-20 mm								
901549.002	D 230, H 9, HE 175	830	3050	27	113	51	17,4	on/off
901549.002.76	D 230, H 9, HE 175	830	3050	27	113	51	17,4	DALI
901549.002.1	D 230, H 9, HE 175	840	3200	27	119	51	17,5	on/off
901549.002.1.76	D 230, H 9, HE 175	840	3200	27	119	51	17,5	DALI

Ra > 90 options on request

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 17 W TC-TEL (21 W Psys)

LED 18 W ≈
1 x 42 W TC-TEL (47 W Psys)

LED 27 W ≈
1 x 57 W TC-TEL (59 W Psys)



Compensating rings available for various ceiling cut outs!









Trumpet reflector for darklight effect



DALI | CRI >90 | Food | Plug & Play

HELEDON

Recessed downlights

ARCHITECTURE

- **Design-oriented:** Classic, timeless and with minimalist design.
- **Flexible:** Surface and recessed mounted downlights.
- **Versatile:** 2 sizes, 2 types of installation, 2 optical systems, 3 colours.
- **Individual:** 8 interchangeable lenses with different beam angles.
- **Long service life:** Housing made of top quality die-cast aluminium.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Variable:** MIRO-SILVER® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone.
- **Standard:** Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality.
- **Versatile:** 7 different light colors with CRI >90 and special Food-LEDs available as standard.
- **Advantageous:** LED rated life 50000 h (L90/B10).
- **Optimum:** Colour tolerance within 2-steps MacAdam (2 SDCM).

INSTALLATION

- **Easy installation:** Tool-free assembly.
- **Straightforward:** Installation could not be easier thanks to Plug & Play.
- **Expandable:** Suitable for through-wiring with separately available accessories.
- **Extensive:** The following accessories can be mounted without use of tools: interchangeable lenses, decorative glasses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring.



Further luminaires of this series, see:
Indoor lighting | Surface mounted downlights

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

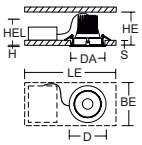


© Linus Lintner

The application image shows:
HELEDON



Recessed downlights | HELEDON mini - Optic reflector



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With MIRO-SILVER® reflector. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Comparison LED vs. conventional lamps

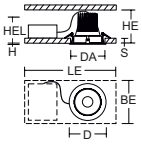
LED 20 W ≈
1 x 42 W TC-TEL (47 W Psys)
1 x 35 W HIT (43 W Psys)

LED 29 W ≈
1 x 57 W TC-TEL (59 W Psys)
1 x 50 W HIT (56 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights - Reflector spot							**Price Category 21**
Ceiling cut out DA 114 mm							
901740.00X	D 124, H 3, HE 170	930	2450	20	123	18	on/off
901740.00X.76	D 124, H 3, HE 170	930	2450	20	123	18	DALI
901740.00X.1	D 124, H 3, HE 170	940	2550	20	128	18	on/off
901740.00X.1.76	D 124, H 3, HE 170	940	2550	20	128	18	DALI
901748.00X	D 124, H 3, HE 170	930	3500	29	121	18	on/off
901748.00X.76	D 124, H 3, HE 170	930	3500	29	121	18	DALI
901748.00X.1	D 124, H 3, HE 170	940	3550	29	123	18	on/off
901748.00X.1.76	D 124, H 3, HE 170	940	3550	29	123	18	DALI
Recessed downlights - Reflector medium							**Price Category 21**
Ceiling cut out DA 114 mm							
901741.00X	D 124, H 3, HE 170	930	2400	20	120	31	on/off
901741.00X.76	D 124, H 3, HE 170	930	2400	20	120	31	DALI
901741.00X.1	D 124, H 3, HE 170	940	2450	20	123	31	on/off
901741.00X.1.76	D 124, H 3, HE 170	940	2450	20	123	31	DALI
901749.00X	D 124, H 3, HE 170	930	3350	29	116	31	on/off
901749.00X.76	D 124, H 3, HE 170	930	3350	29	116	31	DALI
901749.00X.1	D 124, H 3, HE 170	940	3500	29	121	31	on/off
901749.00X.1.76	D 124, H 3, HE 170	940	3500	29	121	31	DALI
Recessed downlights - Reflector wide flood							**Price Category 21**
Ceiling cut out DA 114 mm							
901742.00X	D 124, H 3, HE 170	930	2450	20	123	60	on/off
901742.00X.76	D 124, H 3, HE 170	930	2450	20	123	60	DALI
901742.00X.1	D 124, H 3, HE 170	940	2550	20	128	60	on/off
901742.00X.1.76	D 124, H 3, HE 170	940	2550	20	128	60	DALI
901750.00X	D 124, H 3, HE 170	930	3500	29	121	60	on/off
901750.00X.76	D 124, H 3, HE 170	930	3500	29	121	60	DALI
901750.00X.1	D 124, H 3, HE 170	940	3650	29	126	60	on/off
901750.00X.1.76	D 124, H 3, HE 170	940	3650	29	126	60	DALI



Recessed downlights | HELEDON mini - Oval corridor optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly polycarbonate lens. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Comparison LED vs. conventional lamps

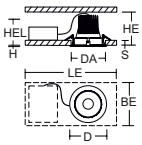
LED 20 W ≈
1 x 32 W TC-TEL (36 W Psys)

LED 29 W ≈
1 x 35 W HIT (43 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights - Oval corridor lens							**Price Category 21**
Ceiling cut out DA 114 mm							
901747.00X	D 124, H 3, HE 170	930	1850	20	93	40/28	on/off
901747.00X.76	D 124, H 3, HE 170	930	1850	20	93	40/28	DALI
901747.00X.1	D 124, H 3, HE 170	940	1950	20	98	40/28	on/off
901747.00X.1.76	D 124, H 3, HE 170	940	1950	20	98	40/28	DALI
901755.00X	D 124, H 3, HE 170	930	2650	29	92	40/28	on/off
901755.00X.76	D 124, H 3, HE 170	930	2650	29	92	40/28	DALI
901755.00X.1	D 124, H 3, HE 170	940	2750	29	95	40/28	on/off
901755.00X.1.76	D 124, H 3, HE 170	940	2750	29	95	40/28	DALI

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed downlights | HELEDON mini - Optic lens





Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly polycarbonate lens. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights - Spot lens							**Price Category 21**
Ceiling cut out DA 114 mm							
901743.00X	D 124, H 3, HE 170	930	2150	20	108	20	on/off
901743.00X.76	D 124, H 3, HE 170	930	2150	20	108	20	DALI
901743.00X.1	D 124, H 3, HE 170	940	2250	20	113	20	on/off
901743.00X.1.76	D 124, H 3, HE 170	940	2250	20	113	20	DALI
901751.00X	D 124, H 3, HE 170	930	3050	29	106	20	on/off
901751.00X.76	D 124, H 3, HE 170	930	3050	29	106	20	DALI
901751.00X.1	D 124, H 3, HE 170	940	3200	29	111	20	on/off
901751.00X.1.76	D 124, H 3, HE 170	940	3200	29	111	20	DALI
Recessed downlights - Medium lens							**Price Category 21**
Ceiling cut out DA 114 mm							
901744.00X	D 124, H 3, HE 170	930	2050	20	103	31	on/off
901744.00X.76	D 124, H 3, HE 170	930	2050	20	103	31	DALI
901744.00X.1	D 124, H 3, HE 170	940	2100	20	105	31	on/off
901744.00X.1.76	D 124, H 3, HE 170	940	2100	20	105	31	DALI
901752.00X	D 124, H 3, HE 170	930	2900	29	100	31	on/off
901752.00X.76	D 124, H 3, HE 170	930	2900	29	100	31	DALI
901752.00X.1	D 124, H 3, HE 170	940	3050	29	106	31	on/off
901752.00X.1.76	D 124, H 3, HE 170	940	3050	29	106	31	DALI
Recessed downlights - Flood lens							**Price Category 21**
Ceiling cut out DA 114 mm							
901745.00X	D 124, H 3, HE 170	930	1900	20	95	44	on/off
901745.00X.76	D 124, H 3, HE 170	930	1900	20	95	44	DALI
901745.00X.1	D 124, H 3, HE 170	940	2000	20	100	44	on/off
901745.00X.1.76	D 124, H 3, HE 170	940	2000	20	100	44	DALI
901753.00X	D 124, H 3, HE 170	930	2750	29	95	44	on/off
901753.00X.76	D 124, H 3, HE 170	930	2750	29	95	44	DALI
901753.00X.1	D 124, H 3, HE 170	940	2850	29	99	44	on/off
901753.00X.1.76	D 124, H 3, HE 170	940	2850	29	99	44	DALI
Recessed downlights - Extra wide flood lens							**Price Category 21**
Ceiling cut out DA 114 mm							
901746.00X	D 124, H 3, HE 170	930	2200	20	110	72	on/off
901746.00X.76	D 124, H 3, HE 170	930	2200	20	110	72	DALI
901746.00X.1	D 124, H 3, HE 170	940	2300	20	115	72	on/off
901746.00X.1.76	D 124, H 3, HE 170	940	2300	20	115	72	DALI
901754.00X	D 124, H 3, HE 170	930	3100	29	107	72	on/off
901754.00X.76	D 124, H 3, HE 170	930	3100	29	107	72	DALI
901754.00X.1	D 124, H 3, HE 170	940	3250	29	113	72	on/off
901754.00X.1.76	D 124, H 3, HE 170	940	3250	29	113	72	DALI

Comparison LED vs. conventional lamps

LED 20 W ≈
1 x 42 W TC-TEL (47 W Psys)
1 x 35 W HIT (43 W Psys)

LED 29 W ≈
1 x 57 W TC-TEL (59 W Psys)
1 x 50 W HIT (56 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°





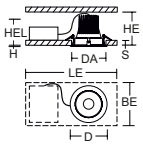




Accessories:
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Recessed downlights | HELEDON maxi - Optic reflector



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With MIRO-SILVER® reflector. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Comparison LED vs. conventional lamps

LED 25 W ≈
1 x 35 W HIT (43 W Psys)

LED 35 W ≈
1 x 50 W HIT (56 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights - Reflector spot							**Price Category 21**
Ceiling cut out DA 152 mm							
901756.00X	D 162, H 3, HE 200	930	3050	25	122	12	on/off
901756.00X.76	D 162, H 3, HE 200	930	3050	25	122	12	DALI
901756.00X.1	D 162, H 3, HE 200	940	3200	25	128	12	on/off
901756.00X.1.76	D 162, H 3, HE 200	940	3200	25	128	12	DALI
901763.00X	D 162, H 3, HE 200	930	4000	35	115	12	on/off
901763.00X.76	D 162, H 3, HE 200	930	4000	35	115	12	DALI
901763.00X.1	D 162, H 3, HE 200	940	4200	35	120	12	on/off
901763.00X.1.76	D 162, H 3, HE 200	940	4200	35	120	12	DALI
Recessed downlights - Reflector medium							**Price Category 21**
Ceiling cut out DA 152 mm							
901757.00X	D 162, H 3, HE 200	930	3150	25	126	21	on/off
901757.00X.76	D 162, H 3, HE 200	930	3150	25	126	21	DALI
901757.00X.1	D 162, H 3, HE 200	940	3300	25	132	21	on/off
901757.00X.1.76	D 162, H 3, HE 200	940	3300	25	132	21	DALI
901764.00X	D 162, H 3, HE 200	930	4200	35	120	21	on/off
901764.00X.76	D 162, H 3, HE 200	930	4200	35	120	21	DALI
901764.00X.1	D 162, H 3, HE 200	940	4300	35	123	21	on/off
901764.00X.1.76	D 162, H 3, HE 200	940	4300	35	123	21	DALI
Recessed downlights - Reflector flood							**Price Category 21**
Ceiling cut out DA 152 mm							
901758.00X	D 162, H 3, HE 200	930	3150	25	126	33	on/off
901758.00X.76	D 162, H 3, HE 200	930	3150	25	126	33	DALI
901758.00X.1	D 162, H 3, HE 200	940	3350	25	134	33	on/off
901758.00X.1.76	D 162, H 3, HE 200	940	3350	25	134	33	DALI
901765.00X	D 162, H 3, HE 200	930	4200	35	120	33	on/off
901765.00X.76	D 162, H 3, HE 200	930	4200	35	120	33	DALI
901765.00X.1	D 162, H 3, HE 200	940	4350	35	125	33	on/off
901765.00X.1.76	D 162, H 3, HE 200	940	4350	35	125	33	DALI
Recessed downlights - Reflector wide flood							**Price Category 21**
Ceiling cut out DA 152 mm							
901759.00X	D 162, H 3, HE 200	930	3050	25	122	65	on/off
901759.00X.76	D 162, H 3, HE 200	930	3050	25	122	65	DALI
901759.00X.1	D 162, H 3, HE 200	940	3200	25	128	65	on/off
901759.00X.1.76	D 162, H 3, HE 200	940	3200	25	128	65	DALI
901766.00X	D 162, H 3, HE 200	930	3950	35	113	65	on/off
901766.00X.76	D 162, H 3, HE 200	930	3950	35	113	65	DALI
901766.00X.1	D 162, H 3, HE 200	940	4200	35	120	65	on/off
901766.00X.1.76	D 162, H 3, HE 200	940	4200	35	120	65	DALI





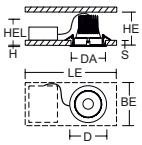




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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed downlights | HELEDON maxi - Optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly polycarbonate lens. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights - Spot lens							**Price Category 21**
Ceiling cut out DA 152 mm							
901760.00X	D 162, H 3, HE 200	930	2700	25	108	13	on/off
901760.00X.76	D 162, H 3, HE 200	930	2700	25	108	13	DALI
901760.00X.1	D 162, H 3, HE 200	940	2800	25	112	13	on/off
901760.00X.1.76	D 162, H 3, HE 200	940	2800	25	112	13	DALI
901767.00X	D 162, H 3, HE 200	930	3500	35	100	13	on/off
901767.00X.76	D 162, H 3, HE 200	930	3500	35	100	13	DALI
901767.00X.1	D 162, H 3, HE 200	940	3700	35	106	13	on/off
901767.00X.1.76	D 162, H 3, HE 200	940	3700	35	106	13	DALI
Recessed downlights - Medium lens							**Price Category 21**
Ceiling cut out DA 152 mm							
901761.00X	D 162, H 3, HE 200	930	2600	25	104	31	on/off
901761.00X.76	D 162, H 3, HE 200	930	2600	25	104	31	DALI
901761.00X.1	D 162, H 3, HE 200	940	2700	25	108	31	on/off
901761.00X.1.76	D 162, H 3, HE 200	940	2700	25	108	31	DALI
901768.00X	D 162, H 3, HE 200	930	3400	35	98	31	on/off
901768.00X.76	D 162, H 3, HE 200	930	3400	35	98	31	DALI
901768.00X.1	D 162, H 3, HE 200	940	3550	35	102	31	on/off
901768.00X.1.76	D 162, H 3, HE 200	940	3550	35	102	31	DALI
Recessed downlights - Flood lens							**Price Category 21**
Ceiling cut out DA 152 mm							
901762.00X	D 162, H 3, HE 200	930	2650	25	106	42	on/off
901762.00X.76	D 162, H 3, HE 200	930	2650	25	106	42	DALI
901762.00X.1	D 162, H 3, HE 200	940	2800	25	112	42	on/off
901762.00X.1.76	D 162, H 3, HE 200	940	2800	25	112	42	DALI
901769.00X	D 162, H 3, HE 200	930	3450	35	99	42	on/off
901769.00X.76	D 162, H 3, HE 200	930	3450	35	99	42	DALI
901769.00X.1	D 162, H 3, HE 200	940	3650	35	105	42	on/off
901769.00X.1.76	D 162, H 3, HE 200	940	3650	35	105	42	DALI

Comparison
LED vs. conventional lamps

LED 25 W ≈
1 x 35 W HIT (43 W Psys)

LED 35 W ≈
1 x 50 W HIT (56 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°





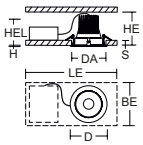




Accessories:
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Recessed downlights | HELEDON maxi - Food optic reflector



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With MIRO-SILVER® reflector and special food LED. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Food LED light colours show food in its best light:

- **bakery** (golden yellow): Baked goods look fresher and the colours are more intense
- **fresh meat** (reddish white): Fresh presentation of sausages and meat, white parts remain white
- **meat +** (intense red): The red colour of sausages and meat is highlighted

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights - Reflector spot							**Price Category 21**
Ceiling cut out DA 152 mm							
901784.00X.2	D 162, H 3, HE 200	bakery	3300	33	100	17	on/off
901784.00X.2.76	D 162, H 3, HE 200	bakery	3300	33	100	17	DALI
901770.00X	D 162, H 3, HE 200	fresh meat	2100	33	64	17	on/off
901770.00X.76	D 162, H 3, HE 200	fresh meat	2100	33	64	17	DALI
901777.00X	D 162, H 3, HE 200	meat +	2200	33	67	17	on/off
901777.00X.76	D 162, H 3, HE 200	meat +	2200	33	67	17	DALI
Recessed downlights - Reflector medium							**Price Category 21**
Ceiling cut out DA 152 mm							
901785.00X.2	D 162, H 3, HE 200	bakery	3400	33	104	23	on/off
901785.00X.2.76	D 162, H 3, HE 200	bakery	3400	33	104	23	DALI
901771.00X	D 162, H 3, HE 200	fresh meat	2150	33	66	23	on/off
901771.00X.76	D 162, H 3, HE 200	fresh meat	2150	33	66	23	DALI
901778.00X	D 162, H 3, HE 200	meat +	2250	33	69	23	on/off
901778.00X.76	D 162, H 3, HE 200	meat +	2250	33	69	23	DALI
Recessed downlights - Reflector flood							**Price Category 21**
Ceiling cut out DA 152 mm							
901786.00X.2	D 162, H 3, HE 200	bakery	3450	33	105	33	on/off
901786.00X.2.76	D 162, H 3, HE 200	bakery	3450	33	105	33	DALI
901772.00X	D 162, H 3, HE 200	fresh meat	2150	33	66	33	on/off
901772.00X.76	D 162, H 3, HE 200	fresh meat	2150	33	66	33	DALI
901779.00X	D 162, H 3, HE 200	meat +	2250	33	69	33	on/off
901779.00X.76	D 162, H 3, HE 200	meat +	2250	33	69	33	DALI
Recessed downlights - Reflector wide flood							**Price Category 21**
Ceiling cut out DA 152 mm							
901787.00X.2	D 162, H 3, HE 200	bakery	3300	33	100	67	on/off
901787.00X.2.76	D 162, H 3, HE 200	bakery	3300	33	100	67	DALI
901773.00X	D 162, H 3, HE 200	fresh meat	2050	33	63	67	on/off
901773.00X.76	D 162, H 3, HE 200	fresh meat	2050	33	63	67	DALI
901780.00X	D 162, H 3, HE 200	meat +	2150	33	66	67	on/off
901780.00X.76	D 162, H 3, HE 200	meat +	2150	33	66	67	DALI



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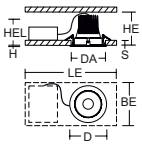






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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed downlights | HELEDON maxi - Food optic lens





Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly polycarbonate lens and special food LED. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Food LED light colours show food in its best light:

- **bakery** (golden yellow): Baked goods look fresher and the colours are more intense
- **fresh meat** (reddish white): Fresh presentation of sausages and meat, white parts remain white
- **meat +** (intense red): The red colour of sausages and meat is highlighted

	superspot	<10°
	spot	10°-20°
	medium	>20°-35°
	flood	>35°-45°
	wide flood	>45°-70°
	extra wide flood	>70°

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights - Spot lens							**Price Category 21**
Ceiling cut out DA 152 mm							
901788.00X.2	D 162, H 3, HE 200	bakery	2950	33	90	17	on/off
901788.00X.2.76	D 162, H 3, HE 200	bakery	2950	33	90	17	DALI
901774.00X	D 162, H 3, HE 200	fresh meat	1800	33	55	17	on/off
901774.00X.76	D 162, H 3, HE 200	fresh meat	1800	33	55	17	DALI
901781.00X	D 162, H 3, HE 200	meat +	1900	33	58	17	on/off
901781.00X.76	D 162, H 3, HE 200	meat +	1900	33	58	17	DALI
Recessed downlights - Medium lens							**Price Category 21**
Ceiling cut out DA 152 mm							
901789.00X.2	D 162, H 3, HE 200	bakery	2850	33	87	35	on/off
901789.00X.2.76	D 162, H 3, HE 200	bakery	2850	33	87	35	DALI
901775.00X	D 162, H 3, HE 200	fresh meat	1750	33	54	35	on/off
901775.00X.76	D 162, H 3, HE 200	fresh meat	1750	33	54	35	DALI
901782.00X	D 162, H 3, HE 200	meat +	1850	33	57	35	on/off
901782.00X.76	D 162, H 3, HE 200	meat +	1850	33	57	35	DALI
Recessed downlights - Flood lens							**Price Category 21**
Ceiling cut out DA 152 mm							
901790.00X.2	D 162, H 3, HE 200	bakery	2900	33	88	44	on/off
901790.00X.2.76	D 162, H 3, HE 200	bakery	2900	33	88	44	DALI
901776.00X	D 162, H 3, HE 200	fresh meat	1800	33	55	44	on/off
901776.00X.76	D 162, H 3, HE 200	fresh meat	1800	33	55	44	DALI
901783.00X	D 162, H 3, HE 200	meat +	1900	33	58	44	on/off
901783.00X.76	D 162, H 3, HE 200	meat +	1900	33	58	44	DALI



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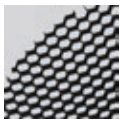
Accessories | HELEDON mini




Diffuser			Price Category 21
982370.000	D 74, H 3	Safety glass, clear.	
982370.010	D 74, H 3	Safety glass, satin finish.	




Decorative glasses			Price Category 21
982647.002	D 87, H 41	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	
982648.002	D 87, H 76	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	



Anti-glare honeycomb louvre			Price Category 21
982371.003	D 74, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982419.002	D 82, H 20	White plastic ring for reflector.	
982421.002	D 82, H 31	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982368.003	D 82, H 55	Reflector spot, narrow beam	
982368.013	D 82, H 55	Reflector medium, medium beam	
982368.023	D 82, H 55	Reflector flood, wide beam	
982368.033	D 82, H 55	Reflector wide flood, very wide beam	
982369.003	D 82, H 55	Spot lens, narrow beam	
982369.013	D 82, H 55	Medium lens, medium beam	
982369.023	D 82, H 55	Flood lens, wide beam	
982369.033	D 82, H 55	Extra wide flood lens, extremly wide beam	
982369.043	D 82, H 55	Lens with oval light distribution for corridor	



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm^2 or 3 x 2.5 mm^2 possible.	



Compensating rings available for various ceiling cut outs!

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Accessories | HELEDON maxi



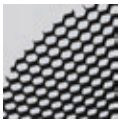
Diffuser			Price Category 21
982374.000	D 111, H 3	Safety glass, clear.	
982374.010	D 111, H 3	Safety glass, satin finish.	



Decorative glasses			Price Category 21
982649.002	D 123, H 41	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	
982650.002	D 123, H 76	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	



Anti-glare honeycomb louvre			Price Category 21
982375.003	D 111, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982420.002	D 118, H 20	White plastic ring for reflector.	
982422.002	D 118, H 33	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982372.003	D 118, H 83	Reflector spot, narrow beam	
982372.013	D 118, H 83	Reflector medium, medium beam	
982372.023	D 118, H 83	Reflector flood, wide beam	
982372.033	D 118, H 83	Reflector wide flood, very wide beam	
982373.003	D 118, H 83	Spot lens, narrow beam	
982373.013	D 118, H 83	Medium lens, medium beam	
982373.023	D 118, H 83	Flood lens, wide beam	



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm^2 or 3 x 2.5 mm^2 possible.	



Compensating rings available for various ceiling cut outs!



superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°

PASCALA®

Everything at a glance



Suitable for ceiling
thicknesses of 6-35 mm.

CRI
>90

Colour rendering index CRI >90
for true-to-life colour reproduction.

Round and square versions
with round ceiling cut-out.

Patented reflector made of
MIRO-SILVER® in round design
with total light reflection 98%.

UGR ≤ 19

Ideal for office areas (UGR ≤ 19) and
environments with computer screens
in accordance with DIN EN 12464-1.

High quality converter without flickering and stroboscopic effect.

DALI converter is compatible with DC.

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Tunable white versions, dynamically adjustable from 2700 K to 6500 K.

Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.

MultiLumen version:
You can choose between 16 levels of luminous flux.

The luminous flux of the luminaire can be set on site in approx. 200 lm steps using DIP switches on the separate control gear.

MIRO-SILVER® – OPTIMAL REFLECTION

⊕ **Reflection**
A layer of the purest silver which is produced in a high vacuum, together with a reflection-enhanced layer system, enables a total light reflection of 98%.

⊕ **Efficiency**
Due to the extremely high reflectivity, light can be reflected almost with no losses. Reflection is the decisive factor for energy efficiency in reflector technology.

⊕ **Colour neutral**
The absolutely color-neutral reflecting surfaces have an extremely high long-term stability and can easily be cleaned.



Tunable White | HCL ready | UGR ≤ 19 | MultiLumen | CRI >90 | DALI | Casambi smart+ free

product design award 2012

reddot design award winner 2012

PASCALA®

Recessed downlights

ARCHITECTURE

- Highly efficient recessed downlight with patented reflector made of MIRO-SILVER® in round design with total light reflection 98%.
- Brilliantly luminous corona at the light-emitting surfaces thanks to use of a specially designed cast aluminium ring as a reflector closure.
- Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.
- Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

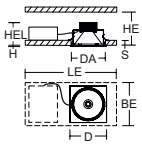
- **MultiLumen:** 16 different luminous fluxes can be set on site in approx. 200 lm steps using DIP switches on the separate converter.
- Tunable white versions, dynamically adjustable from 2700 K to 6500 K.
- LED rated life 50000 h (L80/B10).
- Colour tolerance within 2 MacAdam ellipses (2 SDCM) with standard monochrome LED; 4 MacAdam ellipses (4 SDCM) with tunable white LED.
- DALI converter is compatible with DC.

INSTALLATION

- DALI variants suitable for through wiring as standard.
- With on/off suitable for through-wiring with separately available accessories.
- Large selection of decorative and functional accessory plates to be mounted additionally to the round versions.
- IP 54 to be achieved with corresponding accessories.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed downlights | PASCALA square



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 6-35 mm
Impact protection: IK03

Mounting bracket: galvanised sheet steel. Inner ring and square cover plate: die-cast aluminium. Reflector material: MIRO-SILVER® with 98 percent total light reflection. Spring fastening system. Connected converter included in separate gearbox. With connecting cable (L 400 mm).

Available colours (X): 2 = white, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

MultiLumen: 16 steps adjustable luminous flux. Factory setting is step 5.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights - Symmetrical light distribution								**Price Category 21**
Ceiling cut out DA 228 mm								
901805.00X	L 242, B 242, H 3, HE 160	930	1550...4700	11...39	141	57	15,5...19,3	on/off
901805.00X.76	L 242, B 242, H 3, HE 160	930	1550...4700	11...39	141	57	15,5...19,3	DALI
901805.00X.1	L 242, B 242, H 3, HE 160	940	1600...4900	11...39	146	57	15,5...19,4	on/off
901805.00X.1.76	L 242, B 242, H 3, HE 160	940	1600...4900	11...39	146	57	15,5...19,4	DALI
Tunable White - 2700 K to 6500 K								
901561.00X.2.76	L 242, B 242, H 3, HE 160	827-865	2900	30	97	54	16,1...16,4	DALI
901561.00X.2.730	L 242, B 242, H 3, HE 160	827-865	2900	30	97	54	16,1...16,4	smart+free
Recessed downlights - Asymmetrical light distribution								**Price Category 21**
Ceiling cut out DA 228 mm								
901806.00X	L 242, B 242, H 3, HE 175	930	1600...4750	11...39	146		27,9...31,7	on/off
901806.00X.76	L 242, B 242, H 3, HE 175	930	1600...4750	11...39	146		27,9...31,7	DALI
901806.00X.1	L 242, B 242, H 3, HE 175	940	1650...4950	11...39	150		28...31,8	on/off
901806.00X.1.76	L 242, B 242, H 3, HE 175	940	1650...4950	11...39	150		28...31,8	DALI
Tunable White - 2700 K to 6500 K								
901569.00X.2.76	L 242, B 242, H 3, HE 175	827-865	2800	30	94		29,8...30,1	DALI
901569.00X.2.730	L 242, B 242, H 3, HE 175	827-865	2800	30	94		29,8...30,1	smart+free

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 11 W ≈
1 x 20 W HIT (23 W Psys)

LED 30 W ≈
1 x 35 W HIT (43 W Psys)

LED 39 W ≈
2 x 26 W TC-D (68 W Psys)
1 x 50 W HIT (56 W Psys)



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter. Only required for on/off.



Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.	

Adjustable luminous flux MultiLumen

Symmetrical 901805.X			
Step	Luminous flux [lm]	Luminous flux [lm]	System power [W]
	3000 K	**4000 K**	
1	1550	1600	11
2	1780	1840	13
3	2000	2080	15
4	2230	2320	17
5	**2450**	**2550**	**19**
6	2660	2780	21
7	2880	3000	22
8	3090	3230	24
9	3300	3450	26
10	3500	3660	28
11	3700	3870	30
12	3900	4080	31
13	4100	4280	33
14	4300	4490	35
15	4500	4700	37
16	4700	4900	39

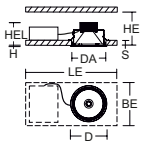
Asymmetrical 901806.X			
Step	Luminous flux [lm]	Luminous flux [lm]	System power [W]
	3000 K	**4000 K**	
1	1600	1650	11
2	1830	1890	13
3	2050	2130	15
4	2280	2370	17
5	**2500**	**2600**	**19**
6	2720	2830	21
7	2930	3050	22
8	3140	3280	24
9	3350	3500	26
10	3550	3710	28
11	3750	3920	30
12	3950	4130	31
13	4150	4330	33
14	4350	4540	35
15	4550	4750	37
16	4750	4950	39



Compensating rings available for various ceiling cut outs!



Recessed downlights | PASCALA round



Type of protection: IP 20, **IP 54** with corresponding accessories
Protection class: II
Ceiling thickness S: 6-35 mm
Impact protection: IK03

Mounting bracket: galvanised sheet steel. Inner and closure ring: die-cast aluminium.
Reflector material: MIRO-SILVER® with 98 percent total light reflection. Spring fastening system.
Connected converter included in separate gearbox. With connecting cable (L 400 mm).

Available colours (X): 2 = white, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

MultiLumen: 16 steps adjustable luminous flux. Factory setting is step 5.

Comparison
LED vs. conventional lamps

LED 11 W ≈
1 x 20 W HIT (23 W Psys)

LED 30 W ≈
1 x 35 W HIT (43 W Psys)

LED 39 W ≈
2 x 26 W TC-D (68 W Psys)
1 x 50 W HIT (56 W Psys)



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights - Symmetrical light distribution								**Price Category 21**
Ceiling cut out DA 228 mm								
901803.00X	D 241, H 2, HE 160	930	1550...4700	11...39	141	57	15,5...19,3	on/off
901803.00X.76	D 241, H 2, HE 160	930	1550...4700	11...39	141	57	15,5...19,3	DALI
901803.00X.1	D 241, H 2, HE 160	940	1600...4900	11...39	146	57	15,5...19,4	on/off
901803.00X.1.76	D 241, H 2, HE 160	940	1600...4900	11...39	146	57	15,5...19,4	DALI
Tunable White - 2700 K to 6500 K								
901557.00X.2.76	D 241, H 2, HE 160	827-865	2900	30	97	54	16,1...16,4	DALI
901557.00X.2.730	D 241, H 2, HE 160	827-865	2900	30	97	54	16,1...16,4	smart+free
Recessed downlights - Asymmetrical light distribution								**Price Category 21**
Ceiling cut out DA 228 mm								
901804.00X	D 241, H 2, HE 160	930	1600...4750	11...39	146		27,9...31,7	on/off
901804.00X.76	D 241, H 2, HE 160	930	1600...4750	11...39	146		27,9...31,7	DALI
901804.00X.1	D 241, H 2, HE 160	940	1650...4950	11...39	150		28...31,8	on/off
901804.00X.1.76	D 241, H 2, HE 160	940	1650...4950	11...39	150		28...31,8	DALI
Tunable White - 2700 K to 6500 K								
901565.00X.2.76	D 241, H 2, HE 175	827-865	2800	30	94		29,8...30,1	DALI
901565.00X.2.730	D 241, H 2, HE 175	827-865	2800	30	94		29,8...30,1	smart+free

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter. Only required for on/off.

Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.	

Adjustable luminous flux MultiLumen

Symmetrical 901805.X			
Step	Luminous flux [lm] **3000 K**	Luminous flux [lm] **4000 K**	System power [W]
1	1550	1600	11
2	1780	1840	13
3	2000	2080	15
4	2230	2320	17
5	**2450**	**2550**	**19**
6	2660	2780	21
7	2880	3000	22
8	3090	3230	24
9	3300	3450	26
10	3500	3660	28
11	3700	3870	30
12	3900	4080	31
13	4100	4280	33
14	4300	4490	35
15	4500	4700	37
16	4700	4900	39

Asymmetrical 901806.X			
Step	Luminous flux [lm] **3000 K**	Luminous flux [lm] **4000 K**	System power [W]
1	1600	1650	11
2	1830	1890	13
3	2050	2130	15
4	2280	2370	17
5	**2500**	**2600**	**19**
6	2720	2830	21
7	2930	3050	22
8	3140	3280	24
9	3350	3500	26
10	3550	3710	28
11	3750	3920	30
12	3950	4130	31
13	4150	4330	33
14	4350	4540	35
15	4550	4750	37
16	4750	4950	39



Compensating rings available for various ceiling cut outs!

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

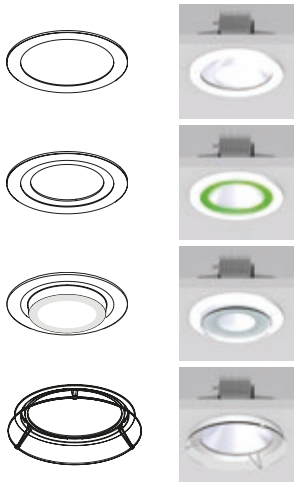
Accessories | PASCALA round

Available colours (X): 2 = white, 4 = silver

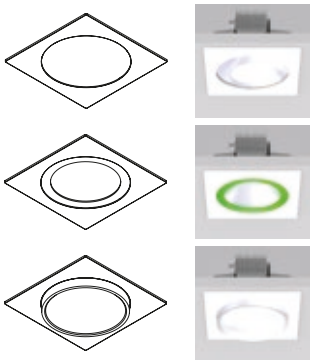
Not suitable for mounting to SQUARE version of Pascala.

Reference number

Accessories Round		Price Category 21
for mounting to ROUND version of PASCALA		
Diffuser: safety glass (IP 54)		
981753.00X	transparent	
981753.01X	matt	
981753.02X	centre: matt	
981753.03X	centre: transparent	
Decorative rings, satin finish (coloured), D 246 mm, H 14 mm		
981754.00X	clear	
981754.03X	red	
981754.04X	green	
981754.05X	blue	
981754.06X	yellow	
Decorative designer glass cover with lens, IP 54, D 246 mm, H 34 mm		
981757.00X	transparent	
981757.01X	matt	
981757.02X	covering surface: transparent; floor: matt	
981757.03X	covering surface: transparent; floor: partially matt (with transparent centre)	
Decorative attachment (hanging down), D 265 mm, H 35 mm		
981758.000	transparent	
981758.002	matt	
981758.010	centre: matt	
981758.020	centre: transparent	



Accessories Round with square cover plate		Price Category 21
for mounting to ROUND version of PASCALA		
Diffuser: safety glass IP 54, L 246 mm, B 246 mm, H 14 mm		
981895.00X	transparent	
981895.01X	matt	
981895.02X	centre: matt	
981895.03X	centre: transparent	
Decorative rings, satin finish (coloured), L 246 mm, B 246 mm, H 14 mm		
981896.00X	transparent	
981896.03X	red	
981896.04X	green	
981896.05X	blue	
981896.06X	yellow	
Decorative glass cover, IP 54, L 246 mm, B 246 mm, H 34 mm		
981899.00X	transparent	
981899.01X	matt	
981899.02X	covering surface: transparent; floor: matt	
981899.03X	covering surface: transparent; floor: partially matt (with transparent centre)	





DALI Plug & Play

QUARDO®

Recessed downlights

ARCHITECTURE

- High-quality recessed downlight with square luminous surface.
- Open version for top efficiency, and square light pyramid.
- Version with recessed satin-finish cover plate for harmonious lighting and attractive luminaire design.

LIGHTING DESIGN

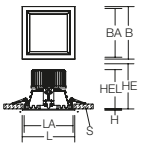
- LED rated life 50000 h (L90/B10).
- Colour tolerance within 2-steps MacAdam (2 SDCM).
- High quality converter without flickering and stroboscopic effect.

INSTALLATION

- Separate converter box with connecting cable.
- Easy to install thanks to tool-free spring fastening system.
- Suitable for through-wiring with separately available accessories.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed downlights | QUARDO



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-30 mm
Impact protection: IK03

Recessed frame: die-cast aluminium, powder-coated. Mounting bracket: galvanised sheet steel. Reflector: aluminium, highly polished anodised finish. Open or with recessed diffuser in satin-finish polycarbonate. Ceiling installation with spring system. Including separate LED converter with connecting cable 600 mm.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	lighting control
Recessed downlights								**Price Category 21**
Ceiling cut out LA 165 x BA 165 mm								
Open version								
901705.002	L 176, B 176, H 4, HE 150	830	2500	19	132	87/88	21,9	on/off
901705.002.76	L 176, B 176, H 4, HE 150	830	2500	19	132	87/88	21,9	DALI
901705.002.1	L 176, B 176, H 4, HE 150	840	2600	19	137	87/88	22,1	on/off
901705.002.1.76	L 176, B 176, H 4, HE 150	840	2600	19	137	87/88	22,1	DALI
901706.002	L 176, B 176, H 4, HE 150	830	4200	37	114	87/88	23,8	on/off
901706.002.76	L 176, B 176, H 4, HE 150	830	4200	37	114	87/88	23,8	DALI
901706.002.1	L 176, B 176, H 4, HE 150	840	4450	37	121	87/88	24	on/off
901706.002.1.76	L 176, B 176, H 4, HE 150	840	4450	37	121	87/88	24	DALI
Includes satin-finish diffuser								
901707.002	L 176, B 176, H 4, HE 150	830	2300	19	122	88	24,9	on/off
901707.002.76	L 176, B 176, H 4, HE 150	830	2300	19	122	88	24,9	DALI
901707.002.1	L 176, B 176, H 4, HE 150	840	2400	19	127	88	25,1	on/off
901707.002.1.76	L 176, B 176, H 4, HE 150	840	2400	19	127	88	25,1	DALI
901708.002	L 176, B 176, H 4, HE 150	830	3900	37	106	88	26,8	on/off
901708.002.76	L 176, B 176, H 4, HE 150	830	3900	37	106	88	26,8	DALI
901708.002.1	L 176, B 176, H 4, HE 150	840	4150	37	113	88	27	on/off
901708.002.1.76	L 176, B 176, H 4, HE 150	840	4150	37	113	88	27	DALI

Ra > 90 options on request



Comparison
LED vs. conventional lamps

LED 19 W ≈
1 x 35 W HIT (43 W Psys)

LED 37 W ≈
1 x 50 W HIT (56 W Psys)



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.



Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.	



Compensating rings available for various ceiling cut outs!



Tunable White | HCL ready | MultiLumen | CRI >90 | DALI | Casambi smart+ free | HACCP | IP65

LEDONA®

Recessed downlights

ARCHITECTURE

- Recessed LED downlight featuring advanced technology and sophisticated design.
- IP 65 version also keeps the protection for the intermediate ceiling; this in turn means optimum protection against dust or moisture (does not apply to converter, IP 20).
- IP 65 versions with ball impact protection in accordance with DIN 18032-03.
- IP 65 versions with Gore™ Protective Vents diaphragm valve to avoid condensation.
- IP 65 versions suitable for use in the food and drink industry.
- Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **MultiLumen:** up to 16 different luminous fluxes can be set on site in approx. 200 lm steps using DIP switches on the separate converter.
- Tunable white versions, dynamically adjustable from 2700 K to 6500 K.
- Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.
- LED rated life 50000 h (L80/B10).
- Colour tolerance within 2 MacAdam ellipses (2 SDCM) with standard monochrome LED; 4 MacAdam ellipses (4 SDCM) with tunable white LED.

INSTALLATION

- DALI converter is compatible with DC.
- DALI variants suitable for through wiring as standard.
- With on/off suitable for through-wiring with separately available accessories.
- Round ceiling cut-out also with square types.
- Easy to install thanks to tool-free spring fastening system.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Tunable white versions, dynamically adjustable from 2700 K to 6500 K.

Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.

Tunable White

HCL ready

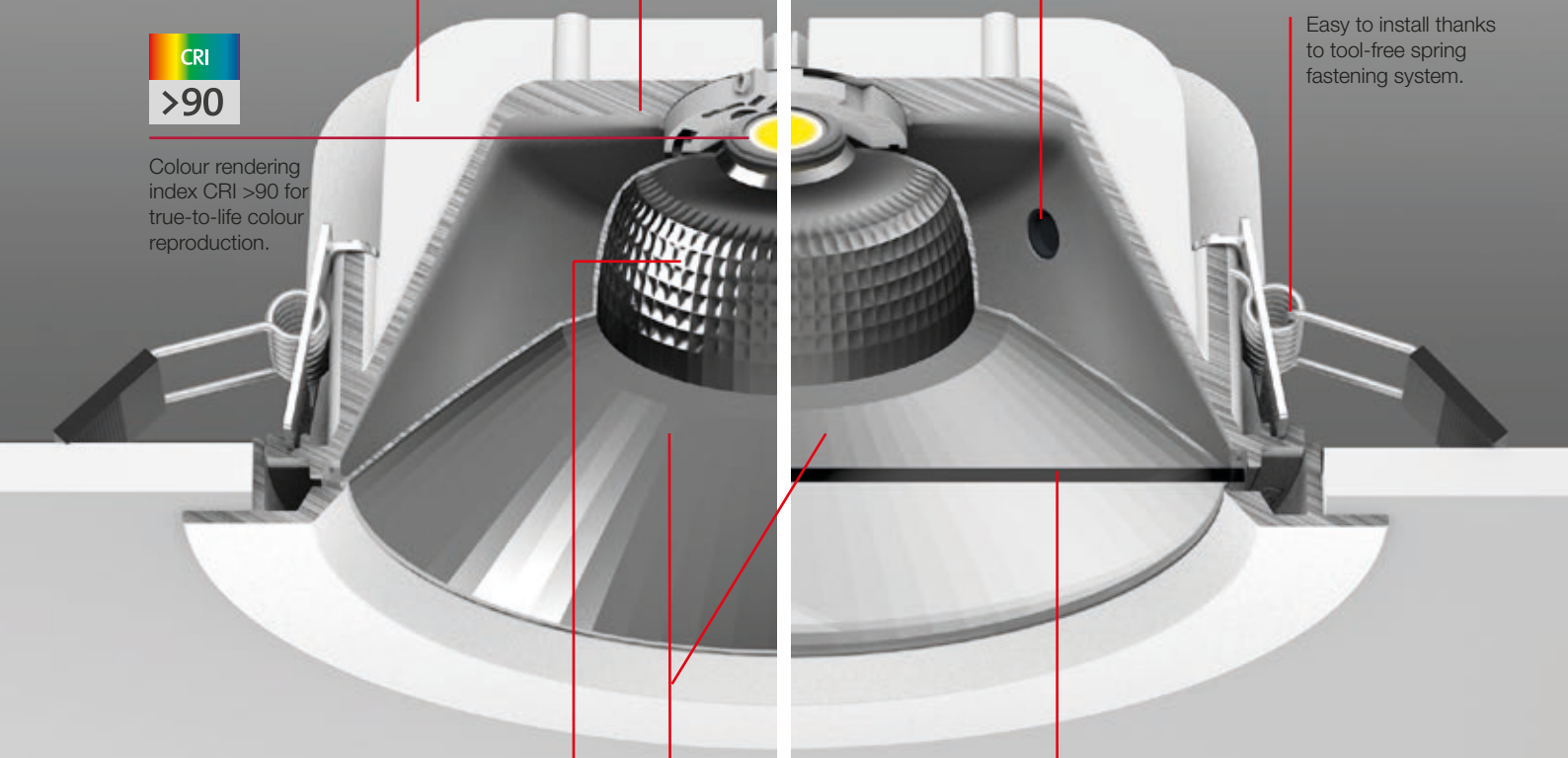
Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Casambi smart+ free

Passive cooling system.

CRI >90

Colour rendering index CRI >90 for true-to-life colour reproduction.



Unique light mixing chamber provides harmonized lighting and advanced anti-glare properties, as well as high LORs.

Four-segment aluminium faceted reflector surface-structured for IP 65 or mirror finish for IP 20.

MultiLumen

MultiLumen version:
You can choose between up to 16 levels of luminous flux.

The luminous flux of the luminaire can be set on site in approx. 200 lm steps using DIP switches on the separate control gear.

IP65

Keeps the protection for the intermediate ceiling; this in turn means optimum protection against dust or moisture (does not apply to converter, IP 20).

With Gore™ Protective Vents diaphragm valve to avoid condensation.

Easy to install thanks to tool-free spring fastening system.

Single-layer safety glass diffuser.

Ball impact protection in accordance with DIN 18032-03.

HACCP

Suitable for use in the food and drink industry.

LEDONA ROUND IP 20

LEDONA ROUND IP 65



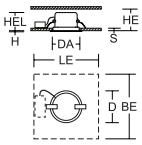
Comparison
LED vs. conventional lamps

LED 12 / 16 W ≈
1 x 20 W HIT (23 W Psys)

LED 25 / 30 W ≈
1 x 35 W HIT (43 W Psys)

LED 39 / 41 W ≈
1 x 50 W HIT (56 W Psys)

Recessed downlights | LEDONA round IP20



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: die-cast aluminium constructed as heat sink. Bezel ring: die-cast aluminium, powder coated. Open version. Faceted aluminium reflector high gloss, with high gloss light mixing chamber. Spring fastening system. Connected converter included in separate gearbox. With connecting cable (L 250 mm).

Available colour: 2 = white

MultiLumen: up to 16 steps adjustable luminous flux.
Factory setting: D 140 - 12 W | D 180 - 16 W | D 230 - 27 W

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights								**Price Category 21**
Ceiling cut out DA 120 mm								
901791.002	D 140, H 3, HE 79	930	1500...3000	12...25	127	55	19,3...21,7	on/off
901791.002.76	D 140, H 3, HE 79	930	1500...3000	12...25	127	55	19,3...21,7	DALI
901791.002.1	D 140, H 3, HE 79	940	1600...3200	12...25	135	55	19,5...21,9	on/off
901791.002.1.76	D 140, H 3, HE 79	940	1600...3200	12...25	135	55	19,5...21,9	DALI
Tunable White - 2700 K to 6500 K								
901517.002.2.76	D 140, H 3, HE 105	827-865	1350	16	88	62	19,4...19,5	DALI
901517.002.2.730	D 140, H 3, HE 105	827-865	1350	16	88	62	19,4...19,5	smart+free
Ceiling cut out DA 160 mm								
901795.002	D 180, H 3, HE 89	930	1550...4400	12...39	130	64	18,2...21,8	on/off
901795.002.76	D 180, H 3, HE 89	930	1550...4400	12...39	130	64	18,2...21,8	DALI
901795.002.1	D 180, H 3, HE 89	940	1600...4700	12...39	137	64	18,3...22,1	on/off
901795.002.1.76	D 180, H 3, HE 89	940	1600...4700	12...39	137	64	18,3...22,1	DALI
Tunable White - 2700 K to 6500 K								
901519.002.2.76	D 180, H 3, HE 89	827-865	2600	30	87	71	20,3...20,6	DALI
901519.002.2.730	D 180, H 3, HE 89	827-865	2600	30	87	71	20,3...20,6	smart+free
Ceiling cut out DA 210 mm								
901799.002	D 230, H 3, HE 108	930	1550...4700	12...41	132	90	19,5...23,3	on/off
901799.002.76	D 230, H 3, HE 108	930	1550...4700	12...41	132	90	19,5...23,3	DALI
901799.002.1	D 230, H 3, HE 108	940	1650...5050	12...41	140	90	19,7...23,6	on/off
901799.002.1.76	D 230, H 3, HE 108	940	1650...5050	12...41	140	90	19,7...23,6	DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter. Only required for on/off.

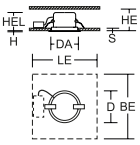
Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.	





Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed downlights | LEDONA round IP65





Type of protection: **IP 65**, Converter IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK07

Housing: die-cast aluminium constructed as heat sink. Bezel ring: die-cast aluminium, powder coated. Closed version. Standard Gore™ Protective Vents diaphragm valve to avoid condensation. LED diffuser made of safety glass. Faceted aluminium reflector satin-matt, with high gloss light mixing chamber. Spring fastening system. Connected converter included in separate gearbox. With connecting cable (L 250 mm).

Ball impact proof in accordance with DIN 18032-03.

Available colour: 2 = white

MultiLumen: up to 16 steps adjustable luminous flux.
Factory setting: D 140 - 12 W | D 180 - 16 W | D 230 - 27 W

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison LED vs. conventional lamps

LED 12 / 16 W ≈
1 x 20 W HIT (23 W Psys)

LED 25 / 30 W ≈
1 x 35 W HIT (43 W Psys)

LED 39 / 41 W ≈
1 x 50 W HIT (56 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights								**Price Category 21**
Ceiling cut out DA 120 mm								
901793.002	D 140, H 3, HE 82	930	1450...3000	12...25	122	50	19,3...21,8	on/off
901793.002.76	D 140, H 3, HE 82	930	1450...3000	12...25	122	50	19,3...21,8	DALI
901793.002.1	D 140, H 3, HE 82	940	1500...3100	12...25	129	50	19,4...21,9	on/off
901793.002.1.76	D 140, H 3, HE 82	940	1500...3100	12...25	129	50	19,4...21,9	DALI
Tunable White - 2700 K to 6500 K								
901524.002.2.76	D 140, H 3, HE 105	827-865	1350	16	85	61	19,4...19,7	DALI
901524.002.2.730	D 140, H 3, HE 105	827-865	1350	16	85	61	19,4...19,7	smart+free
Ceiling cut out DA 160 mm								
901797.002	D 180, H 3, HE 92	930	1500...4300	12...39	125	65	18,4...22,1	on/off
901797.002.76	D 180, H 3, HE 92	930	1500...4300	12...39	125	65	18,4...22,1	DALI
901797.002.1	D 180, H 3, HE 92	940	1550...4500	12...39	132	65	18,5...22,2	on/off
901797.002.1.76	D 180, H 3, HE 92	940	1550...4500	12...39	132	65	18,5...22,2	DALI
Tunable White - 2700 K to 6500 K								
901526.002.2.76	D 180, H 3, HE 92	827-865	2450	30	84	72	20,2...20,4	DALI
901526.002.2.730	D 180, H 3, HE 92	827-865	2450	30	84	72	20,2...20,4	smart+free
Ceiling cut out DA 210 mm								
901801.002	D 230, H 3, HE 111	930	1500...4550	12...41	129	91	19,4...23,3	on/off
901801.002.76	D 230, H 3, HE 111	930	1500...4550	12...41	129	91	19,4...23,3	DALI
901801.002.1	D 230, H 3, HE 111	940	1600...4950	12...41	137	91	19,7...23,6	on/off
901801.002.1.76	D 230, H 3, HE 111	940	1600...4950	12...41	137	91	19,7...23,6	DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter. Only required for on/off.



Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.	









Compensating rings available for various ceiling cut outs!



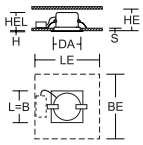
Comparison
LED vs. conventional lamps

LED 12 / 16 W ≈
1 x 20 W HIT (23 W Psys)

LED 25 / 30 W ≈
1 x 35 W HIT (43 W Psys)

LED 39 / 41 W ≈
1 x 50 W HIT (56 W Psys)

Recessed downlights | LEDONA square IP20



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: die-cast aluminium constructed as heat sink. Square cover plate: die-cast aluminium, powder-coated. Open version. Faceted aluminium reflector high gloss, with high gloss light mixing chamber. Spring fastening system. Connected converter included in separate gearbox. With connecting cable (L 250 mm).

Available colour: 2 = white

MultiLumen: up to 16 steps adjustable luminous flux.
Factory setting: L/B 130 - 12 W | L/B 170 - 16 W | L/B 220 - 27 W

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights								**Price Category 21**
Ceiling cut out DA 120 mm								
901792.002	L 130, B 130, H 3, HE 79	930	1500...3000	12...25	127	55	19,3...21,7	on/off
901792.002.76	L 130, B 130, H 3, HE 79	930	1500...3000	12...25	127	55	19,3...21,7	DALI
901792.002.1	L 130, B 130, H 3, HE 79	940	1600...3200	12...25	135	55	19,5...21,9	on/off
901792.002.1.76	L 130, B 130, H 3, HE 79	940	1600...3200	12...25	135	55	19,5...21,9	DALI
Tunable White - 2700 K to 6500 K								
901531.002.2.76	L 130, B 130, H 3, HE 105	827-865	1350	16	88	62	19,4...19,5	DALI
901531.002.2.730	L 130, B 130, H 3, HE 105	827-865	1350	16	88	62	19,4...19,5	smart+free
Ceiling cut out DA 160 mm								
901796.002	L 170, B 170, H 3, HE 89	930	1550...4400	12...39	130	64	18,2...21,8	on/off
901796.002.76	L 170, B 170, H 3, HE 89	930	1550...4400	12...39	130	64	18,2...21,8	DALI
901796.002.1	L 170, B 170, H 3, HE 89	940	1600...4700	12...39	137	64	18,3...22,1	on/off
901796.002.1.76	L 170, B 170, H 3, HE 89	940	1600...4700	12...39	137	64	18,3...22,1	DALI
Tunable White - 2700 K to 6500 K								
901533.002.2.76	L 170, B 170, H 3, HE 89	827-865	2600	30	87	71	20,3...20,6	DALI
901533.002.2.730	L 170, B 170, H 3, HE 89	827-865	2600	30	87	71	20,3...20,6	smart+free
Ceiling cut out DA 210 mm								
901800.002	L 220, B 220, H 3, HE 108	930	1550...4700	12...41	132	90	19,5...23,3	on/off
901800.002.76	L 220, B 220, H 3, HE 108	930	1550...4700	12...41	132	90	19,5...23,3	DALI
901800.002.1	L 220, B 220, H 3, HE 108	940	1650...5050	12...41	140	90	19,7...23,6	on/off
901800.002.1.76	L 220, B 220, H 3, HE 108	940	1650...5050	12...41	140	90	19,7...23,6	DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter. Only required for on/off.

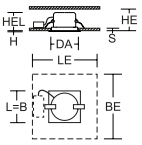
Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.	





Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed downlights | LEDONA square IP65





Type of protection: **IP 65**, Converter IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK07

Housing: die-cast aluminium constructed as heat sink. Square cover plate: die-cast aluminium, powder-coated. Closed version. Standard Gore™ Protective Vents diaphragm valve to avoid condensation. LED diffuser made of safety glass. Faceted aluminium reflector satin-matt, with high gloss light mixing chamber. Spring fastening system. Connected converter included in separate gearbox. With connecting cable (L 250 mm).

Ball impact proof in accordance with DIN 18032-03.

Available colour: 2 = white

MultiLumen: up to 16 steps adjustable luminous flux.
Factory setting: L/B 130 - 12 W | L/B 170 - 16 W | L/B 220 - 27 W

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison LED vs. conventional lamps

LED 12 / 16 W ≈
1 x 20 W HIT (23 W Psys)

LED 25 / 30 W ≈
1 x 35 W HIT (43 W Psys)

LED 39 / 41 W ≈
1 x 50 W HIT (56 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights								**Price Category 21**
Ceiling cut out DA 120 mm								
901794.002	L 130, B 130, H 3, HE 82	930	1450...3000	12...25	122	50	19,3...21,8	on/off
901794.002.76	L 130, B 130, H 3, HE 82	930	1450...3000	12...25	122	50	19,3...21,8	DALI
901794.002.1	L 130, B 130, H 3, HE 82	940	1500...3100	12...25	129	50	19,4...21,9	on/off
901794.002.1.76	L 130, B 130, H 3, HE 82	940	1500...3100	12...25	129	50	19,4...21,9	DALI
Tunable White - 2700 K to 6500 K								
901538.002.2.76	L 130, B 130, H 3, HE 105	827-865	1350	16	85	61	19,4...19,7	DALI
901538.002.2.730	L 130, B 130, H 3, HE 105	827-865	1350	16	85	61	19,4...19,7	smart+free
Ceiling cut out DA 160 mm								
901798.002	L 170, B 170, H 3, HE 92	930	1500...4300	12...39	125	65	18,4...22,1	on/off
901798.002.76	L 170, B 170, H 3, HE 92	930	1500...4300	12...39	125	65	18,4...22,1	DALI
901798.002.1	L 170, B 170, H 3, HE 92	940	1550...4500	12...39	132	65	18,5...22,2	on/off
901798.002.1.76	L 170, B 170, H 3, HE 92	940	1550...4500	12...39	132	65	18,5...22,2	DALI
Tunable White - 2700 K to 6500 K								
901540.002.2.76	L 170, B 170, H 3, HE 92	827-865	2450	30	84	72	20,2...20,4	DALI
901540.002.2.730	L 170, B 170, H 3, HE 92	827-865	2450	30	84	72	20,2...20,4	smart+free
Ceiling cut out DA 210 mm								
901802.002	L 220, B 220, H 3, HE 111	930	1500...4550	12...41	129	91	19,4...23,3	on/off
901802.002.76	L 220, B 220, H 3, HE 111	930	1500...4550	12...41	129	91	19,4...23,3	DALI
901802.002.1	L 220, B 220, H 3, HE 111	940	1600...4950	12...41	137	91	19,7...23,6	on/off
901802.002.1.76	L 220, B 220, H 3, HE 111	940	1600...4950	12...41	137	91	19,7...23,6	DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter. Only required for on/off.



Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.	









Compensating rings available for various ceiling cut outs!



Phase-cut HACCP IP65 IK07

LEDONA® ECO

Recessed downlights

ARCHITECTURE

- Recessed LED downlight to fulfill highest demands.
- IP 65 rating also for the intermediate ceiling; this in turn means optimum protection against dust or moisture.
- With Gore™ Protective Vents diaphragm valve to avoid condensation.
- Qualified for use in the food and drink industry.
- Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

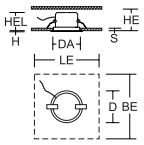
- Ball impact proof in accordance with DIN 18032-03.
- Shockproof cover made of plastic (opal).
- LED rated life 50000 h (L70/B30).
- Colour tolerance within 3-steps MacAdam (3 SDCM).
- Dimmable with standard trailing or leading edge dimmers.

INSTALLATION

- Direct connection to 220-240 V AC, i.e. no converter needed.
- Exchangeable mains voltage LED.
- Round ceiling cut-out also with square types.
- Easy to install thanks to tool-free spring fastening system.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed downlights | LEDONA ECO round





Type of protection: **IP 65**
Protection class: I
Ceiling thickness S: 1-20 mm
Impact protection: IK07

Bezel ring and housing: die-cast aluminium, powder-coated. Cover: plastic, opal. Standard Gore™ Protective Vents diaphragm valve to avoid condensation. Ceiling installation with spring system. 2 meter connecting cable with open wire ends. No converter required.

Ball impact proof in accordance with DIN 18032-03.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights								**Price Category 21**
Ceiling cut out DA 120 mm								
901431.002	D 140, H 3, HE 82	830	660	10	66	108	25,1	Phase-cut
901431.002.1	D 140, H 3, HE 82	840	690	10	69	108	27,4	Phase-cut
Ceiling cut out DA 160 mm								
901433.002	D 180, H 3, HE 92	830	740	10	74	108	25,5	Phase-cut
901433.002.1	D 180, H 3, HE 92	840	780	10	78	108	27,8	Phase-cut
901434.002	D 180, H 3, HE 92	830	1500	20	75	109	28	Phase-cut
901434.002.1	D 180, H 3, HE 92	840	1600	20	80	109	28,2	Phase-cut
Ceiling cut out DA 210 mm								
901454.002	D 230, H 2, HE 111	830	2200	30	74	110	27,5	Phase-cut
901454.002.1	D 230, H 2, HE 111	840	2400	30	80	110	27,8	Phase-cut

Dimmable via phase cut dimmer (10–100%)

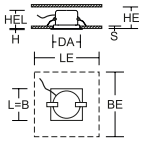
Comparison LED vs. conventional lamps

LED 10 W ≈
1 x 18 W TC-D (26 W Psys)

LED 20 W ≈
2 x 18 W TC-D (52 W Psys)

LED 30 W ≈
2 x 26 W TC-D (68 W Psys)

Recessed downlights | LEDONA ECO square





Type of protection: **IP 65**
Protection class: I
Ceiling thickness S: 1-20 mm
Impact protection: IK07

Square cover and housing: die-cast aluminium, powder-coated. Cover: plastic, opal. Standard Gore™ Protective Vents diaphragm valve to avoid condensation. Ceiling installation with spring system. 2 meter connecting cable with open wire ends. No converter required.

Ball impact proof in accordance with DIN 18032-03.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights								**Price Category 21**
Ceiling cut out DA 120 mm								
901435.002	L 130, B 130, H 3, HE 82	830	660	10	66	108	25,1	Phase-cut
901435.002.1	L 130, B 130, H 3, HE 82	840	690	10	69	108	27,4	Phase-cut
Ceiling cut out DA 160 mm								
901437.002	L 170, B 170, H 3, HE 92	830	740	10	74	108	25,5	Phase-cut
901437.002.1	L 170, B 170, H 3, HE 92	840	780	10	78	108	27,8	Phase-cut
901438.002	L 170, B 170, H 3, HE 92	830	1500	20	75	109	28	Phase-cut
901438.002.1	L 170, B 170, H 3, HE 92	840	1600	20	80	109	28,2	Phase-cut
Ceiling cut out DA 210 mm								
901455.002	L 220, B 220, H 3, HE 111	830	2200	30	74	110	27,5	Phase-cut
901455.002.1	L 220, B 220, H 3, HE 111	840	2400	30	80	110	27,8	Phase-cut

Dimmable via phase cut dimmer (10–100%)

Comparison LED vs. conventional lamps

LED 10 W ≈
1 x 18 W TC-D (26 W Psys)

LED 20 W ≈
2 x 18 W TC-D (52 W Psys)

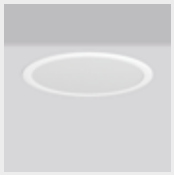
LED 30 W ≈
2 x 26 W TC-D (68 W Psys)

Compensating rings available for various ceiling cut outs!



Overview - TOLEDO FLAT family

This table provides an overview of the uniquely wide variety of the TOLEDO FLAT familiy from RZB. As a recessed, surface-mounted and pendant luminaire with a wide variety of sizes and luminous flux levels, this series is predestined for an exceptionally wide range of applications.

	TOLEDO FLAT round	TOLEDO FLAT square	TOLEDO FLAT PRO	TOLEDO FLAT+ round	TOLEDO FLAT+ square
					
Diffuser	PMMA opal microprismatic	PMMA opal	Polycarbonate smooth, satin finish microprismatic	PMMA opal microprismatic	PMMA opal microprismatic
Base	die-cast aluminium	die-cast aluminium	die-cast aluminium	Housing: sheet steel, luminaire frame: aluminium powder-coated	Housing: sheet steel, luminaire frame: aluminium powder-coated
Type of protection	IP 20 IP 54 on room side	IP 20 IP 54 on room side	IP 20 IP 54 on room side	IP 20 IP 54 on room side	IP 20 IP 54 on room side
Size [mm]	148 190 255 317 495	110 172 225 300	495	165 270 390 470	150 230 310
MultiLumen/MultiColour				✓ ✓ ✓ ✓	✓ ✓ ✓
Suitable for computer workstations			✓	✓ ✓	
Colour tolerance: MacAdam SDCM	4	4	3	3	3
CRI >90			✓		
Tunable White	✓ ✓ ✓	✓ ✓	✓	✓ ✓ ✓ ✓	✓ ✓ ✓
Casambi smart+free*	✓ ✓ ✓	✓ ✓	✓	✓ ✓ ✓ ✓	✓ ✓ ✓
Constant Light Output (CLO)			✓		
Movement sensor	✓	✓		✓ ✓ ✓ ✓	✓ ✓ ✓
Corridor Function	✓	✓			
Master-Slave systeme	✓	✓		✓ ✓ ✓ ✓	✓ ✓ ✓
Bluetooth® Mesh	✓	✓			
Fabric shade with chintz	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓			
Available as emergency luminaire	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓			
More information on page	360-361	362-363	369	374-375	376-377

TOLEDO FLAT round	TOLEDO FLAT round	TOLEDO FLAT square	TOLEDO FLAT PRO	TOLEDO FLAT+ round	TOLEDO FLAT+ square	TOLEDO FLAT round
						
PMMA opal microprismatic	PMMA opal microprismatic	PMMA opal	Polycarbonate smooth, satin finish microprismatic	PMMA opal microprismatic	PMMA opal microprismatic	PMMA opal
sheet steel, powder coated	sheet steel, powder coated	sheet steel, powder coated	sheet steel, powder coated	die-cast aluminium	die-cast aluminium	die-cast aluminium and sheet steel, powder coated
IP 40	IP 40	IP 40	IP 40	IP 40	IP 40	IP 20
595 622	150 192 257 319 500	110 172 225 300	500	165 270 390 470	150 230 310	192 257 319
				✓ ✓ ✓ ✓	✓ ✓ ✓	
			✓	✓ ✓		
4	4	4	3	3	3	4
			✓			
			✓	✓ ✓ ✓ ✓	✓ ✓ ✓	
			✓	✓ ✓ ✓ ✓	✓ ✓ ✓	
			✓			
	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓				✓ ✓ ✓
	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓				
55	395	396	399	402	403	287

TOLEDO FLAT

Everything at a glance



HF motion detector with **Bluetooth® interfaces** and DALI broadcast interfaces for switching, dimming and networking from individual luminaires up to complex light installations.

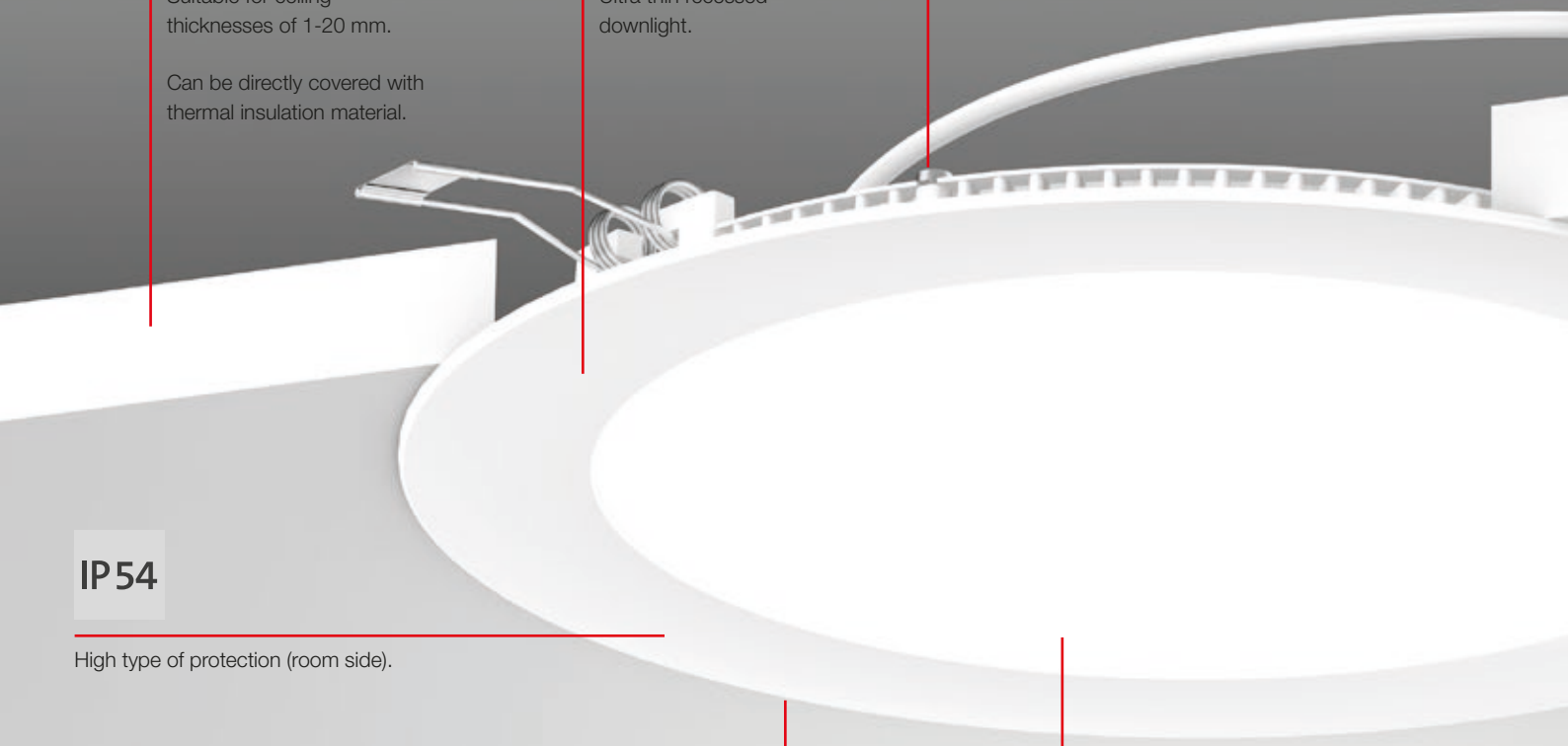
Mesh sensors create a wireless connection between each other. This allows for flexible configuration via smartphone or tablet.

Alternatively: low-cost HF motion detector EASY for direct setting of the sensor via buttons, also with master-slave wiring option.

Suitable for ceiling thicknesses of 1-20 mm.

Can be directly covered with thermal insulation material.

Ultra thin recessed downlight.

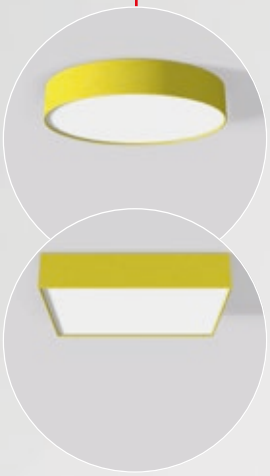


IP54

High type of protection (room side).

Retrofittable decorative cylinders made of chintz fabric in a wide range of colours.

Lightguide and plastic **diffuser** made of **non-yellowing PMMA.**



Plug & Play

Very easy plug-in installation (Quick connector).

DALI converter is compatible with DC, suitable for central battery system.

Casambi smart+ free

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

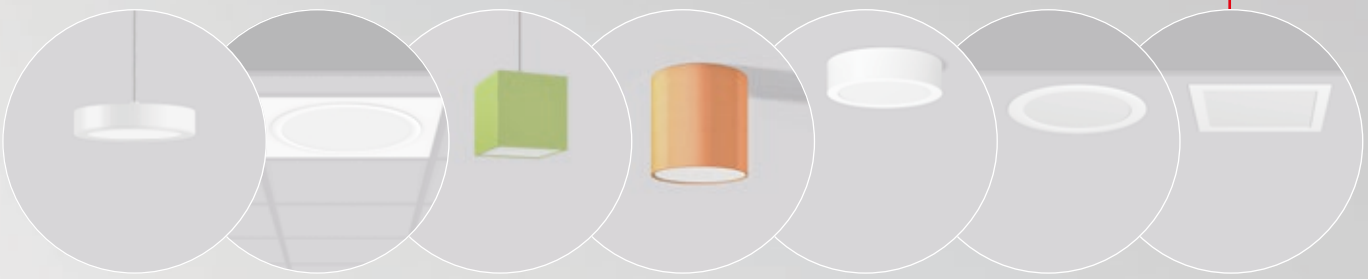
HCL ready

Tunable White

Tunable white versions, dynamically adjustable from 2700 K to 6500 K.

Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.

Recessed / surface-mounted downlights and fabric lampshade luminaires available in round and square shapes as well as recessed modular pendant luminaires and emergency lighting.





Tunable White | HCL ready | DALI | Casambi smart+ free | Master-Slave | Bluetooth® Mesh | Corridor Function | Plug & Play | IP 54

GERMAN DESIGN AWARD WINNER 2018

TOLEDO FLAT

Recessed downlights

ARCHITECTURE

- **Design-oriented:** Minimalist design. Shallow recessed depth.
- **Protected:** High protection type IP 54 on the room side.
- **Advantageous:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Safe:** Also available as an emergency luminaire in accordance with EN 60598-2-22.
- **Applicable:** Corridors, side rooms, hotels, restaurants, conference rooms, private rooms.

LIGHTING DESIGN

- **Homogenous:** Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic.
- **Variable:** Tunable white dynamically adjustable from 2700 K to 6500 K.
- **Optimum:** LED rated life 50,000 h (L80/B50).
- **Dynamic:** Versions with connected HF motion detector can be configured through app via Bluetooth® or buttons.
- **Combinable:** Retrofittable decorative chintz lampshades as accessory.

INSTALLATION

- **Easy installation:** Simple mounting spring system for installation without tools.
- **Straightforward:** Easy installation with Plug & Play plug connection.
- **Expandable:** Suitable for through-wiring with separately available accessories.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.
- **Smart Lighting:** HF motion detector with DALI and Bluetooth® interfaces for switching, dimming and networking from individual luminaires up to complex light installations.



Further luminaires of this series, see:

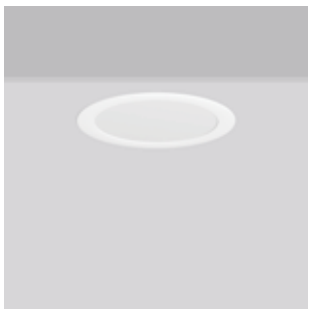
Indoor lighting | Recessed modular luminaires
Indoor lighting | Pendant luminaires
Indoor lighting | Fabric lampshade luminaires
Indoor lighting | Surface mounted downlights

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

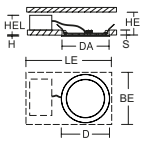


© Linus Lintner

The application image shows:
TOLEDO FLAT



Recessed downlights | TOLEDO FLAT round



Type of protection: IP 20, **IP 54** on room side
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA). Ceiling installation with spring system. Mounting depth depends on ceiling strength. Including separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W Psys)

LED 7,7 W ≈
1 x 18 W TC-D (26 W Psys)

LED 17 / 19 W ≈
1 x 32 W TC-TEL (36 W Psys)

LED 22 / 24 W ≈
2 x 26 W TC-D (68 W Psys)

LED 30 W ≈
3 x 26 W TC-D (102 W Psys)

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control	
Recessed downlights								**Price Category 21**
Diffuser: plastic, opal								
Ceiling cut out DA 128 mm								
901451.002 .Q	D 148, H 2, HE 27-53	830	470	5	94	110	on/off	✓
901451.002.76	D 148, H 2, HE 31-53	830	470	5	94	110	DALI	
901451.002.1	D 148, H 2, HE 27-53	840	530	5	106	110	on/off	✓
901451.002.1.76	D 148, H 2, HE 31-53	840	530	5	106	110	DALI	
Ceiling cut out DA 170 mm								
901452.002 .Q	D 190, H 2, HE 27-53	830	780	7,7	102	110	on/off	✓
901452.002.76	D 190, H 2, HE 31-53	830	780	7,7	102	110	DALI	
901452.002.1 .Q	D 190, H 2, HE 27-53	840	840	7,7	110		on/off	✓
901452.002.1.76	D 190, H 2, HE 31-53	840	840	7,7	110		DALI	
Ceiling cut out DA 234 mm								
901453.002 .Q	D 255, H 3, HE 30-56	830	1650	17	98	110	on/off	✓
901453.002.76 .Q	D 255, H 3, HE 31-56	830	1650	17	98	110	DALI	
901453.002.1 .Q	D 255, H 3, HE 30-56	840	1800	17	106	110	on/off	✓
901453.002.1.76 .Q	D 255, H 3, HE 31-56	840	1800	17	106	110	DALI	
Tunable White - 2700 K to 6500 K								
901666.002.76	D 255, H 3, HE 30-56	827-865	1700	19	90	110	DALI	
901666.002.730	D 255, H 3, HE 55-75	827-865	1700	19	90	110	smart+free	
Ceiling cut out DA 288 mm								
901484.002 .Q	D 317, H 3, HE 31-54	830	2150	22	98	108	on/off	✓
901484.002.76	D 317, H 3, HE 31-54	830	2150	22	98	108	DALI	
901484.002.1 .Q	D 317, H 3, HE 31-54	840	2250	22	103	108	on/off	✓
901484.002.1.76	D 317, H 3, HE 31-54	840	2250	22	103	108	DALI	
Tunable White - 2700 K to 6500 K								
901667.002.76	D 317, H 3, HE 31-54	827-865	2450	24	105	108	DALI	
901667.002.730	D 317, H 3, HE 55-75	827-865	2350	24	98	108	smart+free	
Ceiling cut out DA 470 mm								
901585.002	D 495, H 6, HE 40-59	830	3550	30	119	113	on/off	
901585.002.76	D 495, H 6, HE 40-59	830	3550	30	119	113	DALI	
901585.002.1	D 495, H 6, HE 40-59	840	3600	30	120	113	on/off	
901585.002.1.76	D 495, H 6, HE 40-59	840	3600	30	120	113	DALI	
Tunable White - 2700 K to 6500 K								
901668.002.76	D 495, H 6, HE 35-55	827-865	3150	30	105	113	DALI	
901668.002.730	D 495, H 6, HE 55-75	827-865	3150	30	105	113	smart+free	
Diffuser: plastic, microprismatic								
Ceiling cut out DA 470 mm								
901586.002	D 495, H 6, HE 40-59	830	3450	30	115	88	on/off	
901586.002.76	D 495, H 6, HE 40-59	830	3450	30	115	88	DALI	
901586.002.1	D 495, H 6, HE 40-59	840	3550	30	119	88	on/off	
901586.002.1.76	D 495, H 6, HE 40-59	840	3550	30	119	88	DALI	
Tunable White - 2700 K to 6500 K								
901669.002.76	D 495, H 6, HE 35-55	827-865	2900	30	97	88	DALI	
901669.002.730	D 495, H 6, HE 55-75	827-865	2900	30	97	88	smart+free	











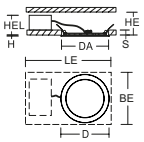




Accessories: Page 364

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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed downlights | TOLEDO FLAT round - movement sensor DALI/BT



Type of protection: IP 20, **IP 54** on room side
Protection class: I
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA). Ceiling installation with spring system. Mounting depth depends on ceiling strength. Including separate LED converter with connecting cable 250 mm.

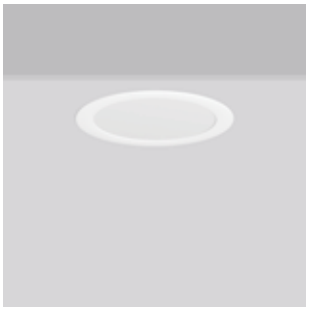
Available colour: 2 = white

Function parameters: HF motion detector Bluetooth® DALI

- HF detector 5.8 GHz
- Holding time: 5 sec. - 60 min., adjustable in 13 steps
- Detection angle 120°
- Range: up to 8 m; adjustable in 10% steps.
- Factory setting: holding time 30 seconds, range approx. 6 m, dim level 30%.
- Dim functions: Soft Start, Corridor, Permanent
- Additional functions: create profiles and groups, networking the sensors
- Functions adjustable via MICAS Autolight app on tablet or smartphone
- Master-master via Bluetooth® mesh and master-slave wired
- Master-slave: up to three additional Toledo Flat DALI 17 W can be connected
- Brightness sensor without function.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights with connected movement sensor adjustable with app via Bluetooth®-DAL							**Price Category 21**
Ceiling cut out DA 234 mm							
901715.002.19	D 255, H 3, HE 55-76	830	1650	17	98	110	smart+free
901715.002.1.19	D 255, H 3, HE 55-76	840	1800	17	106	109	smart+free

Not suitable for metal ceilings.





Comparison
LED vs. conventional lamps

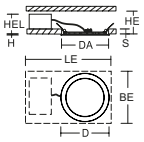
LED 17 W ≈
1 x 32 W TC-TEL (36 W Psys)

Download on the App Store

GET IT ON Google Play

MICAS Autolight App download now!

Recessed downlights | TOLEDO FLAT round - movement sensor EASY



Type of protection: IP 20, **IP 54** on room side
Protection class: I
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA). Ceiling installation with spring system. Mounting depth depends on ceiling strength. Including separate LED converter with connecting cable 250 mm.

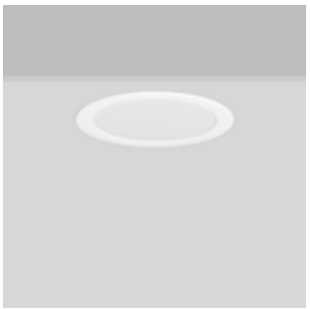
Available colour: 2 = white

Function parameters: HF motion detector EASY

- HF detector 5.8 GHz
- Holding time: 10 sec. - 20 min., adjustable in 7 steps.
- Detection angle 120°
- Range: up to 8 m; adjustable in 5 steps.
- Factory setting: holding time 15 minutes, range approx. 6 m.
- Adjustable in control gear box
- Master-slave: up to three additional Toledo Flat on/off 17 W can be connected
- Brightness sensor without function.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights with connected movement sensor EASY adjustable with buttons							**Price Category 21**
Ceiling cut out DA 234 mm							
901453.002.19	D 255, H 3, HE 55-76	830	1650	17	98	110	on/off
901453.002.1.19	D 255, H 3, HE 55-76	840	1800	17	106	109	on/off

Not suitable for metal ceilings.





Comparison
LED vs. conventional lamps

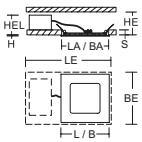
LED 17 W ≈
1 x 32 W TC-TEL (36 W Psys)



Accessories: Page 364



Recessed downlights | TOLEDO FLAT square



Type of protection: IP 20, **IP 54** on room side
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA). Ceiling installation with spring system. Mounting depth depends on ceiling strength. Including separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control	
Recessed downlights								**Price Category 21**
Diffuser: plastic, opal								
Ceiling cut out LA 96 x BA 96 mm								
901485.002	L 110, B 110, H 3, HE 27-56	830	420	5	84	107	on/off	✓
901485.002.76	L 110, B 110, H 3, HE 31-56	830	420	5	84	107	DALI	
901485.002.1	L 110, B 110, H 3, HE 27-56	840	430	5	86	107	on/off	✓
901485.002.1.76	L 110, B 110, H 3, HE 31-56	840	430	5	86	107	DALI	
Ceiling cut out LA 156 x BA 156 mm								
901486.002	L 172, B 172, H 3, HE 28-56	830	770	8	97	108	on/off	✓
901486.002.76	L 172, B 172, H 3, HE 31-56	830	770	8	97	108	DALI	
901486.002.1	L 172, B 172, H 3, HE 28-56	840	800	8	100	108	on/off	✓
901486.002.1.76	L 172, B 172, H 3, HE 31-56	840	800	8	100	108	DALI	
Ceiling cut out LA 208 x BA 208 mm								
901487.002	L 225, B 225, H 3, HE 29-56	830	1650	17	98	108	on/off	✓
901487.002.76	L 225, B 225, H 3, HE 31-56	830	1650	17	98	108	DALI	
901487.002.1	L 225, B 225, H 3, HE 29-56	840	1800	17	106	108	on/off	✓
901487.002.1.76	L 225, B 225, H 3, HE 31-56	840	1800	17	106	108	DALI	
Tunable White - 2700 K to 6500 K								
901670.002.76	L 225, B 225, H 3, HE 29-56	827-865	1600	19	87	108	DALI	
901670.002.730	L 225, B 225, H 3, HE 55-75	827-865	1600	19	87	108	smart+free	
Ceiling cut out LA 280 x BA 280 mm								
901488.002	L 300, B 300, H 3, HE 31-56	830	2150	21	103	108	on/off	✓
901488.002.76	L 300, B 300, H 3, HE 31-56	830	2150	21	103	108	DALI	
901488.002.1 .Q	L 300, B 300, H 3, HE 31-56	840	2250	21	108	108	on/off	✓
901488.002.1.76	L 300, B 300, H 3, HE 31-56	840	2250	21	108	108	DALI	
Tunable White - 2700 K to 6500 K								
901671.002.76	L 300, B 300, H 3, HE 31-56	827-865	2400	24	100	108	DALI	
901671.002.730	L 300, B 300, H 3, HE 55-75	827-865	2400	24	100	108	smart+free	

Comparison
LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W Psys)

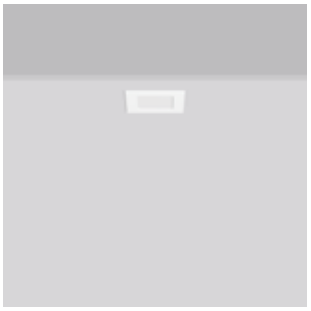
LED 8 W ≈
1 x 18 W TC-D (26 W Psys)

LED 17 / 19 W ≈
1 x 32 W TC-TEL (36 W Psys)

LED 21 / 24 W ≈
2 x 26 W TC-D (68 W Psys)

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page11.







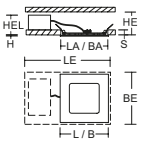




Accessories:
Page 365

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Recessed downlights | TOLEDO FLAT square - movement sensor DALI/BT



Type of protection: IP 20, **IP 54** on room side
Protection class: I
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA).
Ceiling installation with spring system. Mounting depth depends on ceiling strength.
Including separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Function parameters: HF motion detector Bluetooth®-DALI

- HF detector 5.8 GHz
- Holding time: 5 sec. - 60 min., adjustable in 13 steps
- Detection angle 120°
- Range: up to 8 m; adjustable in 10% steps.
- Factory setting: holding time 30 seconds, range approx. 6 m, dim level 30%.
- Dim functions: Soft Start, Corridor, Permanent
- Additional functions: create profiles and groups, networking the sensors
- Master-slave: up to three additional Toledo Flat DALI 17 W can be connected
- Brightness sensor without function.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights with connected movement sensor adjustable with app via Bluetooth®-DALI							**Price Category 21**
Ceiling cut out LA 208 x BA 208 mm							
901716.002.19	L 225, B 225, H 3, HE 55-76	830	1650	17	98	108	smart+free
901716.002.1.19	L 225, B 225, H 3, HE 55-76	840	1800	17	106	108	smart+free

Not suitable for metal ceilings.





Comparison
LED vs. conventional lamps

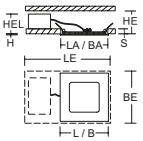
LED 17 W ≈
1 x 32 W TC-TEL (36 W Psys)

Download on the App Store

GET IT ON Google Play

MICAS Autolight App
download now!

Recessed downlights | TOLEDO FLAT square - movement sensor EASY



Type of protection: IP 20, **IP 54** on room side
Protection class: I
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA).
Ceiling installation with spring system. Mounting depth depends on ceiling strength.
Including separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Function parameters: HF motion detector EASY

- HF detector 5.8 GHz
- Holding time: 10 sec. - 20 min., adjustable in 7 steps.
- Detection angle 120°
- Range: up to 8 m; adjustable in 5 steps.
- Factory setting: holding time 15 minutes, range approx. 6 m.
- Master-slave: up to three additional Toledo Flat on/off 17 W can be connected
- Brightness sensor without function.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed downlights with connected movement sensor EASY adjustable with buttons							**Price Category 21**
Ceiling cut out LA 208 x BA 208 mm							
901487.002.19	L 225, B 225, H 3, HE 55-76	830	1650	17	98	108	on/off
901487.002.1.19	L 225, B 225, H 3, HE 55-76	840	1800	17	106	108	on/off

Not suitable for metal ceilings.





Comparison
LED vs. conventional lamps

LED 17 W ≈
1 x 32 W TC-TEL (36 W Psys)



Accessories:
Page 365



Accessories | TOLEDO FLAT round



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.	



Insert frames for modular grid ceilings			Price Category 21
982182.002	L 595, B 595, H 36	Insert frames for modular grid ceilings 600, for Toledo Flat Round D 495	
982183.002	L 622, B 622, H 36	Insert frames for modular grid ceilings 625, for Toledo Flat Round D 495	

Accessories | Surface mounted housing
Ceiling frame and mounting plate galvanised metal. Cylinder housing sheet steel, powder coated. Downlight can be locked without tools.

Surface mounted housing			Price Category 21
982072.002*	D 150, H 55	Surface mounted housing for downlight D 148	
982073.002	D 192, H 55	Surface mounted housing for downlight 190	
982074.002**	D 257, H 60	Surface mounted housing for downlight D 255	
982119.002	D 319, H 60	Surface mounted housing for downlight D 317	
982181.002	D 500, H 57	Surface mounted housing for downlight D 495	

* not suitable for DALI version | ** not suitable for version with motion detector

Accessories | Anti-Glow-Module
Prevents the generally rarely occurring afterglow with DALI luminaires in the state switched off via DALI in connection with disproportionate grounding concepts. The Anti-Glow module is connected between the converter and the luminaire housing.

Anti-Glow Module			Price Category 21
983000.002	L 40, B 25, H 15	2 pole, cable length 250 mm.	



Compensating rings available for various ceiling cut outs!

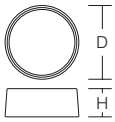


without diffuser



with diffuser

Accessories | Chintz decorative element TOLEDO FLAT round



Fabric shade with classic chintz fabric. Can be retrofitted without tools to the recessed downlight. Various fabric colors available.

Color code must be specified in the order.

Available colour (Y): Color code overview see page 317

Please be aware of possible increased freight charges for deliveries outside of Germany.

Chintz lampshades			Price Category 21
982319.Y	D 153, H 60	Chintz decorative cylinder for TOLEDO FLAT round D 148	
982320.Y	D 195, H 60	Chintz decorative cylinder for TOLEDO FLAT round D 190	
982321.Y	D 260, H 60	Chintz decorative cylinder for TOLEDO FLAT round D 255	
982322.Y	D 322, H 60	Chintz decorative cylinder for TOLEDO FLAT round D 317	
982323.Y	D 500, H 60	Chintz decorative cylinder for TOLEDO FLAT round D 495	

Cannot be fitted with surface mount housing

Satin finish plastic diffuser (optional)			Price Category 21
Can be installed on the decorative element without any tools			
982324.002	D 151, H 4	Accessories for chintz decorative cylinder D 153	
982325.002	D 193, H 4	Accessories for chintz decorative cylinder D 195	
982326.002	D 258, H 4	Accessories for chintz decorative cylinder D 260	
982327.002	D 320, H 4	Accessories for chintz decorative cylinder D 322	
982328.002	D 498, H 4	Accessories for chintz decorative cylinder D 500	



Colour chart Chintz lampshades			Price Category 21
W06630	L 150, B 65, H 40	Chintz lampshades are available in more than 50 different colours.	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Accessories | TOLEDO FLAT square



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.



Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm^2 or 3 x 2.5 mm^2 possible.	

Accessories | Surface mounted housing
Surface mounted housing: sheet steel, powder coated. Downlight can be locked without tools.

Surface mounted housing			Price Category 21
982138.002*	L 110, B 110, H 55	Surface mounted housing for downlight 110 x 110	
982139.002	L 172, B 172, H 55	Surface mounted housing for downlight 172 x 172	
982140.002**	L 225, B 225, H 55	Surface mounted housing for downlight 225 x 225	
982141.002	L 300, B 300, H 55	Surface mounted housing for downlight 300 x 300	

* not suitable for DALI version | ** not suitable for version with motion detector

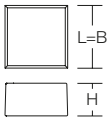
Accessories | Anti-Glow-Module
Prevents the generally rarely occurring afterglow with DALI luminaires in the state switched off via DALI in connection with disproportionate grounding concepts. The Anti-Glow module is connected between the converter and the luminaire housing.

Anti-Glow Module			Price Category 21
983000.002	L 40, B 25, H 15	2 pole, cable length 250 mm.	



Compensating rings available for various ceiling cut outs!

Accessories | Chintz decorative element TOLEDO FLAT square

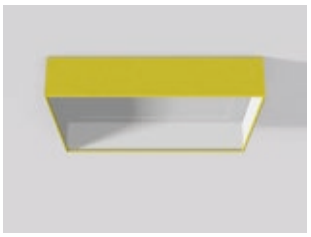


Fabric shade with classic chintz fabric. Can be retrofitted without tools to the recessed downlight. Various fabric colors available.

Color code must be specified in the order.

Available colour (Y): Color code overview see page 317

Please be aware of possible increased freight charges for deliveries outside of Germany.



without diffuser

Chintz lampshades			Price Category 21
982501.Y	L 115, B 115, H 60	Chintz decorative element for TOLEDO FLAT square 110 x 110	
982502.Y	L 177, B 177, H 60	Chintz decorative element for TOLEDO FLAT square 172 x 172	
982503.Y	L 230, B 230, H 60	Chintz decorative element for TOLEDO FLAT square 225 x 225	
982504.Y	L 305, B 305, H 60	Chintz decorative element for TOLEDO FLAT square 300 x 300	

Cannot be fitted with surface mount housing



with diffuser

Satin finish plastic diffuser (optional)			Price Category 21
Can be installed on the decorative element without any tools			
982505.002	L 113, B 113, H 4	Accessories for chintz decor cube 115 x 115	
982506.002	L 175, B 175, H 4	Accessories for chintz decor cube 177 x 177	
982507.002	L 228, B 228, H 4	Accessories for chintz decor cube 230 x 230	
982508.002	L 303, B 303, H 4	Accessories for chintz decor cube 305 x 305	

Colour chart Chintz lampshades			Price Category 21
W06630	L 150, B 65, H 40	Chintz lampshades are available in more than 50 different colours.	





Other variants and the colour chart with more than 50 colors see chapter of fabric lampshade luminaires

TOLEDO FLAT PRO

Everything at a glance

Diffuser made of resistant polycarbonate (PC) with smooth surface on room side for low dirt sensitivity to prevent the settling of germs and bacteria.

Easy cleaning with resistance to detergents/ disinfectants.



Suitable for ceiling thicknesses of 1-20 mm.

Tunable White

HCL ready

Tunable white versions, dynamically adjustable from 2700 K to 6500 K with CRI >90.

Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.

IP 54

High type of protection (room side).

COI compliant

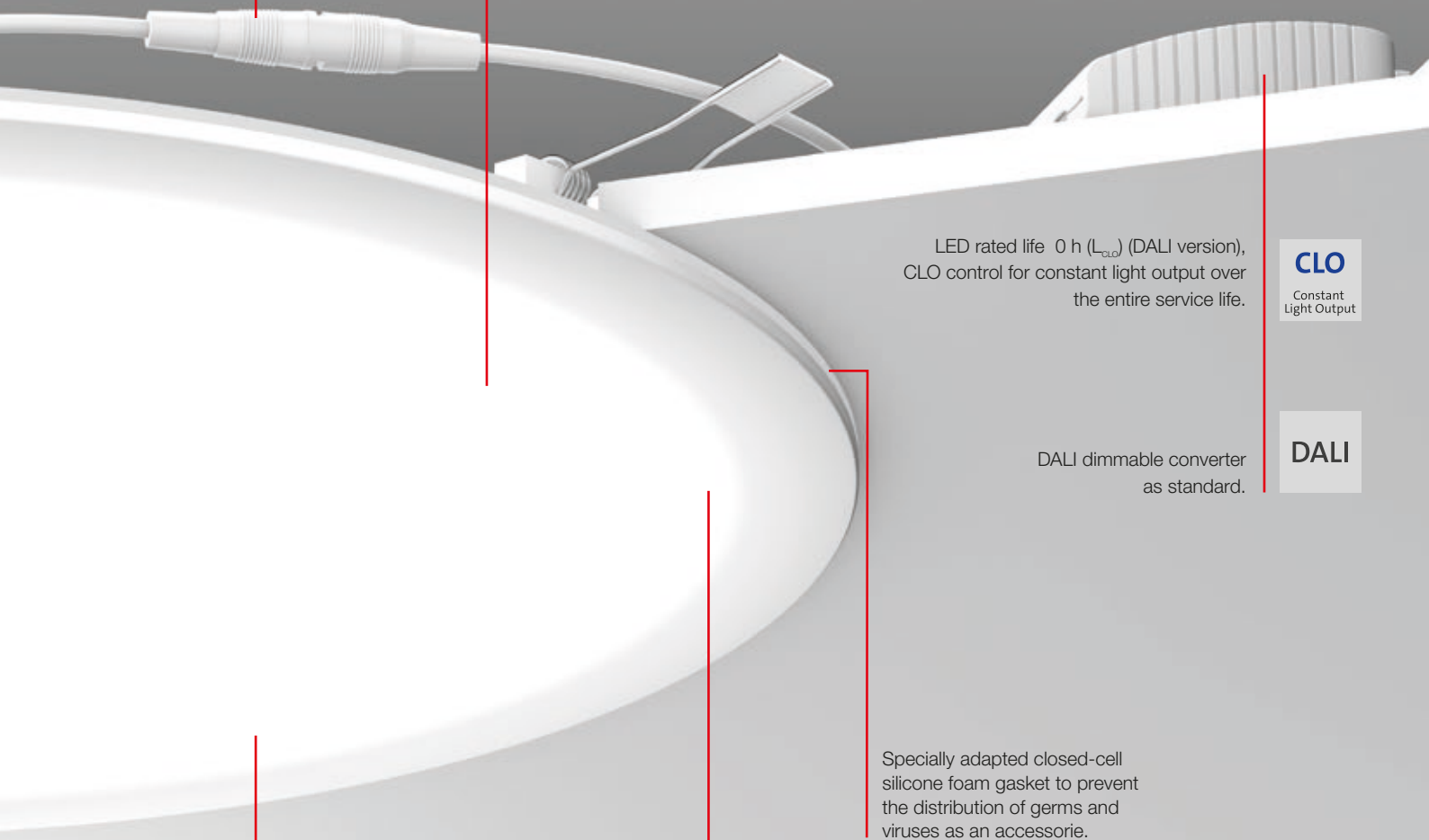
The Cyanosis Observation Index (COI) describes the quality of the light spectrum of a luminaire for suitability for medical applications. Luminaires with a standardised COI of less than 3.3 are particularly suitable for reliable detection of cyanosis. Cyanosis is a bluish discolouration of the skin or the mucosa caused by a decrease in arterial oxygen saturation. This can be a symptom of dangerous disorders of the human organism. For an initial early visual diagnosis, the quality of light is crucial.
The Toledo Flat PRO with light colour 940 has a COI of 2.94 and is therefore ideal for such applications.

Plug & Play

Very easy plug-in installation (Quick connector).

UGR ≤ 19

Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with DIN EN 12464-1.



LED rated life 0 h (L_{CLO}) (DALI version), CLO control for constant light output over the entire service life.

CLO Constant Light Output

DALI dimmable converter as standard.

DALI

Specially adapted closed-cell silicone foam gasket to prevent the distribution of germs and viruses as an accessorie.

Casambi smart+ free

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

CRI >90

Particularly suitable for the requirements of treatment rooms in healthcare facilities, in accordance with EN 12464 (UGR≤19, CRI >90).



Tunable White | HCL ready | UGR ≤ 19 | CRI >90 | COI compliant | DALI | Casambi smart+ free | CLO Constant Light Output | Plug & Play | IP 54

TOLEDO FLAT PRO

Recessed downlights

ARCHITECTURE

- **Versatile:** Ultra-flat round downlight suitable for recessed or surface installation.
- **Protected:** High protection type IP 54 on the room side.
- **Robust:** Diffuser made from resistant polycarbonate (PC) with smooth surface on room side.
- **Applicable:** Treatment rooms in health centres, locations with stringent hygienic requirements.
- **Smart Lighting:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.

LIGHTING DESIGN

- **Anti-glare:** Satinised microprismatic diffuser prevents direct glare.
- **Advantageous:** Model with light colour 940 suitable for medical applications in accordance with the Cyanosis Observation Index (COI <3.3).
- **Complies with regulations:** Particularly suitable for the requirements of treatment rooms in healthcare facilities, in accordance with EN 12464 (UGR ≤19, CRI >90).
- **Reliable planning:** LED rated life 80000 h, CLO controlled for constant light output throughout the entire service life.
- **Dynamic:** Tunable white dynamically adjustable from 2700 K to 6500 K.

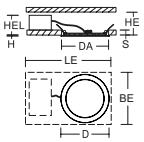
INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Easy installation with Plug & Play plug connection.
- **Standard:** Suitable for through-wiring.
- **Clean:** Easy cleaning if resistant to cleaning agents / disinfectants.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.
- **Accessories:** Specially customized closed-cell silicone foam sealant to prevent the spread of germs and viruses. Surface-mounted housing and insert frames for modular grid ceilings 600 and 625.

Further luminaires of this series, see:
Indoor lighting | Surface mounted downlights

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed downlights | TOLEDO FLAT PRO





Type of protection: IP 20, **IP 54** on room side
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: die-cast aluminium. Diffuser made from resistant polycarbonate (PC), with smooth surface on room side. Ceiling installation with spring system. Mounting depth depends on ceiling strength. Including separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights								**Price Category 21**
Diffuser made of smooth, satin finish microprismatic polycarbonate								
Ceiling cut out DA 470 mm								
901719.002.76	D 495, H 6, HE 35-55	930	2650	26	102	81	18,3	DALI
901719.002.1.76 *	D 495, H 6, HE 35-55	940	2800	26	108	81	18,5	DALI
Tunable White - 2700 K to 6500 K								
901719.002.2.76	D 495, H 6, HE 40-59	927-965	2700	30	90	81	18,2...18,5	DALI
901719.002.2.730	D 495, H 6, HE 55-75	927-965	2700	30	90	81	18,2...18,5	smart+free

* Qualified for medical applications according to Cyanosis Observation Index (COI <3.3).

Comparison
LED vs. conventional lamps

LED 26 / 30 W ≈
1 x 57 W TC-TEL (59 W Psys)
2 x 26 W TC-D (68 W Psys)

Accessories | Surface mounted housing
Ceiling frame and mounting plate galvanised metal. Cylinder housing sheet steel, powder coated. Downlight can be locked without tools.

Surface mounted housing			Price Category 21
982181.002	D 500, H 57	Surface mounted housing for downlight D 495	



Insert frames for modular grid ceilings			Price Category 21
982182.002	L 595, B 595, H 36	Insert frames for modular grid ceilings 600, for downlight D 495	
982183.002	L 622, B 622, H 36	Insert frames for modular grid ceilings 625, for downlight D 495	

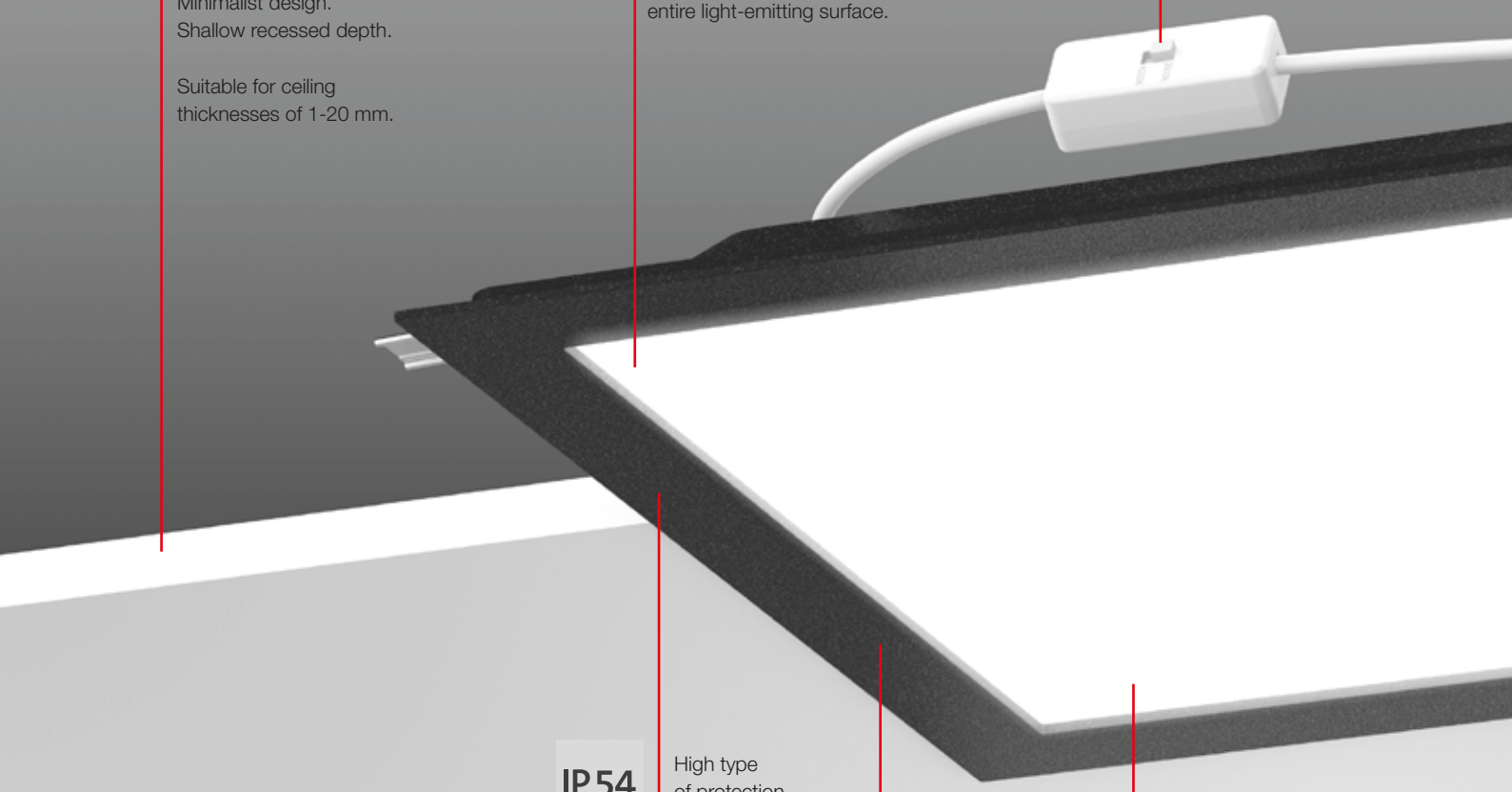
Silicone foam seal			Price Category 21
982799.002	D 495, H 3	Specially customized closed-cell silicone foam sealant to prevent the spread of germs and viruses.	



Compensating rings available for various ceiling cut outs!

TOLEDO FLAT+

Everything at a glance



MultiColour

MultiColour version:
Colour temperature individually adjustable either 3000 K or 4000 K.

LED backlight technology for homogeneous illumination of the entire light-emitting surface.

Minimalist design.
Shallow recessed depth.

Suitable for ceiling thicknesses of 1-20 mm.

IP 54

High type of protection (room side).

Colour tolerance within 3-steps MacAdam (3 SDCM).

Master-Slave

HF motion detector EASY for direct setting of the sensor via buttons, also with master-slave wiring option.

Casambi smart+ free

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Plug & Play

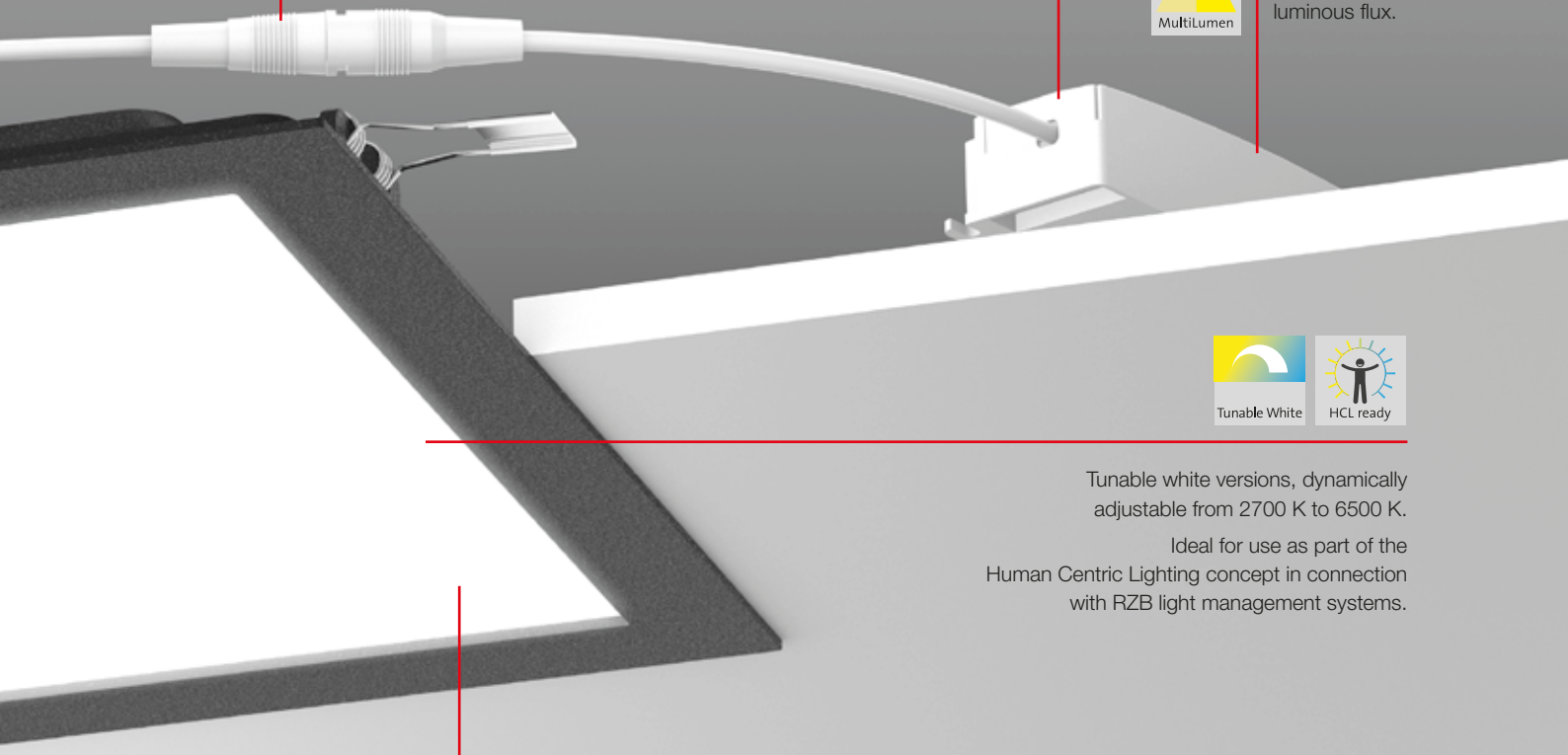
Very easy plug-in installation (Quick connector).

DALI

DALI variants suitable for through wiring as standard.

MultiLumen

MultiLumen version: 4-step adjustable luminous flux.



Tunable White

HCL ready

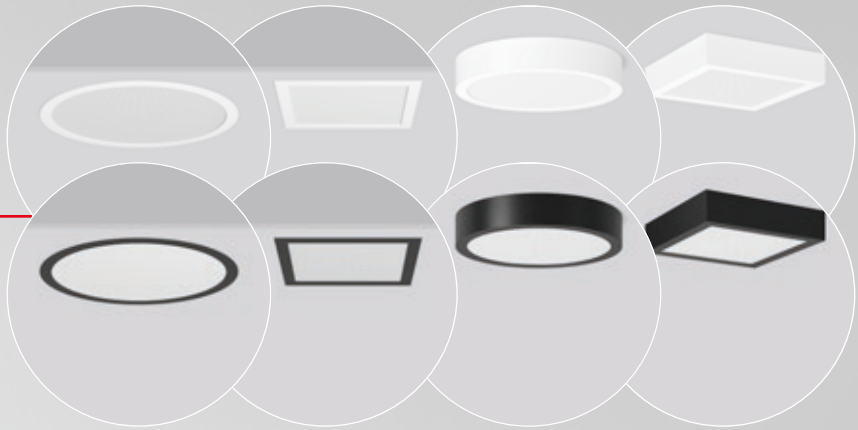
Tunable white versions, dynamically adjustable from 2700 K to 6500 K.

Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.

Diffuser made of **non-yellowing** plastic **PMMA** opal or microprismatic.

UGR ≤ 19

Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with DIN EN 12464-1.



Flexible recessed/surface-mounted downlights, round and square versions. Available in the colours white and anthracite.



Tunable White | HCL ready | UGR ≤ 19 | MultiColour | MultiLumen | DALI | Casambi smart+ free | Master-Slave | Plug & Play | IP 54

TOLEDO FLAT+

Recessed downlights

ARCHITECTURE

- **Versatile:** Flexible recessed multifunction downlights, round and square versions.
- **Design-oriented:** Minimalist design. Shallow recessed depth.
- **Protected:** High protection type IP 54 on the room side.
- **Individual:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Applicable:** Corridors, side rooms, hotels, restaurants, conference rooms, private rooms.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Homogenous:** Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic.
- **Standard:** MultiLumen - 4-step adjustable luminous flux.
- **Flexible:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.
- **Dynamic:** Tunable white dynamically adjustable from 2700 K to 6500 K.
- **Efficient:** Versions with movement sensor.

INSTALLATION

- **Easy installation:** Simple mounting spring system for installation without tools.
- **Straightforward:** Easy installation with Plug & Play plug connection.
- **Advantageous:** DALI variants suitable for through wiring as standard.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.
- **Expandable:** Surface mounted housing as accessory for all sizes.

Further luminaires of this series, see:
Indoor lighting | Surface mounted downlights

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



The application image shows:
TOLEDO FLAT+
CYLIO

© Linus Lintner



Comparison
LED vs. conventional lamps

LED 4,5 W ≈
1 x 13 W TC-D (19 W Psys)

LED 9,5 / 10 W ≈
1 x 26 W TC-D (34 W Psys)

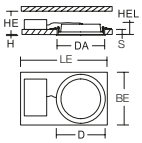
LED 12 W ≈
2 x 18 W TC-D (52 W Psys)

LED 17 / 18 W ≈
2 x 26 W TC-D (68 W Psys)

LED 22 / 26 W ≈
3 x 26 W TC-D (102 W Psys)

LED 33 W ≈
4 x 26 W TC-D (136 W Psys)

Recessed downlights | TOLEDO FLAT+ round



Type of protection: IP 20, **IP 54** on room side
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Ceiling installation with spring system. Including separate LED converter with connecting cable 250 mm. DALI variants suitable for through wiring as standard.

Available colours (X): 2 = white, 31 = anthracite

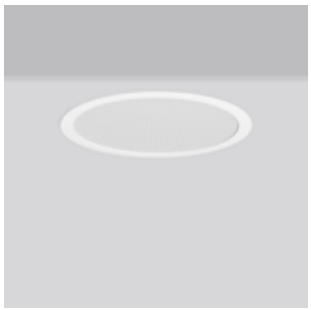
MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.

MultiLumen: Luminous flux variable in 4 steps. Factory setting is step 2.

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

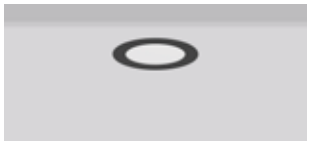
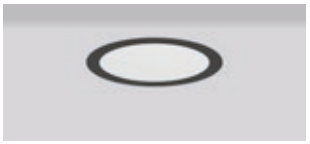
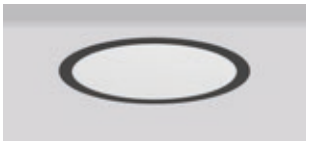
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights								**Price Category 21**
Diffuser: plastic, opal								
Ceiling cut out DA 152 mm								
901807.00X	D 165, H 2	830, 840	570...1150	4,5...9,5	127	112	26,2...28,7	on/off
901807.00X.76	D 165, H 2	830, 840	570...1150	4,5...9,5	127	112	26,2...28,7	DALI
Tunable White - 2700 K to 6500 K								
901807.00X.2.76	D 165, H 2	827-865	860	10	89	113	27,9...28	DALI
901807.00X.2.730	D 165, H 2	827-865	860	10	89	113	27,9...28	smart+free
Ceiling cut out DA 257 mm								
901808.00X	D 270, H 2	830, 840	1650...3150	12...22	147	112	25,6...27,8	on/off
901808.00X.76	D 270, H 2	830, 840	1650...3150	12...22	147	112	25,6...27,8	DALI
Tunable White - 2700 K to 6500 K								
901808.00X.2.76	D 270, H 2	827-865	2200	18	128	113	26,7...26,8	DALI
901808.00X.2.730	D 270, H 2	827-865	2200	18	128	113	26,7...26,8	smart+free
Ceiling cut out DA 377 mm								
901810.00X	D 390, H 2	830, 840	1550...2950	12...22	137	113	22,4...24,7	on/off
901810.00X.76	D 390, H 2	830, 840	1550...2950	12...22	137	113	22,4...24,7	DALI
Tunable White - 2700 K to 6500 K								
901810.00X.2.76	D 390, H 2	827-865	1950	17	121	113	23,3...23,5	DALI
901810.00X.2.730	D 390, H 2	827-865	1950	17	121	113	23,3...23,5	smart+free
Ceiling cut out DA 457 mm								
901812.00X	D 470, H 2	830, 840	3050...4450	22...33	139	113	23,3...24,6	on/off
901812.00X.76	D 470, H 2	830, 840	3050...4450	22...33	139	113	23,3...24,6	DALI
Tunable White - 2700 K to 6500 K								
901812.00X.2.76	D 470, H 2	827-865	3150	26	127	113	23,5...23,7	DALI
901812.00X.2.730	D 470, H 2	827-865	3150	26	127	113	23,5...23,7	smart+free
Diffuser plastic microprismatic								
Ceiling cut out DA 257 mm								
901809.00X	D 270, H 2	830, 840	1450...2800	12...22	130	89	21,7...24	on/off
901809.00X.76	D 270, H 2	830, 840	1450...2800	12...22	130	89	21,7...24	DALI
Tunable White - 2700 K to 6500 K								
901809.00X.2.76	D 270, H 2	827-865	2000	18	117	90	22,8...23	DALI
901809.00X.2.730	D 270, H 2	827-865	2000	18	117	90	22,8...23	smart+free
Ceiling cut out DA 377 mm								
901811.00X	D 390, H 2	830, 840	1350...2550	12...22	120	78	17,7...19,9	on/off
901811.00X.76	D 390, H 2	830, 840	1350...2550	12...22	120	78	17,7...19,9	DALI
Tunable White - 2700 K to 6500 K								
901811.00X.2.76	D 390, H 2	827-865	1750	17	106	78	18,6...18,7	DALI
901811.00X.2.730	D 390, H 2	827-865	1750	17	106	78	18,6...18,7	smart+free
Ceiling cut out DA 457 mm								
901813.00X	D 470, H 2	830, 840	2600...3800	22...33	118	78	18,5...19,8	on/off
901813.00X.76	D 470, H 2	830, 840	2600...3800	22...33	118	78	18,5...19,8	DALI
Tunable White - 2700 K to 6500 K								
901813.00X.2.76	D 470, H 2	827-865	2750	26	112	78	18,6...18,8	DALI
901813.00X.2.730	D 470, H 2	827-865	2750	26	112	78	18,6...18,8	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



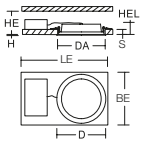


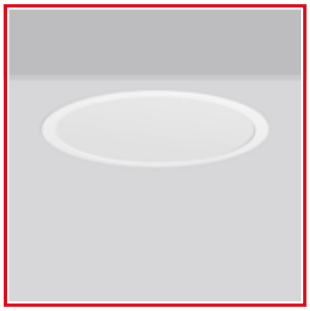



Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed downlights | TOLEDO FLAT+ round - movement sensor EASY





Type of protection: IP 20, **IP 54** on room side
Protection class: I, II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Ceiling installation with spring system. Including separate LED converter with connecting cable 250 mm. DALI variants suitable for through wiring as standard.

Available colours (X): 2 = white, 31 = anthracite

MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.

MultiLumen: Luminous flux variable in 4 steps. Factory setting is step 2.

Function parameters: HF motion detector EASY

- HF detector 5.8 GHz.
- Holding time: 5 sec. - 15 min., adjustable in 4 steps.
- Detection angle 30°-150°.
- Range: up to 10 m; adjustable in 4 steps.
- Adjustable in control gear box.

Comparison LED vs. conventional lamps

LED 4,5 W ≈
1 x 13 W TC-D (19 W Psys)

LED 9,5 W ≈
1 x 26 W TC-D (34 W Psys)

LED 12 W ≈
2 x 18 W TC-D (52 W Psys)

LED 22 W ≈
2 x 26 W TC-D (68 W Psys)

LED 33 W ≈
3 x 26 W TC-D (102 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights with connected movement sensor								**Price Category 21**
Diffuser: plastic, opal								
Ceiling cut out DA 152 mm								
901807.00X.19	D 165, H 2	830, 840	570...1150	4,5...9,5	127	112	26,2...28,7	on/off
Ceiling cut out DA 257 mm								
901808.00X.19	D 270, H 2	830, 840	1650...3150	12...22	147	112	25,6...27,8	on/off
Ceiling cut out DA 377 mm								
901810.00X.19	D 390, H 2	830, 840	1550...2950	12...22	137	113	22,4...24,7	on/off
Ceiling cut out DA 457 mm								
901812.00X.19	D 470, H 2	830, 840	3050...4450	22...33	139	113	23,3...24,6	on/off
Diffuser plastic microprismatic								
Ceiling cut out DA 257 mm								
901809.00X.19	D 270, H 2	830, 840	1450...2800	12...22	130	89	21,7...24	on/off
Ceiling cut out DA 377 mm								
901811.00X.19	D 390, H 2	830, 840	1350...2550	12...22	120	78	17,7...19,9	on/off
Ceiling cut out DA 457 mm								
901813.00X.19	D 470, H 2	830, 840	2600...3800	22...33	118	78	18,5...19,8	on/off

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Not suitable for metal ceilings.

Accessories | TOLEDO FLAT+ round

Accessories | Surface mounted housing TOLEDO FLAT+
Surface mounted housing: sheet steel, powder coated. Downlight can be locked without tools. Not suitable for version with motion detector.



Surface mounted housing			Price Category 21
982917.00X *	D 165, H 68	Surface mounted housing TOLEDO FLAT+ round D 165	
982918.00X	D 270, H 68	Surface mounted housing TOLEDO FLAT+ round D 270	
982919.00X	D 390, H 68	Surface mounted housing TOLEDO FLAT+ round D 390	
982920.00X	D 470, H 68	Surface mounted housing TOLEDO FLAT+ round D 470	

* not suitable for Tunable White versions



Insert frames for modular grid ceilings			Price Category 21
982924.00X	L 595, B 595, H 36	Insert frames for modular grid ceilings 600, for TOLEDO FLAT+ round D 470	
982925.00X	L 622, B 622, H 36	Insert frames for modular grid ceilings 625, for TOLEDO FLAT+ round D 470	

Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.



Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.	

Only required for on/off



Compensating rings available for various ceiling cut outs!



Comparison
LED vs. conventional lamps

LED 4,5 W ≈
1 x 13 W TC-D (19 W Psys)

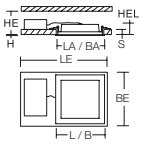
LED 8 / 9,5 / 10 W ≈
1 x 26 W TC-D (34 W Psys)

LED 12 / 15 W ≈
2 x 18 W TC-D (52 W Psys)

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

LED 23 W ≈
3 x 26 W TC-D (102 W Psys)

Recessed downlights | TOLEDO FLAT+ square



Type of protection: IP 20, **IP 54** on room side
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Ceiling installation with spring system. Including separate LED converter with connecting cable 250 mm. DALI variants suitable for through wiring as standard.

Available colours (X): 2 = white, 31 = anthracite

MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.

MultiLumen: Luminous flux variable in 4 steps. Factory setting is step 2.

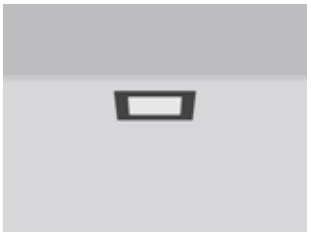
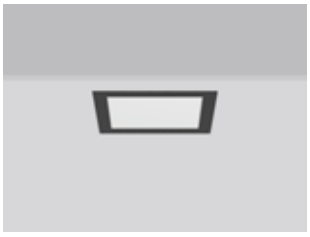
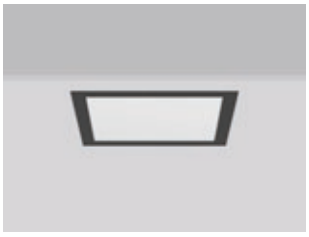
Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights								**Price Category 21**
Diffuser: plastic, opal								
Ceiling cut out LA 137 x BA 137 mm								
901814.00X	L 150, B 150, H 2	830, 840	570...1150	4,5...9,5	127	111	26,3...28,8	on/off
901814.00X.76	L 150, B 150, H 2	830, 840	570...1150	4,5...9,5	127	111	26,3...28,8	DALI
Tunable White - 2700 K to 6500 K								
901814.00X.2.76	L 150, B 150, H 2	827-865	920	10	96	113	28,2...28,3	DALI
901814.00X.2.730	L 150, B 150, H 2	827-865	920	10	96	113	28,2...28,3	smart+free
Ceiling cut out LA 217 x BA 217 mm								
901815.00X	L 230, B 230, H 2	830, 840	1050...2100	8...15	146	112	24,5...27	on/off
901815.00X.76	L 230, B 230, H 2	830, 840	1050...2100	8...15	146	112	24,5...27	DALI
Tunable White - 2700 K to 6500 K								
901815.00X.2.76	L 230, B 230, H 2	827-865	1750	15	120	113	26,4...26,5	DALI
901815.00X.2.730	L 230, B 230, H 2	827-865	1750	15	120	113	26,4...26,5	smart+free
Ceiling cut out LA 297 x BA 297 mm								
901817.00X	L 310, B 310, H 2	830, 840	1650...3050	12...23	138	112	23,6...25,8	on/off
901817.00X.76	L 310, B 310, H 2	830, 840	1650...3050	12...23	138	112	23,6...25,8	DALI
Tunable White - 2700 K to 6500 K								
901817.00X.2.76	L 310, B 310, H 2	827-865	2250	19	124	113	24,8...24,9	DALI
901817.00X.2.730	L 310, B 310, H 2	827-865	2250	19	124	113	24,8...24,9	smart+free
Diffuser plastic microprismatic								
Ceiling cut out LA 217 x BA 217 mm								
901816.00X	L 230, B 230, H 2	830, 840	1000...1850	8...15	127	91	20,9...23,1	on/off
901816.00X.76	L 230, B 230, H 2	830, 840	1000...1850	8...15	127	91	20,9...23,1	DALI
Tunable White - 2700 K to 6500 K								
901816.00X.2.76	L 230, B 230, H 2	827-865	1550	15	107	91/91	22,5...22,6	DALI
901816.00X.2.730	L 230, B 230, H 2	827-865	1550	15	107	91/91	22,5...22,6	smart+free
Ceiling cut out LA 297 x BA 297 mm								
901818.00X	L 310, B 310, H 2	830, 840	1500...2800	12...23	125	91	19,8...22	on/off
901818.00X.76	L 310, B 310, H 2	830, 840	1500...2800	12...23	125	91	19,8...22	DALI
Tunable White - 2700 K to 6500 K								
901818.00X.2.76	L 310, B 310, H 2	827-865	2000	19	108	91/91	20,8...20,9	DALI
901818.00X.2.730	L 310, B 310, H 2	827-865	2000	19	108	91/91	20,8...20,9	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

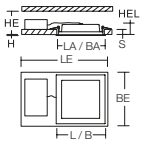




Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed downlights | TOLEDO FLAT+ square - movement sensor EASY





Type of protection: IP 20, **IP 54** on room side
Protection class: I
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Ceiling installation with spring system. Including separate LED converter with connecting cable 250 mm. DALI variants suitable for through wiring as standard.

Available colours (X): 2 = white, 31 = anthracite

MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.

MultiLumen: Luminous flux variable in 4 steps. Factory setting is step 2.

Function parameters: HF motion detector EASY

- HF detector 5.8 GHz.
- Holding time: 5 sec. - 15 min., adjustable in 4 steps.
- Detection angle 30°-150°.
- Range: up to 10 m; adjustable in 4 steps.
- Adjustable in control gear box.

Comparison LED vs. conventional lamps

LED 4,5 W ≈
1 x 13 W TC-D (19 W Psys)

LED 8 / 9,5 W ≈
1 x 26 W TC-D (34 W Psys)

LED 12 W ≈
2 x 18 W TC-D (52 W Psys)

LED 15 W ≈
2 x 26 W TC-D (68 W Psys)

LED 23 W ≈
3 x 26 W TC-D (102 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights with connected movement sensor								**Price Category 21**
Diffuser: plastic, opal								
Ceiling cut out LA 137 x BA 137 mm								
901814.00X.19	L 150, B 150, H 2	830, 840	570...1150	4,5...9,5	127	111	26,3...28,8	on/off
Ceiling cut out LA 217 x BA 217 mm								
901815.00X.19	L 230, B 230, H 2	830, 840	1050...2100	8...15	146	112	24,5...27	on/off
Ceiling cut out LA 297 x BA 297 mm								
901817.00X.19	L 310, B 310, H 2	830, 840	1650...3050	12...23	138	112	23,6...25,8	on/off
Diffuser plastic microprismatic								
Ceiling cut out LA 217 x BA 217 mm								
901816.00X.19	L 230, B 230, H 2	830, 840	1000...1850	8...15	127	91	20,9...23,1	on/off
Ceiling cut out LA 297 x BA 297 mm								
901818.00X.19	L 310, B 310, H 2	830, 840	1500...2800	12...23	125	91	19,8...22	on/off

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Not suitable for metal ceilings.

Accessories | TOLEDO FLAT+ square

Accessories | Surface mounted housing TOLEDO FLAT+
Surface mounted housing: sheet steel, powder coated. Downlight can be locked without tools. Not suitable for version with motion detector.



Surface mounted housing			Price Category 21
982921.00X *	L 150, B 150, H 68	Surface mounted housing TOLEDO FLAT+ square 150 x 150	
982922.00X	L 230, B 230, H 68	Surface mounted housing TOLEDO FLAT+ square 230 x 230	
982923.00X	L 310, B 310, H 68	Surface mounted housing TOLEDO FLAT+ square 310 x 310	

* not suitable for Tunable White versions

Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.



Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.	

Only required for on/off



Compensating rings available for various ceiling cut outs!



TRIXY

Surface mounted downlights, Recessed downlights

ARCHITECTURE

- Flat downlight for recessed or surface installation in 2 sizes and in 2 shapes.
- 3-fold multi-function: MultiColour, MultiLumen, MultiCutOut.
- The MultiCutOut function makes it particularly suitable for renovations with existing ceiling cut-outs.
- Very low installation height.
- Applications: Renovations, corridors, side rooms, hotels, restaurants, conference rooms, private rooms.

LIGHTING DESIGN

- RZB SIDELITE® technology: Lateral light injection for extremely homogeneous light distribution.
- Suitable for ceiling and wall mounting.
- Luminous efficacy up to 125 lm/W.
- Colour rendering index Ra > 80.
- Colour tolerance within 4-steps MacAdam (4 SDCM).
- LED rated life 40000 h (L70/B50).

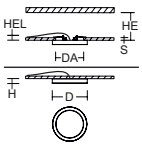
INSTALLATION

- **MultiColour:** with rear switching element, variable colour temperature 3000 K or 4000 K.
- **MultiLumen:** Luminous flux adjustable in 3 steps.
- **MultiCutOut:** With adjustable spring clamps, different round and square ceiling cut-outs can be individually adhered to.
- With integrated converter.
- Suitable for through-wiring.

For more information, see the chapter surface mounted downlights on page 404.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted downlights, Recessed downlights | TRIXY





Type of protection: IP 20
Protection class: II
Ceiling thickness S: 5-25 mm
Impact protection: IK03

Housing made of UV-resistant polycarbonate. Perfect heat management with an aluminium heat sink. Diffuser: plastic (PMMA), transparent, with opal reflector foil. Lateral light emission (RZB SIDELITE® technology) for homogeneous light distribution. Suitable for recessed mounting in ceilings and surface mounting on ceilings and walls. Driver integrated. Suitable for through-wiring.

Available colour: 2 = white

MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.

MultiLumen: Luminous flux adjustable in 3 steps. Factory setting is the highest luminous flux.

MultiCutOut: With adjustable spring clamps, different ceiling cut-outs can be individually adhered to.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface and recessed mounted downlights								**Price Category 21**
Ceiling cut out DA adjustable from 65 mm to 205 mm minimum mechanical height installed HEL 25 mm								
901717.002 .Q	D 235, H 22, HE 82	830, 840	990...1650	9...15	122	113	25,2...26,9	on/off
Ceiling cut out DA adjustable from 120 mm to 260 mm minimum mechanical height installed HEL 25 mm								
901718.002	D 300, H 25, HE 82	830, 840	1600...2600	14...22	125	113	24,8...26,5	on/off

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

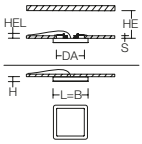
Comparison LED vs. conventional lamps

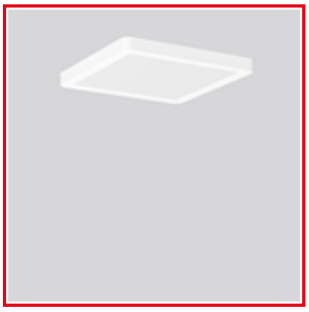
LED 9 W ≈
2 x 13 W TC-D (38 W Psys)

LED 14 / 15 W ≈
2 x 18 W TC-D (52 W Psys)

LED 22 W ≈
2 x 26 W TC-D (68 W Psys)

Surface mounted downlights, Recessed downlights | TRIXY





Type of protection: IP 20
Protection class: II
Ceiling thickness S: 5-25 mm
Impact protection: IK02

Housing made of UV-resistant polycarbonate. Perfect heat management with an aluminium heat sink. Diffuser: plastic (PMMA), transparent, with opal reflector foil. Lateral light emission (RZB SIDELITE® technology) for homogeneous light distribution. Suitable for recessed mounting in ceilings and surface mounting on ceilings and walls. Driver integrated. Suitable for through-wiring.

Available colour: 2 = white

MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.

MultiLumen: Luminous flux adjustable in 3 steps. Factory setting is the highest luminous flux.

MultiCutOut: With adjustable spring clamps, different ceiling cut-outs can be individually adhered to.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface and recessed mounted downlights								**Price Category 21**
Ceiling cut out DA adjustable from 65 mm to 205 mm minimum mechanical height installed HEL 25 mm								
901722.002	L 235, B 235, H 22, HE 82	830, 840	990...1700	9...15	117	114	24,3...26,2	on/off
Ceiling cut out DA adjustable from 120 mm to 260 mm minimum mechanical height installed HEL 25 mm								
901723.002	L 300, B 300, H 25, HE 82	830, 840	1550...2550	14...22	118	114	23,9...25,6	on/off

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 9 W ≈
2 x 13 W TC-D (38 W Psys)

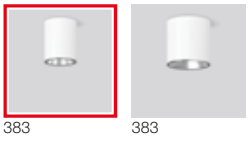
LED 14 / 15 W ≈
2 x 18 W TC-D (52 W Psys)

LED 22 W ≈
2 x 26 W TC-D (68 W Psys)



The application image shows:
TOLEDO FLAT

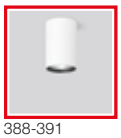
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TOLEDO FLAT+
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HEMIS
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DALI | Plug & Play | IP65 | IP66

ANDHO®

Surface mounted downlights

ARCHITECTURE

- **Versatile:** High-quality surface-mounted downlight for indoor and outdoor use.
- **Long service life:** Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Advantageous:** 2 performance levels are available.
- **Efficient:** Reflector made of super-reflective **MIRO-SILVER®** for outstanding efficiency.
- **Optimum:** LED rated life 50000 h (L80/B10).

INSTALLATION

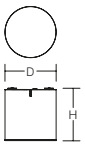
- **Easy installation:** Easy installation with a separate ceiling frame and plug connection.
- **Standard:** Membrane valve to prevent condensation.
- **Straightforward:** Suitable for through-wiring.



Further luminaires of this series, see:
Outdoor lighting | Pole luminaires
Outdoor lighting | Projectors and floodlights

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted downlights | ANDHO





Type of protection: **IP 66** (ANDHO mini), **IP 65** (ANDHO midi)
Protection class: I
Impact protection: IK06

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Cover clear single-pane toughened glass. Rotation-symmetric reflector made of reflex-boosted MIRO-SILVER®. With membrane valve as a standard to avoid condensed water. Connected via plug-in connector. 5 pole double terminal for through-wiring.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface mounted downlights - ANDHO mini								**Price Category 21**
Diameter D 114 mm								
931251.00X.2	D 114, H 147	827	1400	13	108	40	16,3	on/off
931251.00X	D 114, H 147	830	1550	13	119	40	16,6	on/off
931251.00X.1	D 114, H 147	840	1700	13	131	40	17	on/off
931251.00X.2.76	D 114, H 147	827	2800	27	104	40	18,7	DALI
931251.00X.76	D 114, H 147	830	3100	27	115	40	19	DALI
931251.00X.1.76	D 114, H 147	840	3350	27	124	40	19,3	DALI
Surface mounted downlights - ANDHO midi								**Price Category 21**
Diameter D 154 mm								
931196.00X.2	D 154, H 157	827	1800	15	120	61	17,9	on/off
931196.00X.2.76	D 154, H 157	827	1800	15	120	61	17,9	DALI
931196.00X	D 154, H 157	830	2000	15	133	63	18,7	on/off
931196.00X.76	D 154, H 157	830	2000	15	133	63	18,7	DALI
931196.00X.1	D 154, H 157	840	2100	15	140	63	18,8	on/off
931196.00X.1.76	D 154, H 157	840	2100	15	140	63	18,8	DALI
931197.00X.2	D 154, H 157	827	3650	31	118	61	20,3	on/off
931197.00X.2.76	D 154, H 157	827	3650	31	118	61	20,3	DALI
931197.00X	D 154, H 157	830	4000	31	129	63	21,1	on/off
931197.00X.76	D 154, H 157	830	4000	31	129	63	21,1	DALI
931197.00X.1	D 154, H 157	840	4150	31	134	63	21,2	on/off
931197.00X.1.76	D 154, H 157	840	4150	31	134	63	21,2	DALI

Comparison
LED vs. conventional lamps

LED 13 W ≈
1 x 20 W HIT (23 W Psys)

LED 15 W ≈
1 x 32 W TC-TEL (36 W Psys)

LED 27 W ≈
1 x 35 W HIT (43 W Psys)
1 x 42 W TC-TEL (47 W Psys)

LED 31 W ≈
1 x 50 W HIT (56 W Psys)
1 x 57 W TC-TEL (59 W Psys)

Suspension system			Price Category 21
982716.00X	D 72, H 175, LP 3000	Pendant set, 3 m with 5-pin power cable (IP 68)	
982720.00X	D 72, H 175, LP 5000	Pendant set, 5 m with 5-pin power cable (IP 68)	

Not suitable for ANDHO mini DALI versions.



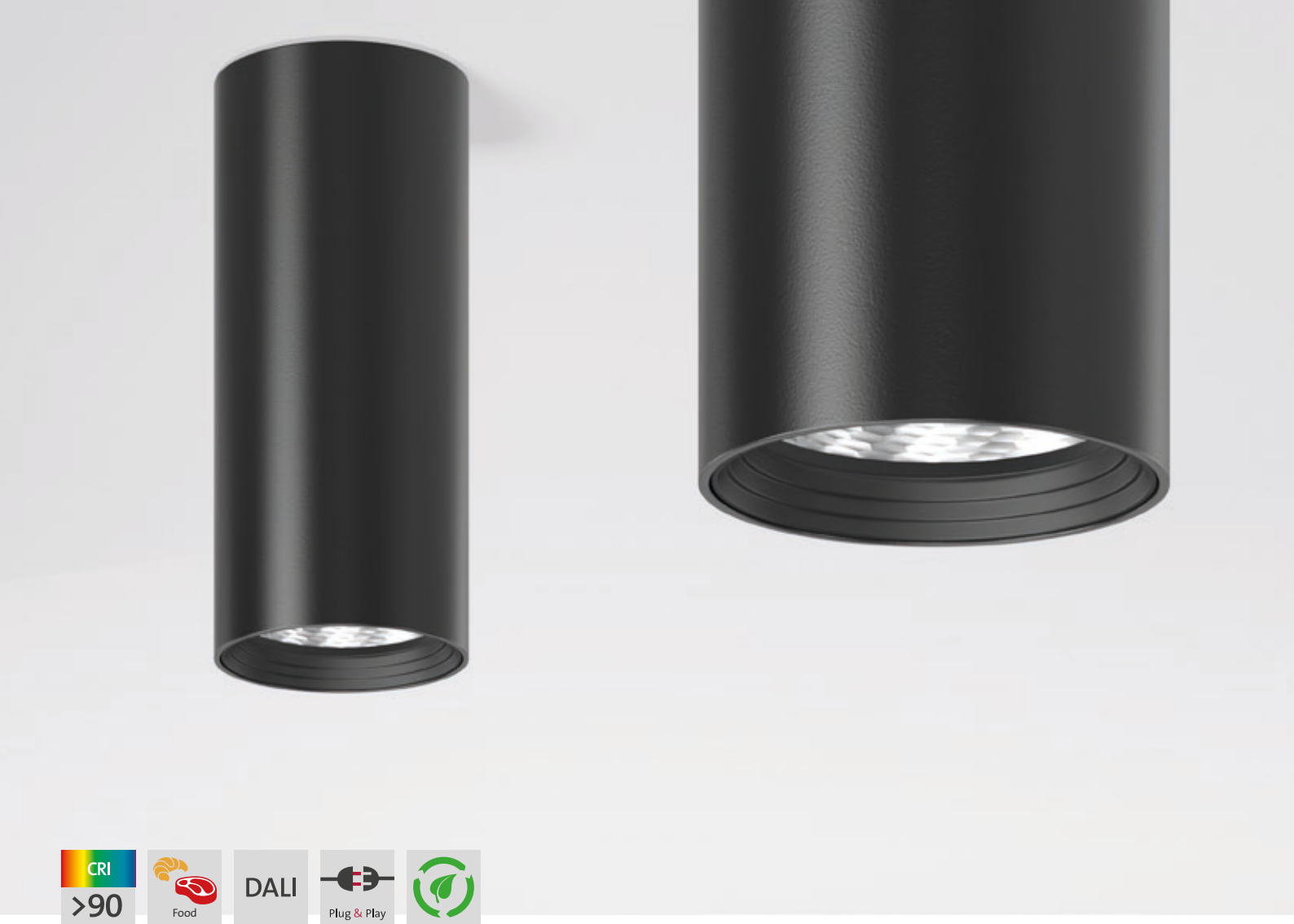
Clear reeded glass with mounting attachment			Price Category 12
982159.000	D 117, H 58	ANDHO mini. Elliptical beam angle.	
982160.000	D 159, H 58	ANDHO midi. Elliptical beam angle.	











HELEDON

Surface mounted downlights

ARCHITECTURE

- **Design-oriented:** Classic, timeless and with minimalist design.
- **Flexible:** Surface and recessed mounted downlights.
- **Versatile:** 2 sizes, 2 types of installation, 2 optical systems, 3 colours.
- **Individual:** 8 interchangeable lenses with different beam angles.
- **Long service life:** Housing made of top quality die-cast aluminium.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Variable:** MIRO-SILVER® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone.
- **Standard:** Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality.
- **Versatile:** 7 different light colors with CRI >90 and special Food-LEDs available as standard.
- **Advantageous:** LED rated life 50000 h (L90/B10).
- **Optimum:** Colour tolerance within 2-steps MacAdam (2 SDCM).

INSTALLATION

- **Easy installation:** Easy installation with a separate ceiling frame with bayonet mounting and plug connection.
- **Straightforward:** Installation could not be easier thanks to Plug & Play.
- **Extensive:** The following accessories can be mounted without use of tools: interchangeable lenses, decorative glasses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring.



Further luminaires of this series, see:
Indoor lighting | Recessed downlights

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

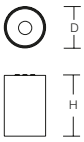


© Linus Lintner

The application image shows:
HELEDON



Surface mounted downlights | HELEDON mini - Optic reflector



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Internal ceiling frame polycarbonate with bayonet mounting. Connected via plug-in connector. Heat resistant plastic ring black. With MIRO-SILVER® reflector. Driver integrated.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Comparison
LED vs. conventional lamps

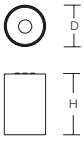
LED 20 W ≈
1 x 35 W HIT (43 W Psys)
1 x 42 W TC-TEL (47 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)
1 x 57 W TC-TEL (59 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface mounted downlights - Reflector spot								**Price Category 21**
931200.00X	D 87, H 197	930	2450	20	123	18	13,9	on/off
931200.00X.76	D 87, H 197	930	2450	20	123	18	13,9	DALI
931200.00X.1	D 87, H 197	940	2550	20	128	18	14	on/off
931200.00X.1.76	D 87, H 197	940	2550	20	128	18	14	DALI
931208.00X	D 87, H 197	930	3500	29	121	18	15,1	on/off
931208.00X.76	D 87, H 197	930	3500	29	121	18	15,1	DALI
931208.00X.1	D 87, H 197	940	3550	29	122	18	15,2	on/off
931208.00X.1.76	D 87, H 197	940	3550	29	122	18	15,2	DALI
Surface mounted downlights - Reflector medium								**Price Category 21**
931201.00X	D 87, H 197	930	2400	20	120	31	14,3	on/off
931201.00X.76	D 87, H 197	930	2400	20	120	31	14,3	DALI
931201.00X.1	D 87, H 197	940	2450	20	123	31	14,3	on/off
931201.00X.1.76	D 87, H 197	940	2450	20	123	31	14,3	DALI
931209.00X	D 87, H 197	930	3350	29	116	31	15,4	on/off
931209.00X.76	D 87, H 197	930	3350	29	116	31	15,4	DALI
931209.00X.1	D 87, H 197	940	3500	29	121	31	15,6	on/off
931209.00X.1.76	D 87, H 197	940	3500	29	121	31	15,6	DALI
Surface mounted downlights - Reflector wide flood								**Price Category 21**
931202.00X	D 87, H 197	930	2450	20	123	60	20,5	on/off
931202.00X.76	D 87, H 197	930	2450	20	123	60	20,5	DALI
931202.00X.1	D 87, H 197	940	2550	20	128	60	20,7	on/off
931202.00X.1.76	D 87, H 197	940	2550	20	128	60	20,7	DALI
931210.00X	D 87, H 197	930	3500	29	121	60	21,8	on/off
931210.00X.76	D 87, H 197	930	3500	29	121	60	21,8	DALI
931210.00X.1	D 87, H 197	940	3650	29	126	60	21,9	on/off
931210.00X.1.76	D 87, H 197	940	3650	29	126	60	21,9	DALI



Surface mounted downlights | HELEDON mini - Oval corridor optic lens



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Internal ceiling frame polycarbonate with bayonet mounting. Connected via plug-in connector. Heat resistant plastic ring black. With optical assembly polycarbonate lens. Driver integrated.

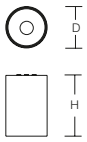
Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface mounted downlights - Oval corridor lens								**Price Category 21**
931207.00X	D 87, H 197	930	1850	20	93	40/28	20,5	on/off
931207.00X.76	D 87, H 197	930	1850	20	93	40/28	20,5	DALI
931207.00X.1	D 87, H 197	940	1950	20	98	40/28	20,7	on/off
931207.00X.1.76	D 87, H 197	940	1950	20	98	40/28	20,7	DALI
931215.00X	D 87, H 197	930	2650	29	91	40/28	21,8	on/off
931215.00X.76	D 87, H 197	930	2650	29	91	40/28	21,8	DALI
931215.00X.1	D 87, H 197	940	2750	29	95	40/28	21,9	on/off
931215.00X.1.76	D 87, H 197	940	2750	29	95	40/28	21,9	DALI

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Surface mounted downlights | HELEDON mini - Optic lens



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Internal ceiling frame polycarbonate with bayonet mounting. Connected via plug-in connector. Heat resistant plastic ring black. With optical assembly polycarbonate lens. Driver integrated.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface mounted downlights - Spot lens								**Price Category 21**
931203.00X	D 87, H 197	930	2150	20	108	20	10,9	on/off
931203.00X.76	D 87, H 197	930	2150	20	108	20	10,9	DALI
931203.00X.1	D 87, H 197	940	2250	20	113	20	11,1	on/off
931203.00X.1.76	D 87, H 197	940	2250	20	113	20	11,1	DALI
931211.00X	D 87, H 197	930	3050	29	105	20	12,1	on/off
931211.00X.76	D 87, H 197	930	3050	29	105	20	12,1	DALI
931211.00X.1	D 87, H 197	940	3200	29	110	20	12,3	on/off
931211.00X.1.76	D 87, H 197	940	3200	29	110	20	12,3	DALI
Surface mounted downlights - Medium lens								**Price Category 21**
931204.00X	D 87, H 197	930	2050	20	103	31	15	on/off
931204.00X.76	D 87, H 197	930	2050	20	103	31	15	DALI
931204.00X.1	D 87, H 197	940	2100	20	105	31	15,1	on/off
931204.00X.1.76	D 87, H 197	940	2100	20	105	31	15,1	DALI
931212.00X	D 87, H 197	930	2900	29	100	31	16,3	on/off
931212.00X.76	D 87, H 197	930	2900	29	100	31	16,3	DALI
931212.00X.1	D 87, H 197	940	3050	29	105	31	16,4	on/off
931212.00X.1.76	D 87, H 197	940	3050	29	105	31	16,4	DALI
Surface mounted downlights - Flood lens								**Price Category 21**
931205.00X	D 87, H 197	930	1900	20	95	44	16,3	on/off
931205.00X.76	D 87, H 197	930	1900	20	95	44	16,3	DALI
931205.00X.1	D 87, H 197	940	2000	20	100	44	16,5	on/off
931205.00X.1.76	D 87, H 197	940	2000	20	100	44	16,5	DALI
931213.00X	D 87, H 197	930	2750	29	95	44	17,6	on/off
931213.00X.76	D 87, H 197	930	2750	29	95	44	17,6	DALI
931213.00X.1	D 87, H 197	940	2850	29	98	44	17,8	on/off
931213.00X.1.76	D 87, H 197	940	2850	29	98	44	17,8	DALI
Surface mounted downlights - Extra wide flood lens								**Price Category 21**
931206.00X	D 87, H 197	930	2200	20	110	72	25,3	on/off
931206.00X.76	D 87, H 197	930	2200	20	110	72	25,3	DALI
931206.00X.1	D 87, H 197	940	2300	20	115	72	25,5	on/off
931206.00X.1.76	D 87, H 197	940	2300	20	115	72	25,5	DALI
931214.00X	D 87, H 197	930	3100	29	107	72	26,5	on/off
931214.00X.76	D 87, H 197	930	3100	29	107	72	26,5	DALI
931214.00X.1	D 87, H 197	940	3250	29	112	72	26,7	on/off
931214.00X.1.76	D 87, H 197	940	3250	29	112	72	26,7	DALI

Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 W HIT (43 W Psys)
1 x 42 W TC-TEL (47 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)
1 x 57 W TC-TEL (59 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°









Accessories:
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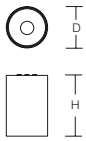


Comparison
LED vs. conventional lamps

LED 25 W ≈
1 x 35 W HIT (43 W Psys)

LED 35 W ≈
1 x 50 W HIT (56 W Psys)

Surface mounted downlights | HELEDON maxi - Optic reflector



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Internal ceiling frame polycarbonate with bayonet mounting. Connected via plug-in connector. Heat resistant plastic ring black. With MIRO-SILVER® reflector. Driver integrated.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface mounted downlights - Reflector spot								**Price Category 21**
931216.00X	D 123, H 183	930	3050	25	122	12	13,2	on/off
931216.00X.76	D 123, H 183	930	3050	25	122	12	13,2	DALI
931216.00X.1	D 123, H 183	940	3200	25	128	12	13,4	on/off
931216.00X.1.76	D 123, H 183	940	3200	25	128	12	13,4	DALI
931223.00X	D 123, H 183	930	4000	35	114	12	14,1	on/off
931223.00X.76	D 123, H 183	930	4000	35	114	12	14,1	DALI
931223.00X.1	D 123, H 183	940	4200	35	120	12	14,3	on/off
931223.00X.1.76	D 123, H 183	940	4200	35	120	12	14,3	DALI
Surface mounted downlights - Reflector medium								**Price Category 21**
931217.00X	D 123, H 183	930	3150	25	126	21	13,2	on/off
931217.00X.76	D 123, H 183	930	3150	25	126	21	13,2	DALI
931217.00X.1	D 123, H 183	940	3300	25	132	21	13,4	on/off
931217.00X.1.76	D 123, H 183	940	3300	25	132	21	13,4	DALI
931224.00X	D 123, H 183	930	4200	35	120	21	14,2	on/off
931224.00X.76	D 123, H 183	930	4200	35	120	21	14,2	DALI
931224.00X.1	D 123, H 183	940	4300	35	123	21	14,3	on/off
931224.00X.1.76	D 123, H 183	940	4300	35	123	21	14,3	DALI
Surface mounted downlights - Reflector flood								**Price Category 21**
931218.00X	D 123, H 183	930	3150	25	126	33	13,8	on/off
931218.00X.76	D 123, H 183	930	3150	25	126	33	13,8	DALI
931218.00X.1	D 123, H 183	940	3350	25	134	33	14	on/off
931218.00X.1.76	D 123, H 183	940	3350	25	134	33	14	DALI
931225.00X	D 123, H 183	930	4200	35	120	33	14,8	on/off
931225.00X.76	D 123, H 183	930	4200	35	120	33	14,8	DALI
931225.00X.1	D 123, H 183	940	4350	35	124	33	14,9	on/off
931225.00X.1.76	D 123, H 183	940	4350	35	124	33	14,9	DALI
Surface mounted downlights - Reflector wide flood								**Price Category 21**
931219.00X	D 123, H 183	930	3050	25	122	65	19,8	on/off
931219.00X.76	D 123, H 183	930	3050	25	122	65	19,8	DALI
931219.00X.1	D 123, H 183	940	3200	25	128	65	20	on/off
931219.00X.1.76	D 123, H 183	940	3200	25	128	65	20	DALI
931226.00X	D 123, H 183	930	3950	35	113	65	20,7	on/off
931226.00X.76	D 123, H 183	930	3950	35	113	65	20,7	DALI
931226.00X.1	D 123, H 183	940	4200	35	120	65	20,9	on/off
931226.00X.1.76	D 123, H 183	940	4200	35	120	65	20,9	DALI



Accessories:
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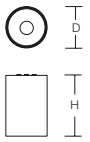






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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Surface mounted downlights | HELEDON maxi - Optic lens



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Internal ceiling frame polycarbonate with bayonet mounting. Connected via plug-in connector. Heat resistant plastic ring black. With optical assembly polycarbonate lens. Driver integrated.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface mounted downlights - Spot lens								**Price Category 21**
931220.00X	D 123, H 183	930	2700	25	108	13	11	on/off
931220.00X.76	D 123, H 183	930	2700	25	108	13	11	DALI
931220.00X.1	D 123, H 183	940	2800	25	112	13	11,2	on/off
931220.00X.1.76	D 123, H 183	940	2800	25	112	13	11,2	DALI
931227.00X	D 123, H 183	930	3500	35	100	13	11,9	on/off
931227.00X.76	D 123, H 183	930	3500	35	100	13	11,9	DALI
931227.00X.1	D 123, H 183	940	3700	35	106	13	12,1	on/off
931227.00X.1.76	D 123, H 183	940	3700	35	106	13	12,1	DALI
Surface mounted downlights - Medium lens								**Price Category 21**
931221.00X	D 123, H 183	930	2600	25	104	31	13,3	on/off
931221.00X.76	D 123, H 183	930	2600	25	104	31	13,3	DALI
931221.00X.1	D 123, H 183	940	2700	25	108	31	13,5	on/off
931221.00X.1.76	D 123, H 183	940	2700	25	108	31	13,5	DALI
931228.00X	D 123, H 183	930	3400	35	97	31	14,3	on/off
931228.00X.76	D 123, H 183	930	3400	35	97	31	14,3	DALI
931228.00X.1	D 123, H 183	940	3550	35	101	31	14,4	on/off
931228.00X.1.76	D 123, H 183	940	3550	35	101	31	14,4	DALI
Surface mounted downlights - Flood lens								**Price Category 21**
931222.00X	D 123, H 183	930	2650	25	106	42	14,6	on/off
931222.00X.76	D 123, H 183	930	2650	25	106	42	14,6	DALI
931222.00X.1	D 123, H 183	940	2800	25	112	42	14,7	on/off
931222.00X.1.76	D 123, H 183	940	2800	25	112	42	14,7	DALI
931229.00X	D 123, H 183	930	3450	35	99	42	15,5	on/off
931229.00X.76	D 123, H 183	930	3450	35	99	42	15,5	DALI
931229.00X.1	D 123, H 183	940	3650	35	104	42	15,7	on/off
931229.00X.1.76	D 123, H 183	940	3650	35	104	42	15,7	DALI

Comparison
LED vs. conventional lamps

LED 25 W ≈
1 x 35 W HIT (43 W Psys)

LED 35 W ≈
1 x 50 W HIT (56 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°





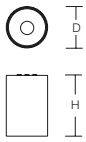




Accessories:
Page 393



Surface mounted downlights | HELEDON maxi - Food optic reflector



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Internal ceiling frame polycarbonate with bayonet mounting. Connected via plug-in connector. Heat resistant plastic ring black. With MIRO-SILVER® reflector and special food LED. Driver integrated.

Available colours (X): 2 = white, 3 = black, 4 = silver

Food LED light colours show food in its best light:

- **bakery** (golden yellow): Baked goods look fresher and the colours are more intense
- **fresh meat** (reddish white): Fresh presentation of sausages and meat, white parts remain white
- **meat +** (intense red): The red colour of sausages and meat is highlighted

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface mounted downlights - Reflector spot								**Price Category 21**
931244.00X.2	D 123, H 183	bakery	3300	33	100	17	13,6	on/off
931244.00X.2.76	D 123, H 183	bakery	3300	33	100	17	13,6	DALI
931230.00X	D 123, H 183	fresh meat	2100	33	64	17	12,1	on/off
931230.00X.76	D 123, H 183	fresh meat	2100	33	64	17	12,1	DALI
931237.00X	D 123, H 183	meat +	2200	33	67	17	12,2	on/off
931237.00X.76	D 123, H 183	meat +	2200	33	67	17	12,2	DALI
Surface mounted downlights - Reflector medium								**Price Category 21**
931245.00X.2	D 123, H 183	bakery	3400	33	103	23	13,9	on/off
931245.00X.2.76	D 123, H 183	bakery	3400	33	103	23	13,9	DALI
931231.00X	D 123, H 183	fresh meat	2150	33	65	23	12,3	on/off
931231.00X.76	D 123, H 183	fresh meat	2150	33	65	23	12,3	DALI
931238.00X	D 123, H 183	meat +	2250	33	68	23	12,5	on/off
931238.00X.76	D 123, H 183	meat +	2250	33	68	23	12,5	DALI
Surface mounted downlights - Reflector flood								**Price Category 21**
931246.00X.2	D 123, H 183	bakery	3450	33	105	33	14,4	on/off
931246.00X.2.76	D 123, H 183	bakery	3450	33	105	33	14,4	DALI
931232.00X	D 123, H 183	fresh meat	2150	33	65	33	12,8	on/off
931232.00X.76	D 123, H 183	fresh meat	2150	33	65	33	12,8	DALI
931239.00X	D 123, H 183	meat +	2250	33	68	33	12,9	on/off
931239.00X.76	D 123, H 183	meat +	2250	33	68	33	12,9	DALI
Surface mounted downlights - Reflector wide flood								**Price Category 21**
931247.00X.2	D 123, H 183	bakery	3300	33	100	67	20,5	on/off
931247.00X.2.76	D 123, H 183	bakery	3300	33	100	67	20,5	DALI
931233.00X	D 123, H 183	fresh meat	2050	33	62	67	18,9	on/off
931233.00X.76	D 123, H 183	fresh meat	2050	33	62	67	18,9	DALI
931240.00X	D 123, H 183	meat +	2150	33	65	67	19	on/off
931240.00X.76	D 123, H 183	meat +	2150	33	65	67	19	DALI



Accessories:
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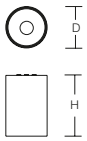






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Surface mounted downlights | HELEDON maxi - Food optic lens





Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Internal ceiling frame polycarbonate with bayonet mounting. Connected via plug-in connector. Heat resistant plastic ring black. With optical assembly polycarbonate lens and special food LED. Driver integrated.

Available colours (X): 2 = white, 3 = black, 4 = silver

Food LED light colours show food in its best light:

- **bakery** (golden yellow): Baked goods look fresher and the colours are more intense
- **fresh meat** (reddish white): Fresh presentation of sausages and meat, white parts remain white
- **meat +** (intense red): The red colour of sausages and meat is highlighted

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface mounted downlights - Spot lens								**Price Category 21**
931248.00X.2	D 123, H 183	bakery	2950	33	89	17	12,6	on/off
931248.00X.2.76	D 123, H 183	bakery	2950	33	89	17	12,6	DALI
931234.00X	D 123, H 183	fresh meat	1800	33	55	17	10,9	on/off
931234.00X.76	D 123, H 183	fresh meat	1800	33	55	17	10,9	DALI
931241.00X	D 123, H 183	meat +	1900	33	58	17	11,1	on/off
931241.00X.76	D 123, H 183	meat +	1900	33	58	17	11,1	DALI
Surface mounted downlights - Medium lens								**Price Category 21**
931249.00X.2	D 123, H 183	bakery	2850	33	86	35	14,7	on/off
931249.00X.2.76	D 123, H 183	bakery	2850	33	86	35	14,7	DALI
931235.00X	D 123, H 183	fresh meat	1750	33	53	35	13	on/off
931235.00X.76	D 123, H 183	fresh meat	1750	33	53	35	13	DALI
931242.00X	D 123, H 183	meat +	1850	33	56	35	13,2	on/off
931242.00X.76	D 123, H 183	meat +	1850	33	56	35	13,2	DALI
Surface mounted downlights - Flood lens								**Price Category 21**
931250.00X.2	D 123, H 183	bakery	2900	33	88	44	16	on/off
931250.00X.2.76	D 123, H 183	bakery	2900	33	88	44	16	DALI
931236.00X	D 123, H 183	fresh meat	1800	33	55	44	14,3	on/off
931236.00X.76	D 123, H 183	fresh meat	1800	33	55	44	14,3	DALI
931243.00X	D 123, H 183	meat +	1900	33	58	44	14,5	on/off
931243.00X.76	D 123, H 183	meat +	1900	33	58	44	14,5	DALI

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°



Accessories:
Page 393











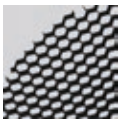
Accessories | HELEDON mini




Diffuser			Price Category 21
982370.000	D 74, H 3	Safety glass, clear.	
982370.010	D 74, H 3	Safety glass, satin finish.	




Decorative glasses			Price Category 21
982647.002	D 87, H 41	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	
982648.002	D 87, H 76	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	



Anti-glare honeycomb louvre			Price Category 21
982371.003	D 74, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982419.002	D 82, H 20	White plastic ring for reflector.	
982421.002	D 82, H 31	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982368.003	D 82, H 55	Reflector spot, narrow beam	
982368.013	D 82, H 55	Reflector medium, medium beam	
982368.023	D 82, H 55	Reflector flood, wide beam	
982368.033	D 82, H 55	Reflector wide flood, very wide beam	
982369.003	D 82, H 55	Spot lens, narrow beam	
982369.013	D 82, H 55	Medium lens, medium beam	
982369.023	D 82, H 55	Flood lens, wide beam	
982369.033	D 82, H 55	Extra wide flood lens, extremly wide beam	
982369.043	D 82, H 55	Lens with oval light distribution for corridor	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Accessories | HELEDON maxi



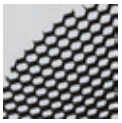
Diffuser			Price Category 21
982374.000	D 111, H 3	Safety glass, clear.	
982374.010	D 111, H 3	Safety glass, satin finish.	



Decorative glasses			Price Category 21
982649.002	D 123, H 41	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	
982650.002	D 123, H 76	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	



Anti-glare honeycomb louvre			Price Category 21
982375.003	D 111, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982420.002	D 118, H 20	White plastic ring for reflector.	
982422.002	D 118, H 33	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982372.003	D 118, H 83	Reflector spot, narrow beam	
982372.013	D 118, H 83	Reflector medium, medium beam	
982372.023	D 118, H 83	Reflector flood, wide beam	
982372.033	D 118, H 83	Reflector wide flood, very wide beam	
982373.003	D 118, H 83	Spot lens, narrow beam	
982373.013	D 118, H 83	Medium lens, medium beam	
982373.023	D 118, H 83	Flood lens, wide beam	



superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°



DALI | Plug & Play | IP40

GERMAN DESIGN AWARD WINNER 2018

TOLEDO FLAT

Surface mounted downlights

ARCHITECTURE

- **Versatile:** Extra flat LED surface-mounted downlight in five sizes round and four sizes square.
- **Reduced:** Very low installation height.
- **Safe:** Also available as an emergency luminaire in accordance with EN 60598-2-22.
- **Applicable:** Corridors, side rooms, hotels, restaurants, conference rooms, private rooms.

LIGHTING DESIGN

- **Homogenous:** Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic.
- **Optimum:** LED rated life 50,000 h (L80/B50).
- **Combinable:** Mounting rings for retrofitting a fabric lampshade available as accessory.

INSTALLATION

- **Variable:** Suitable for ceiling and wall mounting.
- **Straightforward:** Easy installation with Plug & Play plug connection.
- **Advantageous:** DALI variants suitable for through wiring as standard (only D 500 mm).

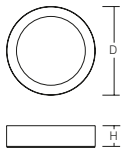


Further luminaires of this series, see:

Indoor lighting | Recessed modular luminaires
Indoor lighting | Pendant luminaires
Indoor lighting | Fabric lampshade luminaires
Indoor lighting | Recessed downlights

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted downlights | TOLEDO FLAT round



Type of protection: **IP 40**
Protection class: II
Impact protection: IK06

Cylinder housing sheet steel, powder coated. Bezel ring: die-cast aluminium, powder coated. Lightguide and diffuser made of non-yellowing PMMA, opal matt or prismatic.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control	
Surface mounted downlights									**Price Category 21**
Diffuser: plastic, opal									
Diameter D 150 mm									
901495.002	D 150, H 57	830	470	5	94	110	27	on/off	✓
901495.002.1	D 150, H 57	840	530	5	106	110	27,4	on/off	✓
Diameter D 192 mm									
901496.002	D 192, H 58	830	780	7,7	101	110	26,4	on/off	✓
901496.002.76	D 192, H 58	830	780	7,7	101	110	26,4	DALI	
901496.002.1	D 192, H 58	840	840	7,7	109	110	26,6	on/off	✓
901496.002.1.76	D 192, H 58	840	840	7,7	109	110	26,6	DALI	
Diameter D 257 mm									
901497.002	D 257, H 63	830	1650	17	97	110	26,6	on/off	✓
901497.002.76	D 257, H 63	830	1650	17	97	110	26,6	DALI	
901497.002.1	D 257, H 63	840	1800	17	106	110	26,8	on/off	✓
901497.002.1.76	D 257, H 63	840	1800	17	106	110	26,8	DALI	
Diameter D 319 mm									
901498.002	D 319, H 63	830	2150	22	98	108	25,5	on/off	✓
901498.002.76	D 319, H 63	830	2150	22	98	108	25,5	DALI	
901498.002.1	D 319, H 63	840	2250	22	102	108	25,7	on/off	✓
901498.002.1.76	D 319, H 63	840	2250	22	102	108	25,7	DALI	
Diameter D 500 mm									
901587.002	D 500, H 63	830	3550	30	118	113	23,9	on/off	✓
901587.002.76	D 500, H 63	830	3550	30	118	113	23,9	DALI	
901587.002.1	D 500, H 63	840	3600	30	120	113	23,9	on/off	✓
901587.002.1.76	D 500, H 63	840	3600	30	120	113	23,9	DALI	
Diffuser: transparent plastic, microprismatic									
Diameter D 500 mm									
901588.002	D 500, H 63	830	3450	30	115	88	21,1	on/off	✓
901588.002.76	D 500, H 63	830	3450	30	115	88	21,1	DALI	
901588.002.1	D 500, H 63	840	3550	30	118	88	21,4	on/off	✓
901588.002.1.76	D 500, H 63	840	3550	30	118	88	21,4	DALI	

Comparison LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W Psys)

LED 7,7 W ≈
1 x 18 W TC-D (26 W Psys)

LED 17 W ≈
2 x 18 W TC-D (52 W Psys)
1 x 22 W T16-R (25 W Psys)

LED 22 W ≈
2 x 26 W TC-D (68 W Psys)
1 x 40 W T16-R (43 W Psys)

LED 30 W ≈
3 x 26 W TC-D (102 W Psys)
1 x 60 W T16-R (65 W Psys)

Accessories | Anti-Glow-Module
Prevents the generally rarely occurring afterglow with DALI luminaires in the state switched off via DALI in connection with disproportionate grounding concepts. The Anti-Glow module is connected between the converter and the luminaire housing.

Anti-Glow Module			Price Category 21
983000.002	L 40, B 25, H 15	2 pole, cable length 250 mm.	

Accessories | Mounting ring for fabric lamp shades
Retrofittable holder for a tool-free mounting of a lamp shade. Ring metal powder coated.
With M4 threaded and knurled nuts plastic.

Mounting ring for fabric lamp shades			Price Category 21
982386.002	D 162, H 10	For TOLEDO FLAT round D 150 For mounting the lamp shade TOLEDO FLATLINER 200	
982387.002	D 204, H 10	For TOLEDO FLAT round D 192 For mounting the lamp shade TOLEDO FLATLINER 242	
982388.002	D 270, H 10	For TOLEDO FLAT round D 257 For mounting the lamp shade TOLEDO FLATLINER 307	
982389.002	D 331, H 10	For TOLEDO FLAT round D 319 For mounting the lamp shade TOLEDO FLATLINER 369	



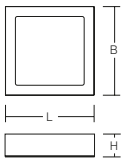
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This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Further luminaires of this series and a colour chart with more than 50 available colours, see:
Indoor Lighting: Fabric lampshade luminaires



Surface mounted downlights | TOLEDO FLAT square



Type of protection: **IP 40**
Protection class: II
Impact protection: IK06

Surface mounted housing: sheet steel, powder coated. Square cover plate: die-cast aluminium, powder coated. Light guide and diffuser made of non-yellowing PMMA, opal matt.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control	
Surface mounted downlights									**Price Category 21**
Length L 110 mm x Width B 110 mm									
901551.002	L 110, B 110, H 58	830	420	5	84	107	28,7	on/off	✓
901551.002.1	L 110, B 110, H 58	840	430	5	86	107	28,8	on/off	✓
Length L 172 mm x Width B 172 mm									
901552.002	L 172, B 172, H 58	830	770	8	96	108	25,9	on/off	✓
901552.002.76	L 172, B 172, H 58	830	770	8	96	108	25,9	DALI	
901552.002.1	L 172, B 172, H 58	840	800	8	100	108	26,1	on/off	✓
901552.002.1.76	L 172, B 172, H 58	840	800	8	100	108	26,1	DALI	
Length L 225 mm x Width B 225 mm									
901553.002	L 225, B 225, H 58	830	1650	17	97	108	26,1	on/off	✓
901553.002.76	L 225, B 225, H 58	830	1650	17	97	108	26,1	DALI	
901553.002.1	L 225, B 225, H 58	840	1800	17	106	108	26,4	on/off	✓
901553.002.1.76	L 225, B 225, H 58	840	1800	17	106	108	26,4	DALI	
Length L 300 mm x Width B 300 mm									
901554.002	L 300, B 300, H 58	830	2150	21	102	108	24,6	on/off	✓
901554.002.76	L 300, B 300, H 58	830	2150	21	102	108	24,6	DALI	
901554.002.1	L 300, B 300, H 58	840	2250	21	107	108	24,7	on/off	✓
901554.002.1.76	L 300, B 300, H 58	840	2250	21	107	108	24,7	DALI	

Comparison
LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W Psys)

LED 8 W ≈
1 x 18 W TC-D (26 W Psys)

LED 17 W ≈
2 x 18 W TC-D (52 W Psys)
1 x 22 W T16-R (25 W Psys)

LED 21 W ≈
2 x 26 W TC-D (68 W Psys)
1 x 40 W T16-R (43 W Psys)

Accessories | Anti-Glow-Module
Prevents the generally rarely occurring afterglow with DALI luminaires in the state switched off via DALI in connection with disproportionate grounding concepts. The Anti-Glow module is connected between the converter and the luminaire housing.

Anti-Glow Module			Price Category 21
983000.002	L 40, B 25, H 15	2 pole, cable length 250 mm.	

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



© Linus Lintner

The application image shows:
TOLEDO FLAT



Tunable White | HCL ready | UGR ≤ 19 | CRI >90 | COI compliant | DALI | Casambi smart+ free | CLO Constant Light Output | Plug & Play | IP40

TOLEDO FLAT PRO

Surface mounted downlights

ARCHITECTURE

- **Versatile:** Ultra-flat round downlight suitable for recessed or surface installation.
- **Robust:** Diffuser made from resistant polycarbonate (PC) with smooth surface on room side.
- **Applicable:** Treatment rooms in health centres, locations with stringent hygienic requirements.
- **Smart Lighting:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.

LIGHTING DESIGN

- **Anti-glare:** Satinised microprismatic diffuser prevents direct glare.
- **Advantageous:** Model with light colour 940 suitable for medical applications in accordance with the Cyanosis Observation Index (COI <3.3).
- **Complies with regulations:** Particularly suitable for the requirements of treatment rooms in healthcare facilities, in accordance with EN 12464 (UGR ≤19, CRI >90).
- **Reliable planning:** LED rated life 80000 h, CLO controlled for constant light output throughout the entire service life.
- **Dynamic:** Tunable white dynamically adjustable from 2700 K to 6500 K.

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Easy installation with Plug & Play plug connection.
- **Standard:** Suitable for through-wiring.
- **Clean:** Easy cleaning if resistant to cleaning agents / disinfectants.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.



Further luminaires of this series, see:
Indoor lighting | Recessed downlights

For more information, see the chapter recessed downlights on page 366.

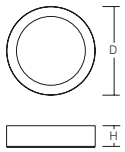
Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted downlights | TOLEDO FLAT PRO

Type of protection: **IP 40**
Protection class: II
Impact protection: IK06

Cylinder housing sheet steel, powder coated. Bezel ring: die-cast aluminium, powder coated.
Diffuser made from resistant polycarbonate (PC), with smooth surface on room side.
Driver integrated.

Available colour: 2 = white





Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface mounted downlights								**Price Category 21**
Diffuser made of smooth, satin finish microprismatic polycarbonate								
901720.002.76	D 500, H 63	930	2650	26	102	81	18,3	DALI
901720.002.1.76 *	D 500, H 63	940	2800	26	108	81	18,5	DALI
Tunable White - 2700 K to 6500 K								
901720.002.2.76	D 500, H 63	927-965	2700	30	90	81	18,2...18,5	DALI
901720.002.2.730	D 500, H 63	927-965	2700	30	90	81	18,2...18,5	smart+free

* Qualified for medical applications according to Cyanosis Observation Index (COI <3.3).

Comparison
LED vs. conventional lamps

LED 26 / 30 W ≈
1 x 55 W T16-R (60 W Psys)



The application image shows:
TOLEDO FLAT PRO



Tunable White | HCL ready | UGR ≤ 19 | MultiColour | MultiLumen | DALI | Casambi smart+ free | Plug & Play | IP40

TOLEDO FLAT+

Surface mounted downlights

ARCHITECTURE

- **Versatile:** Extra flat surface-mounted downlight in four sizes round and three sizes square.
- **Design-oriented:** Minimalist design. Very low installation height.
- **Individual:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Applicable:** Corridors, side rooms, hotels, restaurants, conference rooms, private rooms.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Homogenous:** Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic.
- **Standard:** MultiLumen - 4-step adjustable luminous flux.
- **Flexible:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.
- **Dynamic:** Tunable white dynamically adjustable from 2700 K to 6500 K.

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Easy installation with Plug & Play plug connection.
- **Variable:** Suitable for ceiling and wall mounting.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.



Further luminaires of this series, see:
Indoor lighting | Recessed downlights

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

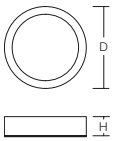


© Linus Lintner

The application image shows:
TOLEDO FLAT



Surface mounted downlights | TOLEDO FLAT+ round



Type of protection: **IP 40**
Protection class: II
Impact protection: IK03

Housing: die-cast aluminium. Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic. LED backlight technology for homogeneous illumination of the entire light-emitting surface.

Available colours (X): 2 = white, 31 = anthracite

MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.

MultiLumen: Luminous flux variable in 4 steps. Factory setting is step 2.

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison
LED vs. conventional lamps

LED 4,5 W ≈
1 x 13 W TC-D (19 W Psys)

LED 9,5 / 10 W ≈
1 x 26 W TC-D (34 W Psys)

LED 12 W ≈
2 x 18 W TC-D (52 W Psys)

LED 17 / 18 W ≈
2 x 26 W TC-D (68 W Psys)

LED 22 / 26 W ≈
3 x 26 W TC-D (102 W Psys)

LED 33 W ≈
4 x 26 W TC-D (136 W Psys)

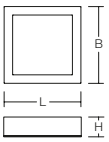
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface mounted downlights								**Price Category 21**
Diffuser: plastic, opal								
Diameter D 165 mm								
901819.00X	D 165, H 70	830, 840	570...1150	4,5...9,5	127	112	26,2...28,7	on/off
901819.00X.76	D 165, H 70	830, 840	570...1150	4,5...9,5	127	112	26,2...28,7	DALI
Diameter D 270 mm								
901820.00X	D 270, H 70	830, 840	1650...3150	12...22	147	112	25,6...27,8	on/off
901820.00X.76	D 270, H 70	830, 840	1650...3150	12...22	147	112	25,6...27,8	DALI
Tunable White - 2700 K to 6500 K								
901820.00X.2.76	D 270, H 70	827-865	2200	18	128	113	26,7...26,8	DALI
901820.00X.2.730	D 270, H 70	827-865	2200	18	128	113	26,7...26,8	smart+free
Diameter D 390 mm								
901822.00X	D 390, H 70	830, 840	1550...2950	12...22	137	113	22,4...24,7	on/off
901822.00X.76	D 390, H 70	830, 840	1550...2950	12...22	137	113	22,4...24,7	DALI
Tunable White - 2700 K to 6500 K								
901822.00X.2.76	D 390, H 70	827-865	1950	17	121	113	23,3...23,5	DALI
901822.00X.2.730	D 390, H 70	827-865	1950	17	121	113	23,3...23,5	smart+free
Diameter D 470 mm								
901824.00X	D 470, H 70	830, 840	3050...4450	22...33	139	113	23,3...24,6	on/off
901824.00X.76	D 470, H 70	830, 840	3050...4450	22...33	139	113	23,3...24,6	DALI
Tunable White - 2700 K to 6500 K								
901824.00X.2.76	D 470, H 70	827-865	3150	26	127	113	23,5...23,7	DALI
901824.00X.2.730	D 470, H 70	827-865	3150	26	127	113	23,5...23,7	smart+free
Diffuser plastic microprismatic								
Diameter D 270 mm								
901821.00X	D 270, H 70	830, 840	1450...2800	12...22	130	89	21,7...24	on/off
901821.00X.76	D 270, H 70	830, 840	1450...2800	12...22	130	89	21,7...24	DALI
Tunable White - 2700 K to 6500 K								
901821.00X.2.76	D 270, H 70	827-865	2000	18	117	90	22,8...23	DALI
901821.00X.2.730	D 270, H 70	827-865	2000	18	117	90	22,8...23	smart+free
Diameter D 390 mm								
901823.00X	D 390, H 70	830, 840	1350...2550	12...22	120	78	17,7...19,9	on/off
901823.00X.76	D 390, H 70	830, 840	1350...2550	12...22	120	78	17,7...19,9	DALI
Tunable White - 2700 K to 6500 K								
901823.00X.2.76	D 390, H 70	827-865	1750	17	106	78	18,6...18,7	DALI
901823.00X.2.730	D 390, H 70	827-865	1750	17	106	78	18,6...18,7	smart+free
Diameter D 470 mm								
901825.00X	D 470, H 70	830, 840	2600...3800	22...33	118	78	18,5...19,8	on/off
901825.00X.76	D 470, H 70	830, 840	2600...3800	22...33	118	78	18,5...19,8	DALI
Tunable White - 2700 K to 6500 K								
901825.00X.2.76	D 470, H 70	827-865	2750	26	112	78	18,6...18,8	DALI
901825.00X.2.730	D 470, H 70	827-865	2750	26	112	78	18,6...18,8	smart+free

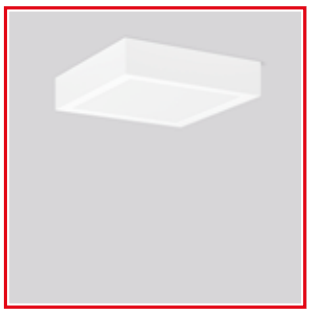





Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Surface mounted downlights | TOLEDO FLAT+ square





Type of protection: **IP 40**, **IP 54**
Protection class: II
Impact protection: IK03

Housing: die-cast aluminium. Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic. LED backlight technology for homogeneous illumination of the entire light-emitting surface.

Available colours (X): 2 = white, 31 = anthracite

MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.

MultiLumen: Luminous flux variable in 4 steps. Factory setting is step 2.

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface mounted downlights								**Price Category 21**
Diffuser: plastic, opal								
Length L 150 mm x Width B 150 mm								
901826.00X	L 150, B 150, H 70	830, 840	570...1150	4,5...9,5	127	111	26,3...28,8	on/off
901826.00X.76	L 150, B 150, H 70	830, 840	570...1150	4,5...9,5	127	111	26,3...28,8	DALI
Length L 230 mm x Width B 230 mm								
901827.00X	L 230, B 230, H 70	830, 840	1050...2100	8...15	146	112	24,5...27	on/off
901827.00X.76	L 230, B 230, H 70	830, 840	1050...2100	8...15	146	112	24,5...27	DALI
Tunable White - 2700 K to 6500 K								
901827.00X.2.76	L 230, B 230, H 70	827-865	1750	15	120	113	26,4...26,5	DALI
901827.00X.2.730	L 230, B 230, H 70	827-865	1750	15	120	113	26,4...26,5	smart+free
Length L 310 mm x Width B 310 mm								
901829.00X	L 310, B 310, H 70	830, 840	1650...3050	12...23	138	112	23,6...25,8	on/off
901829.00X.76	L 310, B 310, H 70	830, 840	1650...3050	12...23	138	112	23,6...25,8	DALI
Tunable White - 2700 K to 6500 K								
901829.00X.2.76	L 310, B 310, H 70	827-865	2250	19	124	113	24,8...24,9	DALI
901829.00X.2.730	L 310, B 310, H 70	827-865	2250	19	124	113	24,8...24,9	smart+free
Diffuser plastic microprismatic								
Length L 230 mm x Width B 230 mm								
901828.00X	L 230, B 230, H 70	830, 840	1000...1850	8...15	127	91	20,9...23,1	on/off
901828.00X.76	L 230, B 230, H 70	830, 840	1000...1850	8...15	127	91	20,9...23,1	DALI
Tunable White - 2700 K to 6500 K								
901828.00X.2.76	L 230, B 230, H 70	827-865	1550	15	107	91/91	22,5...22,6	DALI
901828.00X.2.730	L 230, B 230, H 70	827-865	1550	15	107	91/91	22,5...22,6	smart+free
Length L 310 mm x Width B 310 mm								
901830.00X	L 310, B 310, H 70	830, 840	1500...2800	12...23	125	91	19,8...22	on/off
901830.00X.76	L 310, B 310, H 70	830, 840	1500...2800	12...23	125	91	19,8...22	DALI
Tunable White - 2700 K to 6500 K								
901830.00X.2.76	L 310, B 310, H 70	827-865	2000	19	108	91/91	20,8...20,9	DALI
901830.00X.2.730	L 310, B 310, H 70	827-865	2000	19	108	91/91	20,8...20,9	smart+free

Comparison LED vs. conventional lamps

LED 4,5 W ≈
1 x 13 W TC-D (19 W Psys)

LED 8 / 9,5 / 10 W ≈
1 x 26 W TC-D (34 W Psys)

LED 12 / 15 W ≈
2 x 18 W TC-D (52 W Psys)

LED 19 W ≈
3 x 18 W TC-D (78 W Psys)

LED 23 W ≈
4 x 18 W TC-D (104 W Psys)



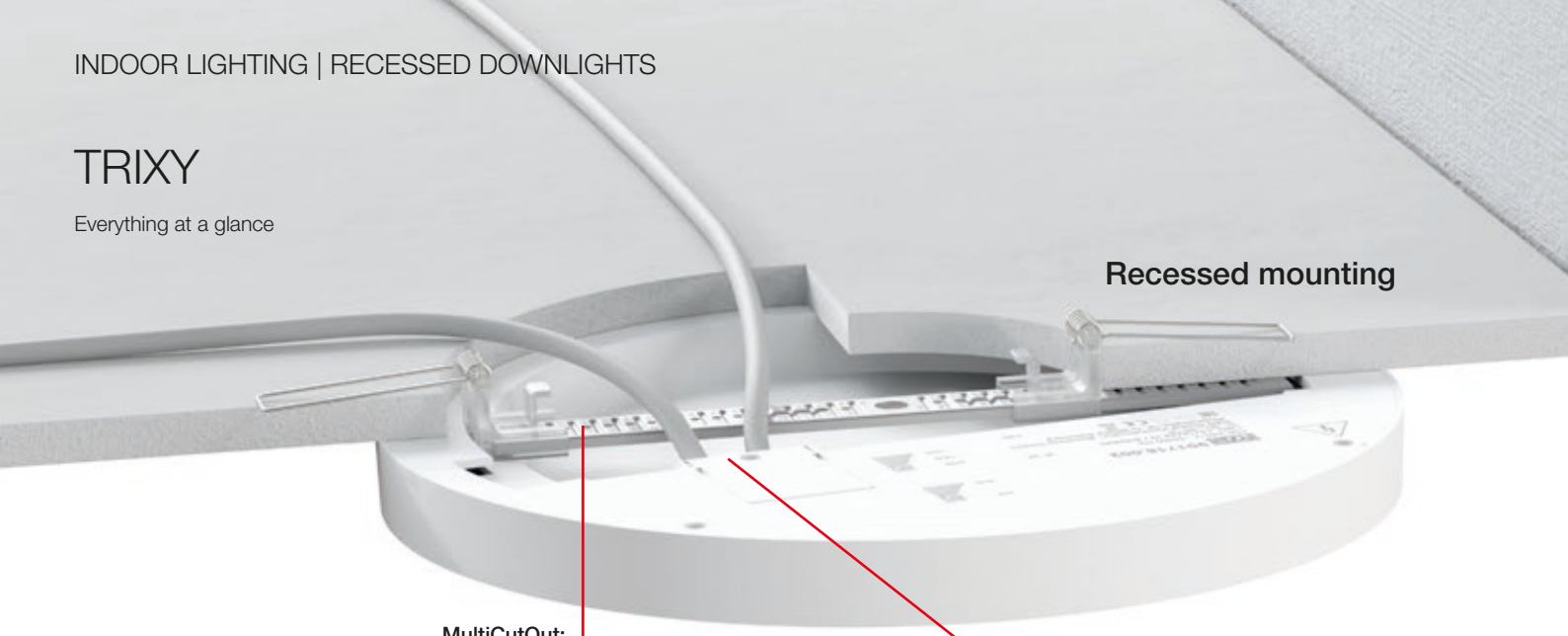


Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

TRIXY

Everything at a glance

Recessed mounting

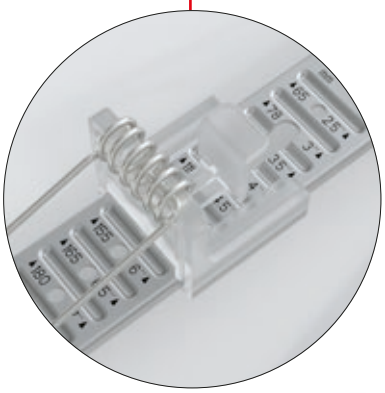


MultiCutOut:
Adjustable spring clamps for different ceiling cut-outs from 65-205 mm (Ø 235 mm) or 120-260 mm (Ø 300 mm).

Ceiling thickness from 5-25 mm.

MultiCutOut

Suitable for through-wiring.



Adjustable spring clamps.





MultiLumen: 3 steps adjustable luminous flux.

MultiLumen

MultiColour

MultiColour: Colour temperature adjustable via switching element to 3000 K or 4000 K.

Surface mounting



RZB SIDELITE® technology:
Lateral light injection for extremely homogeneous light distribution.

Diffuser: Plastic, transparent, with opal **reflector foil**.







TRIXY

Surface mounted downlights, Recessed downlights

ARCHITECTURE

- Flat downlight for recessed or surface installation in 2 sizes and in 2 shapes.
- 3-fold multi-function: MultiColour, MultiLumen, MultiCutOut.
- The MultiCutOut function makes it particularly suitable for renovations with existing ceiling cut-outs.
- Very low installation height.
- Applications: Renovations, corridors, side rooms, hotels, restaurants, conference rooms, private rooms.

LIGHTING DESIGN

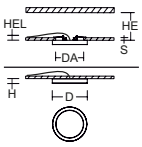
- RZB SIDELITE® technology: Lateral light injection for extremely homogeneous light distribution.
- Suitable for ceiling and wall mounting.
- Luminous efficacy up to 125 lm/W.
- Colour rendering index Ra > 80.
- Colour tolerance within 4-steps MacAdam (4 SDCM).
- LED rated life 40000 h (L70/B50).

INSTALLATION

- **MultiColour:** with rear switching element, variable colour temperature 3000 K or 4000 K.
- **MultiLumen:** Luminous flux adjustable in 3 steps.
- **MultiCutOut:** With adjustable spring clamps, different round and square ceiling cut-outs can be individually adhered to.
- With integrated converter.
- Suitable for through-wiring.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted downlights, Recessed downlights | TRIXY



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 5-25 mm
Impact protection: IK03

Housing made of UV-resistant polycarbonate. Perfect heat management with an aluminium heat sink. Diffuser: plastic (PMMA), transparent, with opal reflector foil. Lateral light emission (RZB SIDELITE® technology) for homogeneous light distribution. Suitable for recessed mounting in ceilings and surface mounting on ceilings and walls. Driver integrated. Suitable for through-wiring.

Available colour: 2 = white

MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.

MultiLumen: Luminous flux adjustable in 3 steps. Factory setting is the highest luminous flux.

MultiCutOut: With adjustable spring clamps, different ceiling cut-outs can be individually adhered to.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface and recessed mounted downlights								**Price Category 21**
Ceiling cut out DA adjustable from 65 mm to 205 mm minimum mechanical height installed HEL 25 mm								
901717.002 .Q	D 235, H 22, HE 82	830, 840	990...1650	9...15	122	113	25,2...26,9	on/off
Ceiling cut out DA adjustable from 120 mm to 260 mm minimum mechanical height installed HEL 25 mm								
901718.002	D 300, H 25, HE 82	830, 840	1600...2600	14...22	125	113	24,8...26,5	on/off

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

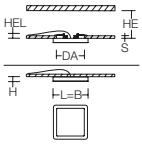
Comparison LED vs. conventional lamps

LED 9 W ≈
2 x 13 W TC-D (38 W Psys)

LED 14 / 15 W ≈
2 x 18 W TC-D (52 W Psys)

LED 22 W ≈
2 x 26 W TC-D (68 W Psys)

Surface mounted downlights, Recessed downlights | TRIXY



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 5-25 mm
Impact protection: IK02

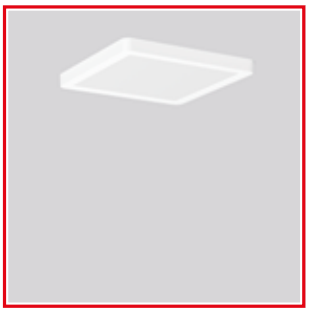
Housing made of UV-resistant polycarbonate. Perfect heat management with an aluminium heat sink. Diffuser: plastic (PMMA), transparent, with opal reflector foil. Lateral light emission (RZB SIDELITE® technology) for homogeneous light distribution. Suitable for recessed mounting in ceilings and surface mounting on ceilings and walls. Driver integrated. Suitable for through-wiring.

Available colour: 2 = white

MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.

MultiLumen: Luminous flux adjustable in 3 steps. Factory setting is the highest luminous flux.

MultiCutOut: With adjustable spring clamps, different ceiling cut-outs can be individually adhered to.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface and recessed mounted downlights								**Price Category 21**
Ceiling cut out DA adjustable from 65 mm to 205 mm minimum mechanical height installed HEL 25 mm								
901722.002	L 235, B 235, H 22, HE 82	830, 840	990...1700	9...15	117	114	24,3...26,2	on/off
Ceiling cut out DA adjustable from 120 mm to 260 mm minimum mechanical height installed HEL 25 mm								
901723.002	L 300, B 300, H 25, HE 82	830, 840	1550...2550	14...22	118	114	23,9...25,6	on/off

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 9 W ≈
2 x 13 W TC-D (38 W Psys)

LED 14 / 15 W ≈
2 x 18 W TC-D (52 W Psys)

LED 22 W ≈
2 x 26 W TC-D (68 W Psys)



HEMIS®

Ceiling luminaires

ARCHITECTURE

- Glare-free LED ceiling luminaire with optical lens system.
- Compact slim design, total height less than 33 mm.
- Up to 70% energy savings compared to conventional configurations.

LIGHTING DESIGN

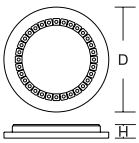
- Thanks to UGR < 22 ideal for corridors, stairways, shops, schools, meeting rooms, rest areas.
- **MultiLumen:** 2 steps adjustable luminous flux.
- Efficiency up to 145 lm/W.
- LED rated life 40000 h (L80/B10).

INSTALLATION

- Easy installation with Plug & Play plug connection.
- Big terminal block; ideal for through-wiring.
- Sealing strip on the back of the luminaire connects seamlessly with the ceiling.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling luminaires | HEMIS round





Type of protection: **IP 40**
Protection class: I
Impact protection: IK06

Base: metal, powder-coated, with bayonet fixing. Housing: plastic (polycarbonate).
Diffuser with optic lenses. Housing and diffuser are screwed together.

Available colour: 2 = white

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling luminaires							**Price Category 11**
Diameter D 300 mm							
312185.002.2	D 300, H 33	830	1200/1850	10/16	120	17,6...19,1	on/off
312185.002.3	D 300, H 33	840	1250/1950	10/16	125	17,9...19,4	on/off
Diameter D 400 mm							
312186.002.2	D 400, H 33	830	2750/3200	22/25	128	19,7...20,2	on/off
312186.002.3	D 400, H 33	840	2850/3350	22/25	134	19,8...20,4	on/off

Comparison
LED vs. conventional lamps

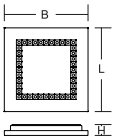
LED 10 W ≈
2 x 13 W TC-D (38 W Psys)

LED 16 W ≈
2 x 18 W TC-D (52 W Psys)

LED 22 W ≈
3 x 18 W TC-D (78 W Psys)
2 x 26 W TC-D (68 W Psys)

LED 25 W ≈
3 x 26 W TC-D (102 W Psys)

Ceiling luminaires | HEMIS square





Type of protection: **IP 40**
Protection class: I
Impact protection: IK06

Base: metal, powder-coated, with bayonet fixing. Housing: plastic (polycarbonate).
Diffuser with optic lenses. Housing and diffuser are screwed together.

Available colour: 2 = white

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling luminaires							**Price Category 11**
Length L 300 x Width B 300 mm							
312188.002.2	L 300, B 300, H 33	830	1400/2200	10/16	140	18,3...19,9	on/off
312188.002.3	L 300, B 300, H 33	840	1450/2300	10/16	145	18,4...20	on/off
Length L 400 x Width B 400 mm							
312189.002.2	L 400, B 400, H 33	830	2800/3250	22/25	130	19,2...19,7	on/off
312189.002.3	L 400, B 400, H 33	840	2900/3400	22/25	136	19,3...19,8	on/off

Comparison
LED vs. conventional lamps

LED 10 W ≈
2 x 13 W TC-D (38 W Psys)

LED 16 W ≈
2 x 18 W TC-D (52 W Psys)

LED 22 W ≈
3 x 18 W TC-D (78 W Psys)
2 x 26 W TC-D (68 W Psys)

LED 25 W ≈
3 x 26 W TC-D (102 W Psys)



The application image shows:
GOLAS

© Linus Lintner


413

414

LEVIDO SWING
412-415


420-422

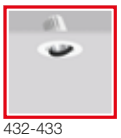
DEECOS R
416-423

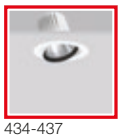

425-428


425-428


425-428

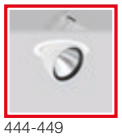
MAGCARDO
416-417 | 424-429


432-433


434-437

RONDOS
416-417 | 430-439


441-443


444-449

GOLAS
416-417 | 440-451


454


455

TX-MOVE
416-417 | 452-455



MultiLumen | DALI | Phase-cut | Plug & Play | IP40

LEVIDO® SWING

Recessed projectors

Architecture

- **Design-oriented:** Decorative recessed projector with dainty dimensions.
- **Versatile:** 2 designs, 2 beam angles, 2 colours.
- **Protected:** Safety glass cover to protect the LED.

LIGHTING DESIGN

- **Efficient:** Alternative for low-voltage 35 W and 50 W.
- **Standard:** MultiLumen - 2-step adjustable luminous flux.
- **Advantageous:** LED rated life 50000 h (L90/B50).
- **Homogenous:** Opal diffuser (PMMA) for uniform, homogenous light distribution are available as accessory items.

INSTALLATION

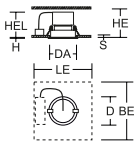
- **Easy installation:** Converter in separate box. Very simple installation with plug-in locking system.
- **Flexible:** Thanks to pivot range ± 25° flexible directing of light.
- **Straightforward:** DALI variants suitable for through wiring as standard.



Further luminaires of this series, see:
Indoor lighting | Recessed downlights

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed projectors | LEVIDO SWING round





Type of protection: IP 20, **IP 40** on room side
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Die-cast aluminium cover, powder-coated. Heat sink die-cast aluminium. Can be swivelled by ± 25°. Reflector: aluminium, highly polished anodised finish. With safety glass. Ceiling installation with spring system. Including separate LED converter with connecting cable 250 mm. DALI variants suitable for through wiring as standard. DALI converter is compatible with DC.

Available colours: 2 = white, 3 = black

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Colour white							**Price Category 21**
Ceiling cut out DA 78 mm							
Medium beam light distribution							
901835.002.2	D 91, H 2, HE 80	827	650/1000	7,5/12	87	23	Phase-cut
901835.002.2.76	D 91, H 2, HE 80	827	650/1000	7,5/12	87	23	DALI
901835.002	D 91, H 2, HE 80	830	710/1100	7,5/12	95	23	Phase-cut
901835.002.76	D 91, H 2, HE 80	830	710/1100	7,5/12	95	23	DALI
901835.002.1	D 91, H 2, HE 80	840	710/1100	7,5/12	95	23	Phase-cut
901835.002.1.76	D 91, H 2, HE 80	840	710/1100	7,5/12	95	23	DALI
Wide beam light distribution							
901836.002.2	D 91, H 2, HE 80	827	670/1050	7,5/12	89	54	Phase-cut
901836.002.2.76	D 91, H 2, HE 80	827	670/1050	7,5/12	89	54	DALI
901836.002	D 91, H 2, HE 80	830	730/1150	7,5/12	97	54	Phase-cut
901836.002.76	D 91, H 2, HE 80	830	730/1150	7,5/12	97	54	DALI
901836.002.1	D 91, H 2, HE 80	840	750/1150	7,5/12	100	54	Phase-cut
901836.002.1.76	D 91, H 2, HE 80	840	750/1150	7,5/12	100	54	DALI

Comparison
LED vs. conventional lamps

LED 7,5 W ≈
1 x 35 W QR-CB (39 W Psys)

LED 12 W ≈
1 x 50 W QR51 (55 W Psys)



Recessed projectors - Colour black							**Price Category 21**
Ceiling cut out DA 78 mm							
Medium beam light distribution							
901835.003.2	D 91, H 2, HE 80	827	600/930	7,5/12	80	23	Phase-cut
901835.003.2.76	D 91, H 2, HE 80	827	600/930	7,5/12	80	23	DALI
901835.003	D 91, H 2, HE 80	830	650/1000	7,5/12	87	23	Phase-cut
901835.003.76	D 91, H 2, HE 80	830	650/1000	7,5/12	87	23	DALI
901835.003.1	D 91, H 2, HE 80	840	670/1050	7,5/12	89	23	Phase-cut
901835.003.1.76	D 91, H 2, HE 80	840	670/1050	7,5/12	89	23	DALI
Wide beam light distribution							
901836.003.2	D 91, H 2, HE 80	827	640/990	7,5/12	85	54	Phase-cut
901836.003.2.76	D 91, H 2, HE 80	827	640/990	7,5/12	85	54	DALI
901836.003	D 91, H 2, HE 80	830	690/1050	7,5/12	92	54	Phase-cut
901836.003.76	D 91, H 2, HE 80	830	690/1050	7,5/12	92	54	DALI
901836.003.1	D 91, H 2, HE 80	840	710/1100	7,5/12	95	54	Phase-cut
901836.003.1.76	D 91, H 2, HE 80	840	710/1100	7,5/12	95	54	DALI

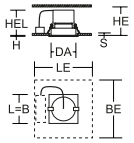
Cover: plastic, opal			**Price Category 21**
982184.002	D 45, H 2	Opal plastic cover (PMMA); can be fitted without tools.	



Compensating rings available for various ceiling cut outs!



Recessed projectors | LEVIDO SWING square



Type of protection: IP 20, **IP 40** on room side
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Die-cast aluminium cover, powder-coated. Heat sink die-cast aluminium. Can be swivelled by ± 25°. Reflector: aluminium, highly polished anodised finish. With safety glass. Ceiling installation with spring system. Including separate LED converter with connecting cable 250 mm. DALI variants suitable for through wiring as standard. DALI converter is compatible with DC.

Available colours: 2 = white, 3 = black

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Comparison
LED vs. conventional lamps

LED 7,5 W ≈
1 x 35 W QR-CB (39 W Psys)

LED 12 W ≈
1 x 50 W QR51 (55 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Colour white							**Price Category 21**
Ceiling cut out DA 82 mm							
Medium beam light distribution							
901837.002.2	L 98, B 98, H 2, HE 80	827	650/1000	7,5/12	87	23	Phase-cut
901837.002.2.76	L 98, B 98, H 2, HE 80	827	650/1000	7,5/12	87	23	DALI
901837.002	L 98, B 98, H 2, HE 80	830	710/1100	7,5/12	95	23	Phase-cut
901837.002.76	L 98, B 98, H 2, HE 80	830	710/1100	7,5/12	95	23	DALI
901837.002.1	L 98, B 98, H 2, HE 80	840	710/1100	7,5/12	95	23	Phase-cut
901837.002.1.76	L 98, B 98, H 2, HE 80	840	710/1100	7,5/12	95	23	DALI
Wide beam light distribution							
901838.002.2	L 98, B 98, H 2, HE 80	827	670/1050	7,5/12	89	54	Phase-cut
901838.002.2.76	L 98, B 98, H 2, HE 80	827	670/1050	7,5/12	89	54	DALI
901838.002	L 98, B 98, H 2, HE 80	830	730/1150	7,5/12	97	54	Phase-cut
901838.002.76	L 98, B 98, H 2, HE 80	830	730/1150	7,5/12	97	54	DALI
901838.002.1	L 98, B 98, H 2, HE 80	840	750/1150	7,5/12	100	54	Phase-cut
901838.002.1.76	L 98, B 98, H 2, HE 80	840	750/1150	7,5/12	100	54	DALI



Recessed projectors - Colour black							**Price Category 21**
Ceiling cut out DA 82 mm							
Medium beam light distribution							
901837.003.2	L 98, B 98, H 2, HE 80	827	600/930	7,5/12	80	23	Phase-cut
901837.003.2.76	L 98, B 98, H 2, HE 80	827	600/930	7,5/12	80	23	DALI
901837.003	L 98, B 98, H 2, HE 80	830	650/1000	7,5/12	87	23	Phase-cut
901837.003.76	L 98, B 98, H 2, HE 80	830	650/1000	7,5/12	87	23	DALI
901837.003.1	L 98, B 98, H 2, HE 80	840	670/1050	7,5/12	89	23	Phase-cut
901837.003.1.76	L 98, B 98, H 2, HE 80	840	670/1050	7,5/12	89	23	DALI
Wide beam light distribution							
901838.003.2	L 98, B 98, H 2, HE 80	827	640/990	7,5/12	85	54	Phase-cut
901838.003.2.76	L 98, B 98, H 2, HE 80	827	640/990	7,5/12	85	54	DALI
901838.003	L 98, B 98, H 2, HE 80	830	690/1050	7,5/12	92	54	Phase-cut
901838.003.76	L 98, B 98, H 2, HE 80	830	690/1050	7,5/12	92	54	DALI
901838.003.1	L 98, B 98, H 2, HE 80	840	710/1100	7,5/12	95	54	Phase-cut
901838.003.1.76	L 98, B 98, H 2, HE 80	840	710/1100	7,5/12	95	54	DALI

Cover: plastic, opal			**Price Category 21**
982184.002	D 45, H 2	Opal plastic cover (PMMA); can be fitted without tools.	



Compensating rings available for various ceiling cut outs!

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



© Linus Lintner

The application image shows:
LEVIDO SWING

Exchangeable-Optical-System

Everything at a glance

Depending on the requirements, the Exchangeable-Optical-System allows you to choose between the reflector/lens or change/replace it without tools later on.

MIRO-SILVER® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone. In addition, opal decorative glasses are available as accessories for a diffuse spatial appearance.

- 20 different housings
- 5 different types of luminaires (pendant spotlight, recessed downlight, surface-mounted downlight, recessed spotlight, surface-mounted spotlights)
- 3 sizes (micro, mini and maxi)
- 2 optical systems (reflector and lens)
- 7 different light colours (927, 930, 935, 940, fresh meat, meat +, bakery)
- 4 different beam angles with reflector
- 5 different beam angles with lens
- Additional Superspot versions
- Replaceable without tools



Environmentally friendly and resource-saving due to replaceable components.



Thermo-resistant plastic ring black for lateral glare control or optional white.



Additional superspot version with lens or reflector.



superspot

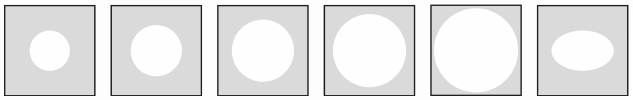
Optical system reflector MIRO-SILVER® for excellent efficiency.



spot | medium | flood | wide flood | extra wide flood



Optic system lens polycarbonate for best homogeneity of the light cone.

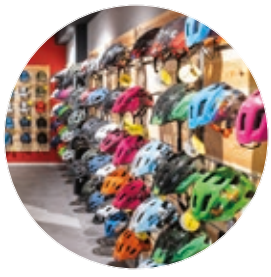


spot | medium | flood | wide flood | extra wide flood | korridor oval

7 light colours



927



930



935



940



meat+

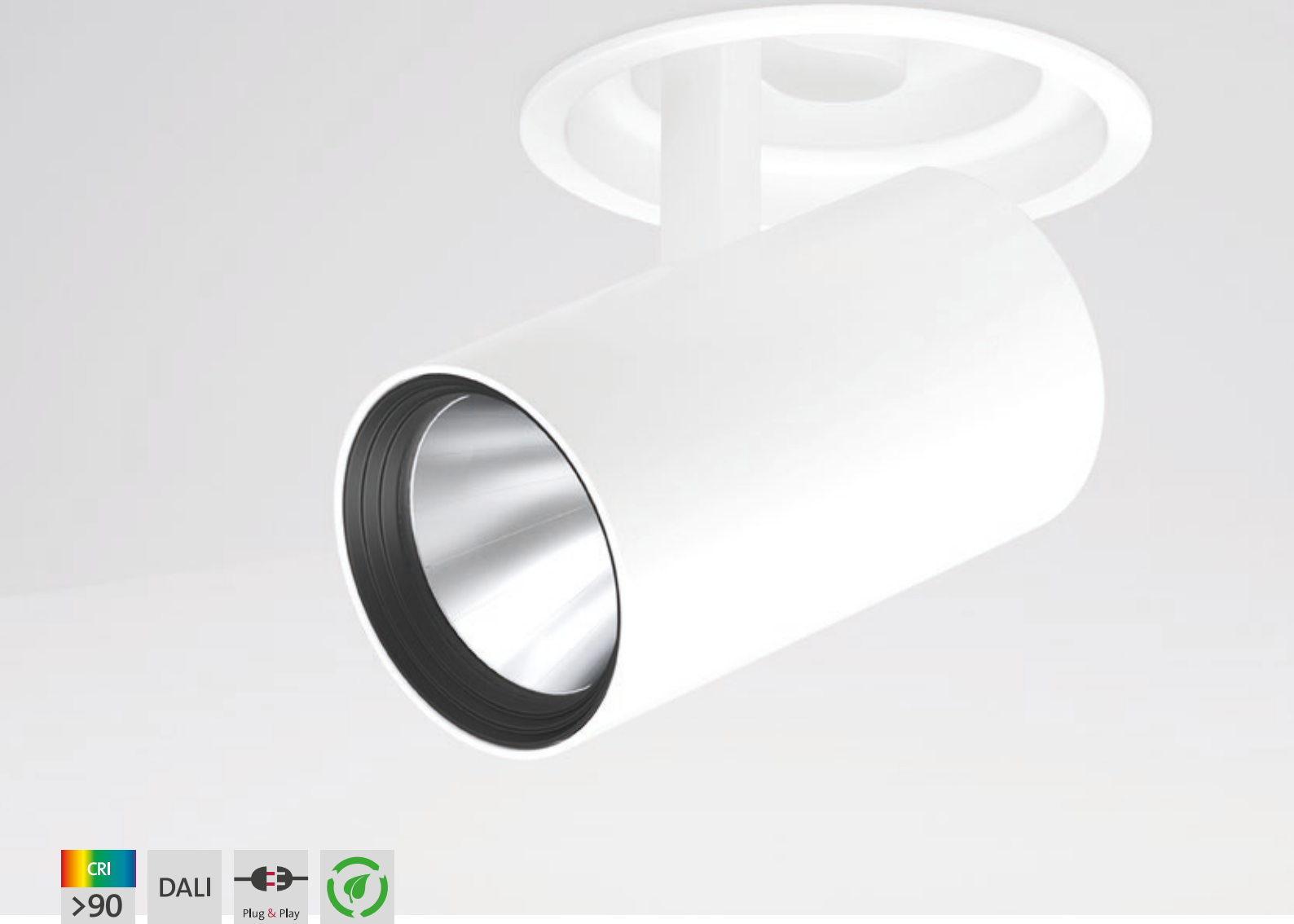


fresh meat



bakery

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°



CRI >90 | DALI | Plug & Play

DEECOS R

Recessed projectors

ARCHITECTURE

- **Design-oriented:** Cylindrical shape with no visible cooling fins.
- **Variable:** MIRO-SILVER® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone.
- **Long service life:** Housing made of top quality die-cast aluminium.
- **Interchangeable:** 8 interchangeable lenses with different beam angles.
- **Individual:** Additional Superspot versions.
- **Clever:** Inner cover prevents view into the false ceiling.





Further luminaires of this series, see:

Indoor lighting | Pendant luminaires
Indoor lighting | Surface mounted projectors

LIGHTING DESIGN

- **Standard:** Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality.
- **Anti-glare:** Black plastic ring and recessed LED to prevent glare from the side.
- **Versatile:** 4 different light colors with CRI >90 available as standard.
- **True colours:** CRI >90 for the most realistic possible perception of colours of surroundings, obects and people.
- **Advantageous:** LED rated life 50000 h (L90/B10).
- **Optimum:** Colour tolerance within 2-steps MacAdam (2 SDCM).

INSTALLATION

- **Flexible:** Can be extended and retracted so that it is flush with the ceiling, turns by 356° and swivels by 90° for maximum flexibility in adjustment.
- **Easy installation:** Converter in separate box. Very simple installation with plug-in locking system.
- **Straightforward:** Suitable for through-wiring with separately available accessories.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.
- **Extensive:** The following accessories can be mounted without use of tools: interchangeable lenses, decorative glasses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



© Linus Lhitner

The application image shows:
DEECOS R

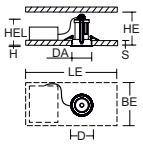


Comparison LED vs. conventional lamps

LED 20 W ≈
1 x 35 W HIT (43 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)

Recessed projectors | DEECOS R - Optic reflector



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Can be swivelled flush with the ceiling. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With MIRO-SILVER® reflector. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Reflector spot							**Price Category 21**
Ceiling cut out DA 133 mm							
911495.00X	D 143, H 3, HE 210	930	2450	20	123	18	on/off
911495.00X.76	D 143, H 3, HE 210	930	2450	20	123	18	DALI
911495.00X.1	D 143, H 3, HE 210	940	2550	20	128	18	on/off
911495.00X.1.76	D 143, H 3, HE 210	940	2550	20	128	18	DALI
911503.00X	D 143, H 3, HE 210	930	3500	29	121	18	on/off
911503.00X.76	D 143, H 3, HE 210	930	3500	29	121	18	DALI
911503.00X.1	D 143, H 3, HE 210	940	3550	29	122	18	on/off
911503.00X.1.76	D 143, H 3, HE 210	940	3550	29	122	18	DALI
Recessed projectors - Reflector medium							**Price Category 21**
Ceiling cut out DA 133 mm							
911496.00X	D 143, H 3, HE 210	930	2400	20	120	31	on/off
911496.00X.76	D 143, H 3, HE 210	930	2400	20	120	31	DALI
911496.00X.1	D 143, H 3, HE 210	940	2450	20	123	31	on/off
911496.00X.1.76	D 143, H 3, HE 210	940	2450	20	123	31	DALI
911504.00X	D 143, H 3, HE 210	930	3350	29	116	31	on/off
911504.00X.76	D 143, H 3, HE 210	930	3350	29	116	31	DALI
911504.00X.1	D 143, H 3, HE 210	940	3500	29	121	31	on/off
911504.00X.1.76	D 143, H 3, HE 210	940	3500	29	121	31	DALI
Recessed projectors - Reflector wide flood							**Price Category 21**
Ceiling cut out DA 133 mm							
911497.00X	D 143, H 3, HE 210	930	2450	20	123	60	on/off
911497.00X.76	D 143, H 3, HE 210	930	2450	20	123	60	DALI
911497.00X.1	D 143, H 3, HE 210	940	2550	20	128	60	on/off
911497.00X.1.76	D 143, H 3, HE 210	940	2550	20	128	60	DALI
911505.00X	D 143, H 3, HE 210	930	3500	29	121	60	on/off
911505.00X.76	D 143, H 3, HE 210	930	3500	29	121	60	DALI
911505.00X.1	D 143, H 3, HE 210	940	3650	29	126	60	on/off
911505.00X.1.76	D 143, H 3, HE 210	940	3650	29	126	60	DALI

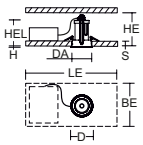


Comparison LED vs. conventional lamps

LED 20 W ≈
1 x 35 W HIT (43 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)

Recessed projectors | DEECOS R - Oval corridor optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Can be swivelled flush with the ceiling. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly polycarbonate lens. Oval light distribution for corridor. Including separate LED converter with connecting cable 600 mm.

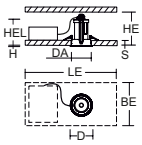
Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Oval corridor lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911502.00X	D 143, H 3, HE 210	930	1850	20	93	40/28	on/off
911502.00X.76	D 143, H 3, HE 210	930	1850	20	93	40/28	DALI
911502.00X.1	D 143, H 3, HE 210	940	1950	20	98	40/28	on/off
911502.00X.1.76	D 143, H 3, HE 210	940	1950	20	98	40/28	DALI
911510.00X	D 143, H 3, HE 210	930	2650	29	91	40/28	on/off
911510.00X.76	D 143, H 3, HE 210	930	2650	29	91	40/28	DALI
911510.00X.1	D 143, H 3, HE 210	940	2750	29	95	40/28	on/off
911510.00X.1.76	D 143, H 3, HE 210	940	2750	29	95	40/28	DALI

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed projectors | DEECOS R - Optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Can be swivelled flush with the ceiling. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly polycarbonate lens. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com



Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 W HIT (43 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Spot lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911498.00X	D 143, H 3, HE 210	930	2150	20	108	20	on/off
911498.00X.76	D 143, H 3, HE 210	930	2150	20	108	20	DALI
911498.00X.1	D 143, H 3, HE 210	940	2250	20	113	20	on/off
911498.00X.1.76	D 143, H 3, HE 210	940	2250	20	113	20	DALI
911506.00X	D 143, H 3, HE 210	930	3050	29	105	20	on/off
911506.00X.76	D 143, H 3, HE 210	930	3050	29	105	20	DALI
911506.00X.1	D 143, H 3, HE 210	940	3200	29	110	20	on/off
911506.00X.1.76	D 143, H 3, HE 210	940	3200	29	110	20	DALI
Recessed projectors - Medium lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911499.00X	D 143, H 3, HE 210	930	2050	20	103	31	on/off
911499.00X.76	D 143, H 3, HE 210	930	2050	20	103	31	DALI
911499.00X.1	D 143, H 3, HE 210	940	2100	20	105	31	on/off
911499.00X.1.76	D 143, H 3, HE 210	940	2100	20	105	31	DALI
911507.00X	D 143, H 3, HE 210	930	2900	29	100	31	on/off
911507.00X.76	D 143, H 3, HE 210	930	2900	29	100	31	DALI
911507.00X.1	D 143, H 3, HE 210	940	3050	29	105	31	on/off
911507.00X.1.76	D 143, H 3, HE 210	940	3050	29	105	31	DALI
Recessed projectors - Flood lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911500.00X	D 143, H 3, HE 210	930	1900	20	95	44	on/off
911500.00X.76	D 143, H 3, HE 210	930	1900	20	95	44	DALI
911500.00X.1	D 143, H 3, HE 210	940	2000	20	100	44	on/off
911500.00X.1.76	D 143, H 3, HE 210	940	2000	20	100	44	DALI
911508.00X	D 143, H 3, HE 210	930	2750	29	95	44	on/off
911508.00X.76	D 143, H 3, HE 210	930	2750	29	95	44	DALI
911508.00X.1	D 143, H 3, HE 210	940	2850	29	98	44	on/off
911508.00X.1.76	D 143, H 3, HE 210	940	2850	29	98	44	DALI
Recessed projectors - Extra wide flood lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911501.00X	D 143, H 3, HE 210	930	2200	20	110	72	on/off
911501.00X.76	D 143, H 3, HE 210	930	2200	20	110	72	DALI
911501.00X.1	D 143, H 3, HE 210	940	2300	20	115	72	on/off
911501.00X.1.76	D 143, H 3, HE 210	940	2300	20	115	72	DALI
911509.00X	D 143, H 3, HE 210	930	3100	29	107	72	on/off
911509.00X.76	D 143, H 3, HE 210	930	3100	29	107	72	DALI
911509.00X.1	D 143, H 3, HE 210	940	3250	29	112	72	on/off
911509.00X.1.76	D 143, H 3, HE 210	940	3250	29	112	72	DALI

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°









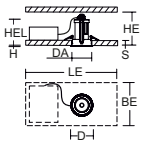

Accessories: Page 423



Comparison
LED vs. conventional lamps

LED 22 W ≈
1 x 35 W HIT (43 W Psys)

Recessed projectors | DEECOS R - Superspot optic reflector



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Can be swivelled flush with the ceiling. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With MIRO-SILVER® reflector. Superspot version with small spot LED. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

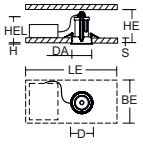
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Reflector superspot							**Price Category 21**
Ceiling cut out DA 133 mm							
911493.00X	D 143, H 3, HE 210	930	2150	22	98	13	on/off
911493.00X.76	D 143, H 3, HE 210	930	2150	22	98	13	DALI
911493.00X.1	D 143, H 3, HE 210	940	2350	22	107	13	on/off
911493.00X.1.76	D 143, H 3, HE 210	940	2350	22	107	13	DALI



Comparison
LED vs. conventional lamps

LED 22 W ≈
1 x 35 W HIT (43 W Psys)

Recessed projectors | DEECOS R - Superspot optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Can be swivelled flush with the ceiling. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly polycarbonate lens. Superspot version with small spot LED. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Superspot lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911494.00X	D 143, H 3, HE 210	930	1900	22	86	15	on/off
911494.00X.76	D 143, H 3, HE 210	930	1900	22	86	15	DALI
911494.00X.1	D 143, H 3, HE 210	940	2100	22	95	15	on/off
911494.00X.1.76	D 143, H 3, HE 210	940	2100	22	95	15	DALI








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Accessories | DEECOS R



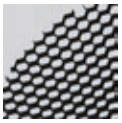
Diffuser			Price Category 21
982370.000	D 74, H 3	Safety glass, clear.	
982370.010	D 74, H 3	Safety glass, satin finish.	



Decorative glasses			Price Category 21
982647.002	D 87, H 41	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	
982648.002	D 87, H 76	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	



Anti-glare honeycomb louvre			Price Category 21
982371.003	D 74, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982419.002	D 82, H 20	White plastic ring for reflector.	
982421.002	D 82, H 31	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982368.003	D 82, H 55	Reflector spot, narrow beam	
982368.013	D 82, H 55	Reflector medium, medium beam	
982368.023	D 82, H 55	Reflector flood, wide beam	
982368.033	D 82, H 55	Reflector wide flood, very wide beam	
982369.003	D 82, H 55	Spot lens , narrow beam	
982369.013	D 82, H 55	Medium lens, medium beam	
982369.023	D 82, H 55	Flood lens, wide beam	
982369.033	D 82, H 55	Extra wide flood lens, extremly wide beam	
982369.043	D 82, H 55	Lens with oval light distribution for corridor	



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

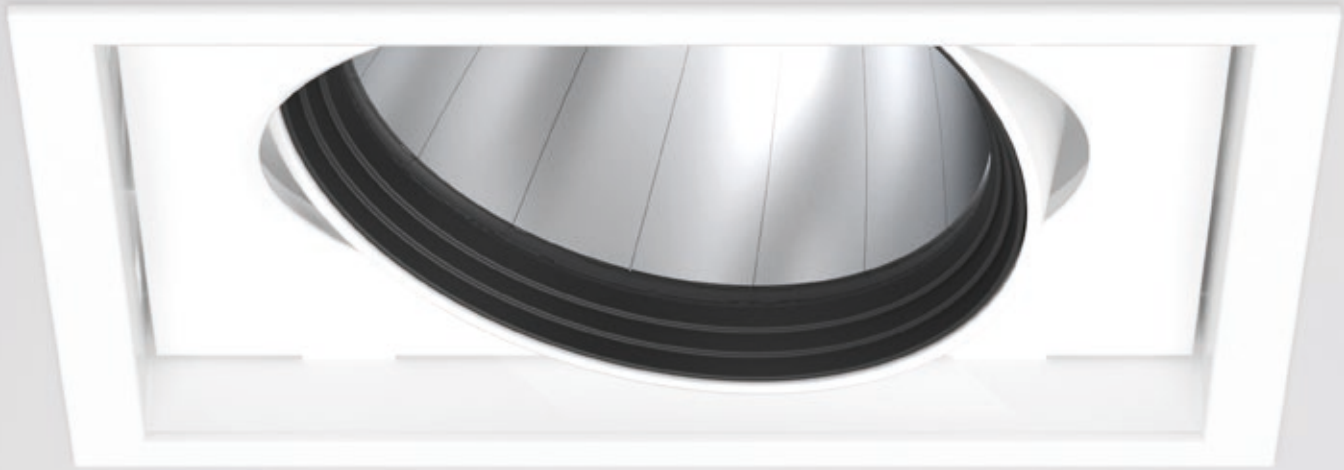
Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm^2 or 3 x 2.5 mm^2 possible.	





Compensating rings available for various ceiling cut outs!

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°



MAGCARDO

Recessed projectors

ARCHITECTURE

- **Modular:** Flexible combination of luminaire head and recessed mounting frame.
- **Variable:** MIRO-SILVER® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone.
- **Long service life:** Housing made of top quality die-cast aluminium.
- **Interchangeable:** 8 interchangeable lenses with different beam angles.
- **Clever:** Inner cover prevents view into the false ceiling.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

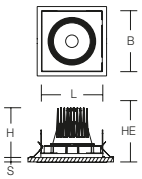
- **Standard:** Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality.
- **Anti-glare:** Black plastic ring and recessed LED to prevent glare from the side.
- **Versatile:** 7 different light colors with CRI >90 and special Food-LEDs available as standard.
- **True colours:** CRI >90 for the most realistic possible perception of colours of surroundings, obects and people.
- **Advantageous:** LED rated life 50000 h (L90/B10).
- **Optimum:** Colour tolerance within 2-steps MacAdam (2 SDCM).

INSTALLATION

- **Straightforward:** Magnetic click locking mechanism for quick and convenient installation without tools: insert the recessed frame (1, 2 or 3-lamp) with clamp fastener (no tools required), push the luminaire head with the base plate into the recessed frame and fix magnetically.
- **Flexible:** Flexible adjustment, can be turned by 356° and swivelled by ± 35°.
- **Easy installation:** Converter in separate box. Very simple installation with plug-in locking system.
- **Expandable:** Suitable for through-wiring with separately available accessories.
- **Extensive:** The following accessories can be mounted without use of tools: interchangeable lenses, decorative glasses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed projectors | MAGCARDO maxi - Optic reflector





Type of protection: IP 20
Protection class: II
Ceiling thickness S: 6-30 mm
Impact protection: IK03

Luminaire top: die-cast aluminium, powder-coated. Recessed mounting frame: sheet steel, powder-coated. Rotation range 356° and swivel range ± 35°. Heat resistant plastic ring black. With MIRO-SILVER® reflector. Including separate LED converter with connecting cable 600 mm.

Modular design: recessed mounting frame must be ordered separately!

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Reflector spot							**Price Category 21**
722186.00X	L 172, B 167, H 137, HE 155	930	3050	25	122	12	on/off
722186.00X.76	L 172, B 167, H 137, HE 155	930	3050	25	122	12	DALI
722186.00X.1	L 172, B 167, H 137, HE 155	940	3200	25	128	12	on/off
722186.00X.1.76	L 172, B 167, H 137, HE 155	940	3200	25	128	12	DALI
722193.00X	L 172, B 167, H 137, HE 155	930	4000	35	114	12	on/off
722193.00X.76	L 172, B 167, H 137, HE 155	930	4000	35	114	12	DALI
722193.00X.1	L 172, B 167, H 137, HE 155	940	4200	35	120	12	on/off
722193.00X.1.76	L 172, B 167, H 137, HE 155	940	4200	35	120	12	DALI
Recessed projectors - Reflector medium							**Price Category 21**
722187.00X	L 172, B 167, H 137, HE 155	930	3150	25	126	21	on/off
722187.00X.76	L 172, B 167, H 137, HE 155	930	3150	25	126	21	DALI
722187.00X.1	L 172, B 167, H 137, HE 155	940	3300	25	132	21	on/off
722187.00X.1.76	L 172, B 167, H 137, HE 155	940	3300	25	132	21	DALI
722194.00X	L 172, B 167, H 137, HE 155	930	4200	35	120	21	on/off
722194.00X.76	L 172, B 167, H 137, HE 155	930	4200	35	120	21	DALI
722194.00X.1	L 172, B 167, H 137, HE 155	940	4300	35	123	21	on/off
722194.00X.1.76	L 172, B 167, H 137, HE 155	940	4300	35	123	21	DALI
Recessed projectors - Reflector flood							**Price Category 21**
722188.00X	L 172, B 167, H 137, HE 155	930	3150	25	126	33	on/off
722188.00X.76	L 172, B 167, H 137, HE 155	930	3150	25	126	33	DALI
722188.00X.1	L 172, B 167, H 137, HE 155	940	3350	25	134	33	on/off
722188.00X.1.76	L 172, B 167, H 137, HE 155	940	3350	25	134	33	DALI
722195.00X	L 172, B 167, H 137, HE 155	930	4200	35	120	33	on/off
722195.00X.76	L 172, B 167, H 137, HE 155	930	4200	35	120	33	DALI
722195.00X.1	L 172, B 167, H 137, HE 155	940	4350	35	124	33	on/off
722195.00X.1.76	L 172, B 167, H 137, HE 155	940	4350	35	124	33	DALI
Recessed projectors - Reflector wide flood							**Price Category 21**
722189.00X	L 172, B 167, H 137, HE 155	930	3050	25	122	65	on/off
722189.00X.76	L 172, B 167, H 137, HE 155	930	3050	25	122	65	DALI
722189.00X.1	L 172, B 167, H 137, HE 155	940	3200	25	128	65	on/off
722189.00X.1.76	L 172, B 167, H 137, HE 155	940	3200	25	128	65	DALI
722196.00X	L 172, B 167, H 137, HE 155	930	3950	35	113	65	on/off
722196.00X.76	L 172, B 167, H 137, HE 155	930	3950	35	113	65	DALI
722196.00X.1	L 172, B 167, H 137, HE 155	940	4200	35	120	65	on/off
722196.00X.1.76	L 172, B 167, H 137, HE 155	940	4200	35	120	65	DALI

Comparison
LED vs. conventional lamps

LED 25 W ≈
1 x 35 W HIT (43 W Psys)

LED 35 W ≈
1 x 50 W HIT (56 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°

Modules | Magcardo recessed mounting frame
Recessed mounting frame made of sheet stell, powder-coated. Installation without tools thanks to spring fastening system.

Recessed mounting frame			Price Category 21
982431.00X	L 194, B 194, H 2, HE 75	one lamp, ceiling cut out LA 180 x BA 180 mm	
982432.00X	L 362, B 194, H 2, HE 75	two lamps, ceiling cut out LA 348 x BA 180 mm	
982433.00X	L 530, B 194, H 2, HE 75	three lamps, ceiling cut out LA 516 x BA 180 mm	







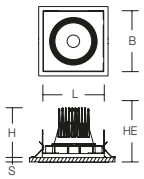




Accessories:
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Recessed projectors | MAGCARDO maxi - Optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 6-30 mm
Impact protection: IK03

Luminaire top: die-cast aluminium, powder-coated. Recessed mounting frame: sheet steel, powder-coated. Rotation range 356° and swivel range ± 35°. Heat resistant plastic ring black. With optical assembly polycarbonate lens. Including separate LED converter with connecting cable 600 mm.

Modular design: recessed frame must be ordered separately!

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Comparison LED vs. conventional lamps

LED 25 W ≈
1 x 35 W HIT (43 W Psys)

LED 35 W ≈
1 x 50 W HIT (56 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Spot lens							**Price Category 21**
722190.00X	L 172, B 167, H 137, HE 155	930	2700	25	108	13	on/off
722190.00X.76	L 172, B 167, H 137, HE 155	930	2700	25	108	13	DALI
722190.00X.1	L 172, B 167, H 137, HE 155	940	2800	25	112	13	on/off
722190.00X.1.76	L 172, B 167, H 137, HE 155	940	2800	25	112	13	DALI
722197.00X	L 172, B 167, H 137, HE 155	930	3500	35	100	13	on/off
722197.00X.76	L 172, B 167, H 137, HE 155	930	3500	35	100	13	DALI
722197.00X.1	L 172, B 167, H 137, HE 155	940	3700	35	106	13	on/off
722197.00X.1.76	L 172, B 167, H 137, HE 155	940	3700	35	106	13	DALI
Recessed projectors - Medium lens							**Price Category 21**
722191.00X	L 172, B 167, H 137, HE 155	930	2600	25	104	31	on/off
722191.00X.76	L 172, B 167, H 137, HE 155	930	2600	25	104	31	DALI
722191.00X.1	L 172, B 167, H 137, HE 155	940	2700	25	108	31	on/off
722191.00X.1.76	L 172, B 167, H 137, HE 155	940	2700	25	108	31	DALI
722198.00X	L 172, B 167, H 137, HE 155	930	3400	35	97	31	on/off
722198.00X.76	L 172, B 167, H 137, HE 155	930	3400	35	97	31	DALI
722198.00X.1	L 172, B 167, H 137, HE 155	940	3550	35	101	31	on/off
722198.00X.1.76	L 172, B 167, H 137, HE 155	940	3550	35	101	31	DALI
Recessed projectors - Flood lens							**Price Category 21**
722192.00X	L 172, B 167, H 137, HE 155	930	2650	25	106	42	on/off
722192.00X.76	L 172, B 167, H 137, HE 155	930	2650	25	106	42	DALI
722192.00X.1	L 172, B 167, H 137, HE 155	940	2800	25	112	42	on/off
722192.00X.1.76	L 172, B 167, H 137, HE 155	940	2800	25	112	42	DALI
722199.00X	L 172, B 167, H 137, HE 155	930	3450	35	99	42	on/off
722199.00X.76	L 172, B 167, H 137, HE 155	930	3450	35	99	42	DALI
722199.00X.1	L 172, B 167, H 137, HE 155	940	3650	35	104	42	on/off
722199.00X.1.76	L 172, B 167, H 137, HE 155	940	3650	35	104	42	DALI



Recessed mounting frame			Price Category 21
982431.00X	L 194, B 194, H 2, HE 75	one lamp, Ceiling cut out LA 180 x BA 180 mm	
982432.00X	L 362, B 194, H 2, HE 75	two lamps, Ceiling cut out LA 348 x BA 180 mm	
982433.00X	L 530, B 194, H 2, HE 75	three lamps, Ceiling cut out LA 516 x BA 180 mm	





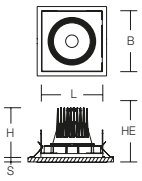




Accessories: Page 429

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Recessed projectors | MAGCARDO maxi - Food optic reflector





Type of protection: IP 20
Protection class: II
Ceiling thickness S: 6-30 mm
Impact protection: IK03

Luminaire top: die-cast aluminium, powder-coated. Recessed mounting frame: sheet steel, powder-coated. Rotation range 356° and swivel range ± 35°. Heat resistant plastic ring black. With MIRO-SILVER® reflector and special food LED. Including separate LED converter with connecting cable 600 mm.

Modular design: recessed frame must be ordered separately!

Available colours (X): 2 = white, 3 = black, 4 = silver

Food LED light colours show food in its best light:

- **bakery** (golden yellow): Baked goods look fresher and the colours are more intense
- **fresh meat** (reddish white): Fresh presentation of sausages and meat, white parts remain white
- **meat +** (intense red): The red colour of sausages and meat is highlighted

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Reflector spot							**Price Category 21**
722214.00X.2	L 172, B 167, H 137, HE 155	bakery	3300	33	100	17	on/off
722214.00X.2.76	L 172, B 167, H 137, HE 155	bakery	3300	33	100	17	DALI
722200.00X	L 172, B 167, H 137, HE 155	fresh meat	2100	33	64	17	on/off
722200.00X.76	L 172, B 167, H 137, HE 155	fresh meat	2100	33	64	17	DALI
722207.00X	L 172, B 167, H 137, HE 155	meat +	2200	33	67	17	on/off
722207.00X.76	L 172, B 167, H 137, HE 155	meat +	2200	33	67	17	DALI
Recessed projectors - Reflector medium							**Price Category 21**
722215.00X.2	L 172, B 167, H 137, HE 155	bakery	3400	33	103	23	on/off
722215.00X.2.76	L 172, B 167, H 137, HE 155	bakery	3400	33	103	23	DALI
722201.00X	L 172, B 167, H 137, HE 155	fresh meat	2150	33	65	23	on/off
722201.00X.76	L 172, B 167, H 137, HE 155	fresh meat	2150	33	65	23	DALI
722208.00X	L 172, B 167, H 137, HE 155	meat +	2250	33	68	23	on/off
722208.00X.76	L 172, B 167, H 137, HE 155	meat +	2250	33	68	23	DALI
Recessed projectors - Reflector flood							**Price Category 21**
722216.00X.2	L 172, B 167, H 137, HE 155	bakery	3450	33	105	33	on/off
722216.00X.2.76	L 172, B 167, H 137, HE 155	bakery	3450	33	105	33	DALI
722202.00X	L 172, B 167, H 137, HE 155	fresh meat	2150	33	65	33	on/off
722202.00X.76	L 172, B 167, H 137, HE 155	fresh meat	2150	33	65	33	DALI
722209.00X	L 172, B 167, H 137, HE 155	meat +	2250	33	68	33	on/off
722209.00X.76	L 172, B 167, H 137, HE 155	meat +	2250	33	68	33	DALI
Recessed projectors - Reflector wide flood							**Price Category 21**
722217.00X.2	L 172, B 167, H 137, HE 155	bakery	3300	33	100	67	on/off
722217.00X.2.76	L 172, B 167, H 137, HE 155	bakery	3300	33	100	67	DALI
722203.00X	L 172, B 167, H 137, HE 155	fresh meat	2050	33	62	67	on/off
722203.00X.76	L 172, B 167, H 137, HE 155	fresh meat	2050	33	62	67	DALI
722210.00X	L 172, B 167, H 137, HE 155	meat +	2150	33	65	67	on/off
722210.00X.76	L 172, B 167, H 137, HE 155	meat +	2150	33	65	67	DALI

Recessed mounting frame			**Price Category 21**
982431.00X	L 194, B 194, H 2, HE 75	one lamp, Ceiling cut out LA 180 x BA 180 mm	
982432.00X	L 362, B 194, H 2, HE 75	two lamps, Ceiling cut out LA 348 x BA 180 mm	
982433.00X	L 530, B 194, H 2, HE 75	three lamps, Ceiling cut out LA 516 x BA 180 mm	





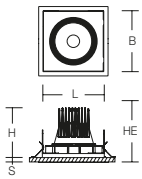








Recessed projectors | MAGCARDO maxi - Food optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 6-30 mm
Impact protection: IK03

Luminaire top: die-cast aluminium, powder-coated. Recessed mounting frame: sheet steel, powder-coated. Rotation range 356° and swivel range ± 35°. Heat resistant plastic ring black. With optical assembly polycarbonate lens and special food LED. Including separate LED converter with connecting cable 600 mm.

Modular design: recessed frame must be ordered separately!

Available colours (X): 2 = white, 3 = black, 4 = silver

Food LED light colours show food in its best light:

- **bakery** (golden yellow): Baked goods look fresher and the colours are more intense
- **fresh meat** (reddish white): Fresh presentation of sausages and meat, white parts remain white
- **meat +** (intense red): The red colour of sausages and meat is highlighted

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Spot lens							**Price Category 21**
722218.00X.2	L 172, B 167, H 137, HE 155	bakery	2950	33	89	17	on/off
722218.00X.2.76	L 172, B 167, H 137, HE 155	bakery	2950	33	89	17	DALI
722204.00X	L 172, B 167, H 137, HE 155	fresh meat	1800	33	55	17	on/off
722204.00X.76	L 172, B 167, H 137, HE 155	fresh meat	1800	33	55	17	DALI
722211.00X	L 172, B 167, H 137, HE 155	meat +	1900	33	58	17	on/off
722211.00X.76	L 172, B 167, H 137, HE 155	meat +	1900	33	58	17	DALI
Recessed projectors - Medium lens							**Price Category 21**
722219.00X.2	L 172, B 167, H 137, HE 155	bakery	2850	33	86	35	on/off
722219.00X.2.76	L 172, B 167, H 137, HE 155	bakery	2850	33	86	35	DALI
722205.00X	L 172, B 167, H 137, HE 155	fresh meat	1750	33	53	35	on/off
722205.00X.76	L 172, B 167, H 137, HE 155	fresh meat	1750	33	53	35	DALI
722212.00X	L 172, B 167, H 137, HE 155	meat +	1850	33	56	35	on/off
722212.00X.76	L 172, B 167, H 137, HE 155	meat +	1850	33	56	35	DALI
Recessed projectors - Flood lens							**Price Category 21**
722220.00X.2	L 172, B 167, H 137, HE 155	bakery	2900	33	88	44	on/off
722220.00X.2.76	L 172, B 167, H 137, HE 155	bakery	2900	33	88	44	DALI
722206.00X	L 172, B 167, H 137, HE 155	fresh meat	1800	33	55	44	on/off
722206.00X.76	L 172, B 167, H 137, HE 155	fresh meat	1800	33	55	44	DALI
722213.00X	L 172, B 167, H 137, HE 155	meat +	1900	33	58	44	on/off
722213.00X.76	L 172, B 167, H 137, HE 155	meat +	1900	33	58	44	DALI



Recessed mounting frame			Price Category 21
982431.00X	L 194, B 194, H 2, HE 75	one lamp, Ceiling cut out LA 180 x BA 180 mm	
982432.00X	L 362, B 194, H 2, HE 75	two lamps, Ceiling cut out LA 348 x BA 180 mm	
982433.00X	L 530, B 194, H 2, HE 75	three lamps, Ceiling cut out LA 516 x BA 180 mm	









Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

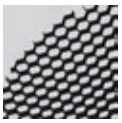
Accessories | MAGCARDO maxi



Diffuser			Price Category 21
982374.000	D 111, H 3	Safety glass, clear.	
982374.010	D 111, H 3	Safety glass, satin finish.	



Anti-glare honeycomb louvre			Price Category 21
982375.003	D 111, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982420.002	D 118, H 20	White plastic ring for reflector.	
982422.002	D 118, H 33	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982372.003	D 118, H 83	Reflector spot, narrow beam	
982372.013	D 118, H 83	Reflector medium, medium beam	
982372.023	D 118, H 83	Reflector flood, wide beam	
982372.033	D 118, H 83	Reflector wide flood, very wide beam	
982373.003	D 118, H 83	Spot lens, narrow beam	
982373.013	D 118, H 83	Medium lens, medium beam	
982373.023	D 118, H 83	Flood lens, wide beam	



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

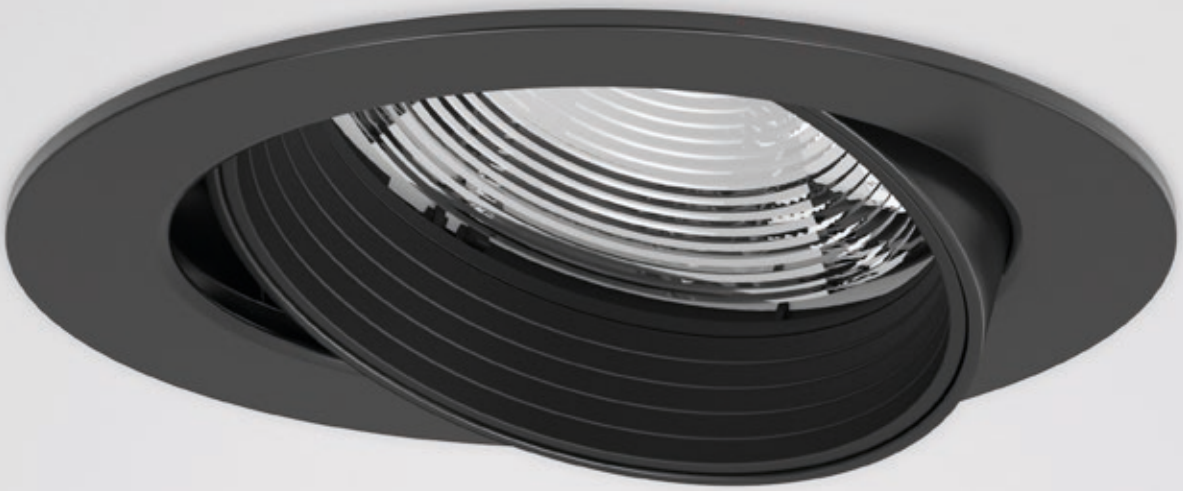
Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm^2 or 3 x 2.5 mm^2 possible.	



Compensating rings available for various ceiling cut outs!



superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°



RONDOS

Recessed projectors

ARCHITECTURE

- **Variable:** MIRO-SILVER® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone.
- **Long service life:** High quality die-cast aluminium housing in two sizes.
- **Interchangeable:** 8 interchangeable lenses with different beam angles.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Standard:** Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality.
- **Anti-glare:** Black plastic ring and recessed LED to prevent glare from the side.
- **Versatile:** 7 different light colors with CRI >90 and special Food-LEDs available as standard.
- **True colours:** CRI >90 for the most realistic possible perception of colours of surroundings, obects and people.
- **Advantageous:** LED rated life 50000 h (L90/B10).
- **Optimum:** Colour tolerance within 2-steps MacAdam (2 SDCM).

INSTALLATION

- **Easy installation:** Converter in separate box. Very simple installation with plug-in locking system.
- **Flexible:** Flexible adjustment, can be turned by 356° and swivelled by ± 35°.
- **Straightforward:** Suitable for through-wiring with separately available accessories.
- **Extensive:** The following accessories can be mounted without use of tools: interchangeable lenses, decorative glasses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

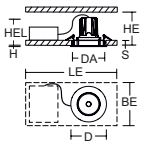


The application image shows:
RONDOS
SIDELITE ECO

© Linus Lintner



Recessed projectors | RONDOS mini - Optic reflector



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°; swivel range: ± 35°.
Heat resistant plastic ring black. Installation without tools thanks to spring fastening system.
With MIRO-SILVER® reflector. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Comparison LED vs. conventional lamps

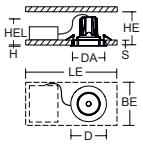
LED 20 W ≈
1 x 35 W HIT (43 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Reflector spot							**Price Category 21**
Ceiling cut out DA 133 mm							
911619.00X	D 143, H 3, HE 170	930	2450	20	123	18	on/off
911619.00X.76	D 143, H 3, HE 170	930	2450	20	123	18	DALI
911619.00X.1	D 143, H 3, HE 170	940	2550	20	128	18	on/off
911619.00X.1.76	D 143, H 3, HE 170	940	2550	20	128	18	DALI
911627.00X	D 143, H 3, HE 170	930	3500	29	121	18	on/off
911627.00X.76	D 143, H 3, HE 170	930	3500	29	121	18	DALI
911627.00X.1	D 143, H 3, HE 170	940	3550	29	122	18	on/off
911627.00X.1.76	D 143, H 3, HE 170	940	3550	29	122	18	DALI
Recessed projectors - Reflector medium							**Price Category 21**
Ceiling cut out DA 133 mm							
911620.00X	D 143, H 3, HE 170	930	2400	20	120	31	on/off
911620.00X.76	D 143, H 3, HE 170	930	2400	20	120	31	DALI
911620.00X.1	D 143, H 3, HE 170	940	2450	20	123	31	on/off
911620.00X.1.76	D 143, H 3, HE 170	940	2450	20	123	31	DALI
911628.00X	D 143, H 3, HE 170	930	3350	29	116	31	on/off
911628.00X.76	D 143, H 3, HE 170	930	3350	29	116	31	DALI
911628.00X.1	D 143, H 3, HE 170	940	3500	29	121	31	on/off
911628.00X.1.76	D 143, H 3, HE 170	940	3500	29	121	31	DALI
Recessed projectors - Reflector wide flood							**Price Category 21**
Ceiling cut out DA 133 mm							
911621.00X	D 143, H 3, HE 170	930	2450	20	123	60	on/off
911621.00X.76	D 143, H 3, HE 170	930	2450	20	123	60	DALI
911621.00X.1	D 143, H 3, HE 170	940	2550	20	128	60	on/off
911621.00X.1.76	D 143, H 3, HE 170	940	2550	20	128	60	DALI
911629.00X	D 143, H 3, HE 170	930	3500	29	121	60	on/off
911629.00X.76	D 143, H 3, HE 170	930	3500	29	121	60	DALI
911629.00X.1	D 143, H 3, HE 170	940	3650	29	126	60	on/off
911629.00X.1.76	D 143, H 3, HE 170	940	3650	29	126	60	DALI



Recessed projectors | RONDOS mini - Oval corridor optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°; swivel range: ± 35°.
Heat resistant plastic ring black. Installation without tools thanks to spring fastening system.
With optical assembly polycarbonate lens. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Comparison LED vs. conventional lamps

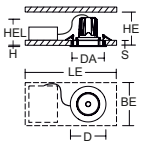
LED 20 W ≈
1 x 20 W HIT (23 W Psys)

LED 29 W ≈
1 x 35 W HIT (43 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Oval corridor lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911626.00X	D 143, H 3, HE 170	930	1850	20	93	40/28	on/off
911626.00X.76	D 143, H 3, HE 170	930	1850	20	93	40/28	DALI
911626.00X.1	D 143, H 3, HE 170	940	1950	20	98	40/28	on/off
911626.00X.1.76	D 143, H 3, HE 170	940	1950	20	98	40/28	DALI
911634.00X	D 143, H 3, HE 170	930	2650	29	91	40/28	on/off
911634.00X.76	D 143, H 3, HE 170	930	2650	29	91	40/28	DALI
911634.00X.1	D 143, H 3, HE 170	940	2750	29	95	40/28	on/off
911634.00X.1.76	D 143, H 3, HE 170	940	2750	29	95	40/28	DALI

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed projectors | RONDOS mini - Optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°; swivel range: ± 35°. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly polycarbonate lens. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com



Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 W HIT (43 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Spot lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911622.00X	D 143, H 3, HE 170	930	2150	20	108	20	on/off
911622.00X.76	D 143, H 3, HE 170	930	2150	20	108	20	DALI
911622.00X.1	D 143, H 3, HE 170	940	2250	20	113	20	on/off
911622.00X.1.76	D 143, H 3, HE 170	940	2250	20	113	20	DALI
911630.00X	D 143, H 3, HE 170	930	3050	29	105	20	on/off
911630.00X.76	D 143, H 3, HE 170	930	3050	29	105	20	DALI
911630.00X.1	D 143, H 3, HE 170	940	3200	29	110	20	on/off
911630.00X.1.76	D 143, H 3, HE 170	940	3200	29	110	20	DALI
Recessed projectors - Medium lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911623.00X	D 143, H 3, HE 170	930	2050	20	103	31	on/off
911623.00X.76	D 143, H 3, HE 170	930	2050	20	103	31	DALI
911623.00X.1	D 143, H 3, HE 170	940	2100	20	105	31	on/off
911623.00X.1.76	D 143, H 3, HE 170	940	2100	20	105	31	DALI
911631.00X	D 143, H 3, HE 170	930	2900	29	100	31	on/off
911631.00X.76	D 143, H 3, HE 170	930	2900	29	100	31	DALI
911631.00X.1	D 143, H 3, HE 170	940	3050	29	105	31	on/off
911631.00X.1.76	D 143, H 3, HE 170	940	3050	29	105	31	DALI
Recessed projectors - Flood lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911624.00X	D 143, H 3, HE 170	930	1900	20	95	44	on/off
911624.00X.76	D 143, H 3, HE 170	930	1900	20	95	44	DALI
911624.00X.1	D 143, H 3, HE 170	940	2000	20	100	44	on/off
911624.00X.1.76	D 143, H 3, HE 170	940	2000	20	100	44	DALI
911632.00X	D 143, H 3, HE 170	930	2750	29	95	44	on/off
911632.00X.76	D 143, H 3, HE 170	930	2750	29	95	44	DALI
911632.00X.1	D 143, H 3, HE 170	940	2850	29	98	44	on/off
911632.00X.1.76	D 143, H 3, HE 170	940	2850	29	98	44	DALI
Recessed projectors - Extra wide flood lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911625.00X	D 143, H 3, HE 170	930	2200	20	110	72	on/off
911625.00X.76	D 143, H 3, HE 170	930	2200	20	110	72	DALI
911625.00X.1	D 143, H 3, HE 170	940	2300	20	115	72	on/off
911625.00X.1.76	D 143, H 3, HE 170	940	2300	20	115	72	DALI
911633.00X	D 143, H 3, HE 170	930	3100	29	107	72	on/off
911633.00X.76	D 143, H 3, HE 170	930	3100	29	107	72	DALI
911633.00X.1	D 143, H 3, HE 170	940	3250	29	112	72	on/off
911633.00X.1.76	D 143, H 3, HE 170	940	3250	29	112	72	DALI





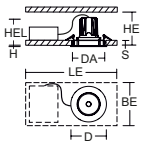




Accessories: Page 438



Recessed projectors | RONDOS maxi - Optic reflector



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°; swivel range: ± 35°.
Heat resistant plastic ring black. Installation without tools thanks to spring fastening system.
With MIRO-SILVER® reflector. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Comparison
LED vs. conventional lamps

LED 25 W ≈
1 x 35 W HIT (43 W Psys)

LED 35 W ≈
1 x 50 W HIT (56 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Reflector spot							**Price Category 21**
Ceiling cut out DA 168 mm							
911635.00X	D 178, H 3, HE 200	930	3050	25	122	12	on/off
911635.00X.76	D 178, H 3, HE 200	930	3050	25	122	12	DALI
911635.00X.1	D 178, H 3, HE 200	940	3200	25	128	12	on/off
911635.00X.1.76	D 178, H 3, HE 200	940	3200	25	128	12	DALI
911642.00X	D 178, H 3, HE 200	930	4000	35	114	12	on/off
911642.00X.76	D 178, H 3, HE 200	930	4000	35	114	12	DALI
911642.00X.1	D 178, H 3, HE 200	940	4200	35	120	12	on/off
911642.00X.1.76	D 178, H 3, HE 200	940	4200	35	120	12	DALI
Recessed projectors - Reflector medium							**Price Category 21**
Ceiling cut out DA 168 mm							
911636.00X	D 178, H 3, HE 200	930	3150	25	126	21	on/off
911636.00X.76	D 178, H 3, HE 200	930	3150	25	126	21	DALI
911636.00X.1	D 178, H 3, HE 200	940	3300	25	132	21	on/off
911636.00X.1.76	D 178, H 3, HE 200	940	3300	25	132	21	DALI
911643.00X	D 178, H 3, HE 200	930	4200	35	120	21	on/off
911643.00X.76	D 178, H 3, HE 200	930	4200	35	120	21	DALI
911643.00X.1	D 178, H 3, HE 200	940	4300	35	123	21	on/off
911643.00X.1.76	D 178, H 3, HE 200	940	4300	35	123	21	DALI
Recessed projectors - Reflector flood							**Price Category 21**
Ceiling cut out DA 168 mm							
911637.00X	D 178, H 3, HE 200	930	3150	25	126	33	on/off
911637.00X.76	D 178, H 3, HE 200	930	3150	25	126	33	DALI
911637.00X.1	D 178, H 3, HE 200	940	3350	25	134	33	on/off
911637.00X.1.76	D 178, H 3, HE 200	940	3350	25	134	33	DALI
911644.00X	D 178, H 3, HE 200	930	4200	35	120	33	on/off
911644.00X.76	D 178, H 3, HE 200	930	4200	35	120	33	DALI
911644.00X.1	D 178, H 3, HE 200	940	4350	35	124	33	on/off
911644.00X.1.76	D 178, H 3, HE 200	940	4350	35	124	33	DALI
Recessed projectors - Reflector wide flood							**Price Category 21**
Ceiling cut out DA 168 mm							
911638.00X	D 178, H 3, HE 200	930	3050	25	122	65	on/off
911638.00X.76	D 178, H 3, HE 200	930	3050	25	122	65	DALI
911638.00X.1	D 178, H 3, HE 200	940	3200	25	128	65	on/off
911638.00X.1.76	D 178, H 3, HE 200	940	3200	25	128	65	DALI
911645.00X	D 178, H 3, HE 200	930	3950	35	113	65	on/off
911645.00X.76	D 178, H 3, HE 200	930	3950	35	113	65	DALI
911645.00X.1	D 178, H 3, HE 200	940	4200	35	120	65	on/off
911645.00X.1.76	D 178, H 3, HE 200	940	4200	35	120	65	DALI





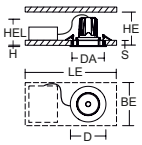




Accessories: Page 439

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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
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Recessed projectors | RONDOS maxi - Optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°; swivel range: ± 35°. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly polycarbonate lens. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com



Comparison
LED vs. conventional lamps

LED 25 W ≈
1 x 35 W HIT (43 W Psys)

LED 35 W ≈
1 x 50 W HIT (56 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Spot lens							**Price Category 21**
Ceiling cut out DA 168 mm							
911639.00X	D 178, H 3, HE 200	930	2700	25	108	13	on/off
911639.00X.76	D 178, H 3, HE 200	930	2700	25	108	13	DALI
911639.00X.1	D 178, H 3, HE 200	940	2800	25	112	13	on/off
911639.00X.1.76	D 178, H 3, HE 200	940	2800	25	112	13	DALI
911646.00X	D 178, H 3, HE 200	930	3500	35	100	13	on/off
911646.00X.76	D 178, H 3, HE 200	930	3500	35	100	13	DALI
911646.00X.1	D 178, H 3, HE 200	940	3700	35	106	13	on/off
911646.00X.1.76	D 178, H 3, HE 200	940	3700	35	106	13	DALI
Recessed projectors - Medium lens							**Price Category 21**
Ceiling cut out DA 168 mm							
911640.00X	D 178, H 3, HE 200	930	2600	25	104	31	on/off
911640.00X.76	D 178, H 3, HE 200	930	2600	25	104	31	DALI
911640.00X.1	D 178, H 3, HE 200	940	2700	25	108	31	on/off
911640.00X.1.76	D 178, H 3, HE 200	940	2700	25	108	31	DALI
911647.00X	D 178, H 3, HE 200	930	3400	35	97	31	on/off
911647.00X.76	D 178, H 3, HE 200	930	3400	35	97	31	DALI
911647.00X.1	D 178, H 3, HE 200	940	3550	35	101	31	on/off
911647.00X.1.76	D 178, H 3, HE 200	940	3550	35	101	31	DALI
Recessed projectors - Flood lens							**Price Category 21**
Ceiling cut out DA 168 mm							
911641.00X	D 178, H 3, HE 200	930	2650	25	106	42	on/off
911641.00X.76	D 178, H 3, HE 200	930	2650	25	106	42	DALI
911641.00X.1	D 178, H 3, HE 200	940	2800	25	112	42	on/off
911641.00X.1.76	D 178, H 3, HE 200	940	2800	25	112	42	DALI
911648.00X	D 178, H 3, HE 200	930	3450	35	99	42	on/off
911648.00X.76	D 178, H 3, HE 200	930	3450	35	99	42	DALI
911648.00X.1	D 178, H 3, HE 200	940	3650	35	104	42	on/off
911648.00X.1.76	D 178, H 3, HE 200	940	3650	35	104	42	DALI

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°





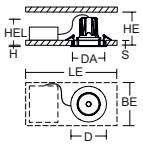




Accessories: Page 439



Recessed projectors | RONDOS maxi - Food optic reflector



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°; swivel range: ± 35°. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With MIRO-SILVER® reflector and special food LED. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Food LED light colours show food in its best light:

- **bakery** (golden yellow): Baked goods look fresher and the colours are more intense
- **fresh meat** (reddish white): Fresh presentation of sausages and meat, white parts remain white
- **meat +** (intense red): The red colour of sausages and meat is highlighted

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Reflector spot							**Price Category 21**
Ceiling cut out DA 168 mm							
911663.00X.2	D 178, H 3, HE 200	bakery	3300	33	100	17	on/off
911663.00X.2.76	D 178, H 3, HE 200	bakery	3300	33	100	17	DALI
911649.00X	D 178, H 3, HE 200	fresh meat	2100	33	64	17	on/off
911649.00X.76	D 178, H 3, HE 200	fresh meat	2100	33	64	17	DALI
911656.00X	D 178, H 3, HE 200	meat +	2200	33	67	17	on/off
911656.00X.76	D 178, H 3, HE 200	meat +	2200	33	67	17	DALI
Recessed projectors - Reflector medium							**Price Category 21**
Ceiling cut out DA 168 mm							
911664.00X.2	D 178, H 3, HE 200	bakery	3400	33	103	23	on/off
911664.00X.2.76	D 178, H 3, HE 200	bakery	3400	33	103	23	DALI
911650.00X	D 178, H 3, HE 200	fresh meat	2150	33	65	23	on/off
911650.00X.76	D 178, H 3, HE 200	fresh meat	2150	33	65	23	DALI
911657.00X	D 178, H 3, HE 200	meat +	2250	33	68	23	on/off
911657.00X.76	D 178, H 3, HE 200	meat +	2250	33	68	23	DALI
Recessed projectors - Reflector flood							**Price Category 21**
Ceiling cut out DA 168 mm							
911665.00X.2	D 178, H 3, HE 200	bakery	3450	33	105	33	on/off
911665.00X.2.76	D 178, H 3, HE 200	bakery	3450	33	105	33	DALI
911651.00X	D 178, H 3, HE 200	fresh meat	2150	33	65	33	on/off
911651.00X.76	D 178, H 3, HE 200	fresh meat	2150	33	65	33	DALI
911658.00X	D 178, H 3, HE 200	meat +	2250	33	68	33	on/off
911658.00X.76	D 178, H 3, HE 200	meat +	2250	33	68	33	DALI
Recessed projectors - Reflector wide flood							**Price Category 21**
Ceiling cut out DA 168 mm							
911666.00X.2	D 178, H 3, HE 200	bakery	3300	33	100	67	on/off
911666.00X.2.76	D 178, H 3, HE 200	bakery	3300	33	100	67	DALI
911652.00X	D 178, H 3, HE 200	fresh meat	2050	33	62	67	on/off
911652.00X.76	D 178, H 3, HE 200	fresh meat	2050	33	62	67	DALI
911659.00X	D 178, H 3, HE 200	meat +	2150	33	65	67	on/off
911659.00X.76	D 178, H 3, HE 200	meat +	2150	33	65	67	DALI



Accessories: Page 439



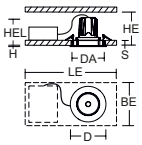






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Recessed projectors | RONDOS maxi - Food optic lens





Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°; swivel range: ± 35°.
Heat resistant plastic ring black. Installation without tools thanks to spring fastening system.
With optical assembly polycarbonate lens and special food LED. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Food LED light colours show food in its best light:

- **bakery** (golden yellow): Baked goods look fresher and the colours are more intense
- **fresh meat** (reddish white): Fresh presentation of sausages and meat, white parts remain white
- **meat +** (intense red): The red colour of sausages and meat is highlighted

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Spot lens							**Price Category 21**
Ceiling cut out DA 168 mm							
911667.00X.2	D 178, H 3, HE 200	bakery	2950	33	89	17	on/off
911667.00X.2.76	D 178, H 3, HE 200	bakery	2950	33	89	17	DALI
911653.00X	D 178, H 3, HE 200	fresh meat	1800	33	55	17	on/off
911653.00X.76	D 178, H 3, HE 200	fresh meat	1800	33	55	17	DALI
911660.00X	D 178, H 3, HE 200	meat +	1900	33	58	17	on/off
911660.00X.76	D 178, H 3, HE 200	meat +	1900	33	58	17	DALI
Recessed projectors - Medium lens							**Price Category 21**
Ceiling cut out DA 168 mm							
911668.00X.2	D 178, H 3, HE 200	bakery	2850	33	86	35	on/off
911668.00X.2.76	D 178, H 3, HE 200	bakery	2850	33	86	35	DALI
911654.00X	D 178, H 3, HE 200	fresh meat	1750	33	53	35	on/off
911654.00X.76	D 178, H 3, HE 200	fresh meat	1750	33	53	35	DALI
911661.00X	D 178, H 3, HE 200	meat +	1850	33	56	35	on/off
911661.00X.76	D 178, H 3, HE 200	meat +	1850	33	56	35	DALI
Recessed projectors - Flood lens							**Price Category 21**
Ceiling cut out DA 168 mm							
911669.00X.2	D 178, H 3, HE 200	bakery	2900	33	88	44	on/off
911669.00X.2.76	D 178, H 3, HE 200	bakery	2900	33	88	44	DALI
911655.00X	D 178, H 3, HE 200	fresh meat	1800	33	55	44	on/off
911655.00X.76	D 178, H 3, HE 200	fresh meat	1800	33	55	44	DALI
911662.00X	D 178, H 3, HE 200	meat +	1900	33	58	44	on/off
911662.00X.76	D 178, H 3, HE 200	meat +	1900	33	58	44	DALI

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°



Accessories: Page 439







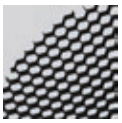




Accessories | RONDOS mini




Diffuser			Price Category 21
982370.000	D 74, H 3	Safety glass, clear.	
982370.010	D 74, H 3	Safety glass, satin finish.	



Anti-glare honeycomb louvre			Price Category 21
982371.003	D 74, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982419.002	D 82, H 20	White plastic ring for reflector.	
982421.002	D 82, H 31	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982368.003	D 82, H 55	Reflector spot, narrow beam	
982368.013	D 82, H 55	Reflector medium, medium beam	
982368.023	D 82, H 55	Reflector flood, wide beam	
982368.033	D 82, H 55	Reflector wide flood, very wide beam	
982369.003	D 82, H 55	Spot lens, narrow beam	
982369.013	D 82, H 55	Medium lens, medium beam	
982369.023	D 82, H 55	Flood lens, wide beam	
982369.033	D 82, H 55	Extra wide flood lens, extremly wide beam	
982369.043	D 82, H 55	Lens with oval light distribution for corridor	



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm^2 or 3 x 2.5 mm^2 possible.	



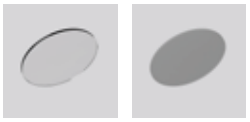
Compensating rings available for various ceiling cut outs!

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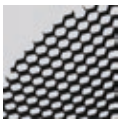
Accessories | RONDOS maxi



Diffuser			Price Category 21
982374.000	D 111, H 3	Safety glass, clear.	
982374.010	D 111, H 3	Safety glass, satin finish.	



Anti-glare honeycomb louvre			Price Category 21
982375.003	D 111, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982420.002	D 118, H 20	White plastic ring for reflector.	
982422.002	D 118, H 33	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982372.003	D 118, H 83	Reflector spot, narrow beam	
982372.013	D 118, H 83	Reflector medium, medium beam	
982372.023	D 118, H 83	Reflector flood, wide beam	
982372.033	D 118, H 83	Reflector wide flood, very wide beam	
982373.003	D 118, H 83	Spot lens, narrow beam	
982373.013	D 118, H 83	Medium lens, medium beam	
982373.023	D 118, H 83	Flood lens, wide beam	



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.	





Compensating rings available for various ceiling cut outs!

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°



GOLAS

Recessed projectors

ARCHITECTURE

- **Variable:** MIRO-SILVER® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone.
- **Long service life:** High quality die-cast aluminium housing in two sizes.
- **Interchangeable:** 8 interchangeable lenses with different beam angles.
- **Individual:** Additional Superspot versions.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

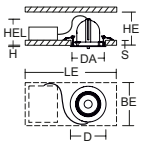
- **Standard:** Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality.
- **Anti-glare:** Black plastic ring and recessed LED to prevent glare from the side.
- **Versatile:** 7 different light colors with CRI >90 and special Food-LEDs available as standard.
- **True colours:** CRI >90 for the most realistic possible perception of colours of surroundings, obects and people.
- **Advantageous:** LED rated life 50000 h (L90/B10).
- **Optimum:** Colour tolerance within 2-steps MacAdam (2 SDCM).

INSTALLATION

- **Easy installation:** Converter in separate box. Very simple installation with plug-in locking system.
- **Flexible:** Swivels by 90° and turns by 356° - resulting in maximum flexibility in adjustment.
- **Straightforward:** Suitable for through-wiring with separately available accessories.
- **Extensive:** The following accessories can be mounted without use of tools: interchangeable lenses, decorative glasses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed projectors | GOLAS mini - Superspot optic reflector



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: die-cast aluminium, powder-coated. 356° rotation range and 90° swivel range. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With MIRO-SILVER® reflector. Superspot version with small spot LED. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

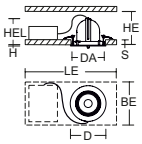


Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Reflector superspot							**Price Category 21**
Ceiling cut out DA 133 mm							
911564.00X	D 143, H 3, HE 170	930	2150	22	98	13	on/off
911564.00X.76	D 143, H 3, HE 170	930	2150	22	98	13	DALI
911564.00X.1	D 143, H 3, HE 170	940	2350	22	107	13	on/off
911564.00X.1.76	D 143, H 3, HE 170	940	2350	22	107	13	DALI

Comparison
LED vs. conventional lamps

LED 22 W ≈
1 x 35 W HIT (43 W Psys)

Recessed projectors | GOLAS mini - Superspot optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: die-cast aluminium, powder-coated. 356° rotation range and 90° swivel range. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly polycarbonate lens. Superspot version with small spot LED. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Superspot lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911565.00X	D 143, H 3, HE 170	930	1900	22	86	15	on/off
911565.00X.76	D 143, H 3, HE 170	930	1900	22	86	15	DALI
911565.00X.1	D 143, H 3, HE 170	940	2100	22	95	15	on/off
911565.00X.1.76	D 143, H 3, HE 170	940	2100	22	95	15	DALI

Comparison
LED vs. conventional lamps

LED 22 W ≈
1 x 35 W HIT (43 W Psys)







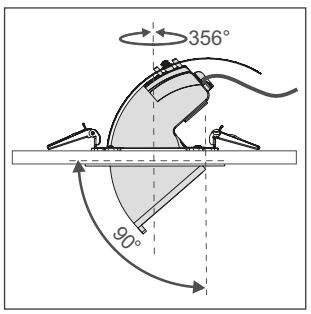


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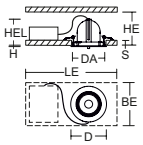








Recessed projectors | GOLAS mini - Optic reflector



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: die-cast aluminium, powder-coated. 356° rotation range and 90° swivel range.
Heat resistant plastic ring black. Installation without tools thanks to spring fastening system.
With MIRO-SILVER® reflector. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Comparison
LED vs. conventional lamps

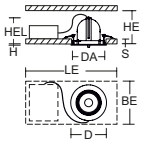
LED 20 W ≈
1 x 35 W HIT (43 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Reflector spot							**Price Category 21**
Ceiling cut out DA 133 mm							
911566.00X	D 143, H 3, HE 170	930	2450	20	123	18	on/off
911566.00X.76	D 143, H 3, HE 170	930	2450	20	123	18	DALI
911566.00X.1	D 143, H 3, HE 170	940	2550	20	128	18	on/off
911566.00X.1.76	D 143, H 3, HE 170	940	2550	20	128	18	DALI
911574.00X	D 143, H 3, HE 170	930	3500	29	121	18	on/off
911574.00X.76	D 143, H 3, HE 170	930	3500	29	121	18	DALI
911574.00X.1	D 143, H 3, HE 170	940	3550	29	122	18	on/off
911574.00X.1.76	D 143, H 3, HE 170	940	3550	29	122	18	DALI
Recessed projectors - Reflector medium							**Price Category 21**
Ceiling cut out DA 133 mm							
911567.00X	D 143, H 3, HE 170	930	2400	20	120	31	on/off
911567.00X.76	D 143, H 3, HE 170	930	2400	20	120	31	DALI
911567.00X.1	D 143, H 3, HE 170	940	2450	20	123	31	on/off
911567.00X.1.76	D 143, H 3, HE 170	940	2450	20	123	31	DALI
911575.00X	D 143, H 3, HE 170	930	3350	29	116	31	on/off
911575.00X.76	D 143, H 3, HE 170	930	3350	29	116	31	DALI
911575.00X.1	D 143, H 3, HE 170	940	3500	29	121	31	on/off
911575.00X.1.76	D 143, H 3, HE 170	940	3500	29	121	31	DALI
Recessed projectors - Reflector wide flood							**Price Category 21**
Ceiling cut out DA 133 mm							
911568.00X	D 143, H 3, HE 170	930	2450	20	123	60	on/off
911568.00X.76	D 143, H 3, HE 170	930	2450	20	123	60	DALI
911568.00X.1	D 143, H 3, HE 170	940	2550	20	128	60	on/off
911568.00X.1.76	D 143, H 3, HE 170	940	2550	20	128	60	DALI
911576.00X	D 143, H 3, HE 170	930	3500	29	121	60	on/off
911576.00X.76	D 143, H 3, HE 170	930	3500	29	121	60	DALI
911576.00X.1	D 143, H 3, HE 170	940	3650	29	126	60	on/off
911576.00X.1.76	D 143, H 3, HE 170	940	3650	29	126	60	DALI



Recessed projectors | GOLAS mini - Oval corridor optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: die-cast aluminium, powder-coated. 356° rotation range and 90° swivel range.
Heat resistant plastic ring black. Installation without tools thanks to spring fastening system.
With optical assembly polycarbonate lens. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

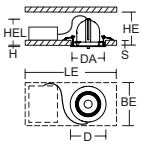
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Oval corridor lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911573.00X	D 143, H 3, HE 170	930	1850	20	93	40/28	on/off
911573.00X.76	D 143, H 3, HE 170	930	1850	20	93	40/28	DALI
911573.00X.1	D 143, H 3, HE 170	940	1950	20	98	40/28	on/off
911573.00X.1.76	D 143, H 3, HE 170	940	1950	20	98	40/28	DALI
911581.00X	D 143, H 3, HE 170	930	2650	29	91	40/28	on/off
911581.00X.76	D 143, H 3, HE 170	930	2650	29	91	40/28	DALI
911581.00X.1	D 143, H 3, HE 170	940	2750	29	95	40/28	on/off
911581.00X.1.76	D 143, H 3, HE 170	940	2750	29	95	40/28	DALI



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Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed projectors | GOLAS mini - Optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: die-cast aluminium, powder-coated. 356° rotation range and 90° swivel range. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly polycarbonate lens. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Spot lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911569.00X	D 143, H 3, HE 170	930	2150	20	108	20	on/off
911569.00X.76	D 143, H 3, HE 170	930	2150	20	108	20	DALI
911569.00X.1	D 143, H 3, HE 170	940	2250	20	113	20	on/off
911569.00X.1.76	D 143, H 3, HE 170	940	2250	20	113	20	DALI
911577.00X	D 143, H 3, HE 170	930	3050	29	105	20	on/off
911577.00X.76	D 143, H 3, HE 170	930	3050	29	105	20	DALI
911577.00X.1	D 143, H 3, HE 170	940	3200	29	110	20	on/off
911577.00X.1.76	D 143, H 3, HE 170	940	3200	29	110	20	DALI
Recessed projectors - Medium lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911570.00X	D 143, H 3, HE 170	930	2050	20	103	31	on/off
911570.00X.76	D 143, H 3, HE 170	930	2050	20	103	31	DALI
911570.00X.1	D 143, H 3, HE 170	940	2100	20	105	31	on/off
911570.00X.1.76	D 143, H 3, HE 170	940	2100	20	105	31	DALI
911578.00X	D 143, H 3, HE 170	930	2900	29	100	31	on/off
911578.00X.76	D 143, H 3, HE 170	930	2900	29	100	31	DALI
911578.00X.1	D 143, H 3, HE 170	940	3050	29	105	31	on/off
911578.00X.1.76	D 143, H 3, HE 170	940	3050	29	105	31	DALI
Recessed projectors - Flood lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911571.00X	D 143, H 3, HE 170	930	1900	20	95	44	on/off
911571.00X.76	D 143, H 3, HE 170	930	1900	20	95	44	DALI
911571.00X.1	D 143, H 3, HE 170	940	2000	20	100	44	on/off
911571.00X.1.76	D 143, H 3, HE 170	940	2000	20	100	44	DALI
911579.00X	D 143, H 3, HE 170	930	2750	29	95	44	on/off
911579.00X.76	D 143, H 3, HE 170	930	2750	29	95	44	DALI
911579.00X.1	D 143, H 3, HE 170	940	2850	29	98	44	on/off
911579.00X.1.76	D 143, H 3, HE 170	940	2850	29	98	44	DALI
Recessed projectors - Extra wide flood lens							**Price Category 21**
Ceiling cut out DA 133 mm							
911572.00X	D 143, H 3, HE 170	930	2200	20	110	72	on/off
911572.00X.76	D 143, H 3, HE 170	930	2200	20	110	72	DALI
911572.00X.1	D 143, H 3, HE 170	940	2300	20	115	72	on/off
911572.00X.1.76	D 143, H 3, HE 170	940	2300	20	115	72	DALI
911580.00X	D 143, H 3, HE 170	930	3100	29	107	72	on/off
911580.00X.76	D 143, H 3, HE 170	930	3100	29	107	72	DALI
911580.00X.1	D 143, H 3, HE 170	940	3250	29	112	72	on/off
911580.00X.1.76	D 143, H 3, HE 170	940	3250	29	112	72	DALI

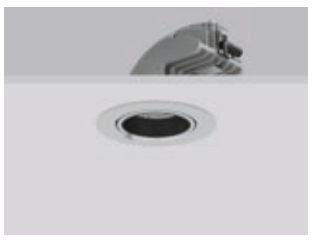
Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 W HIT (43 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°

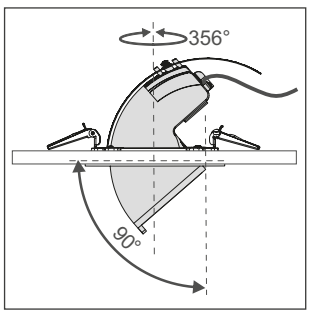






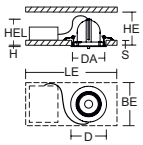



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Recessed projectors | GOLAS maxi - Optic reflector



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: die-cast aluminium, powder-coated. 356° rotation range and 90° swivel range.
Heat resistant plastic ring black. Installation without tools thanks to spring fastening system.
With MIRO-SILVER® reflector. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Comparison
LED vs. conventional lamps

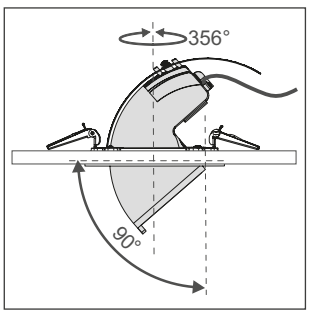
LED 25 W ≈
1 x 35 W HIT (43 W Psys)

LED 35 W ≈
1 x 50 W HIT (56 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Reflector spot							**Price Category 21**
Ceiling cut out DA 168 mm							
911584.00X	D 178, H 3, HE 200	930	3050	25	122	12	on/off
911584.00X.76	D 178, H 3, HE 200	930	3050	25	122	12	DALI
911584.00X.1	D 178, H 3, HE 200	940	3200	25	128	12	on/off
911584.00X.1.76	D 178, H 3, HE 200	940	3200	25	128	12	DALI
911591.00X	D 178, H 3, HE 200	930	4000	35	114	12	on/off
911591.00X.76	D 178, H 3, HE 200	930	4000	35	114	12	DALI
911591.00X.1	D 178, H 3, HE 200	940	4200	35	120	12	on/off
911591.00X.1.76	D 178, H 3, HE 200	940	4200	35	120	12	DALI
Recessed projectors - Reflector medium							**Price Category 21**
Ceiling cut out DA 168 mm							
911585.00X	D 178, H 3, HE 200	930	3150	25	126	21	on/off
911585.00X.76	D 178, H 3, HE 200	930	3150	25	126	21	DALI
911585.00X.1	D 178, H 3, HE 200	940	3300	25	132	21	on/off
911585.00X.1.76	D 178, H 3, HE 200	940	3300	25	132	21	DALI
911592.00X	D 178, H 3, HE 200	930	4200	35	120	21	on/off
911592.00X.76	D 178, H 3, HE 200	930	4200	35	120	21	DALI
911592.00X.1	D 178, H 3, HE 200	940	4300	35	123	21	on/off
911592.00X.1.76	D 178, H 3, HE 200	940	4300	35	123	21	DALI
Recessed projectors - Reflector flood							**Price Category 21**
Ceiling cut out DA 168 mm							
911586.00X	D 178, H 3, HE 200	930	3150	25	126	33	on/off
911586.00X.76	D 178, H 3, HE 200	930	3150	25	126	33	DALI
911586.00X.1	D 178, H 3, HE 200	940	3350	25	134	33	on/off
911586.00X.1.76	D 178, H 3, HE 200	940	3350	25	134	33	DALI
911593.00X	D 178, H 3, HE 200	930	4200	35	120	33	on/off
911593.00X.76	D 178, H 3, HE 200	930	4200	35	120	33	DALI
911593.00X.1	D 178, H 3, HE 200	940	4350	35	124	33	on/off
911593.00X.1.76	D 178, H 3, HE 200	940	4350	35	124	33	DALI
Recessed projectors - Reflector wide flood							**Price Category 21**
Ceiling cut out DA 168 mm							
911587.00X	D 178, H 3, HE 200	930	3050	25	122	65	on/off
911587.00X.76	D 178, H 3, HE 200	930	3050	25	122	65	DALI
911587.00X.1	D 178, H 3, HE 200	940	3200	25	128	65	on/off
911587.00X.1.76	D 178, H 3, HE 200	940	3200	25	128	65	DALI
911594.00X	D 178, H 3, HE 200	930	3950	35	113	65	on/off
911594.00X.76	D 178, H 3, HE 200	930	3950	35	113	65	DALI
911594.00X.1	D 178, H 3, HE 200	940	4200	35	120	65	on/off
911594.00X.1.76	D 178, H 3, HE 200	940	4200	35	120	65	DALI



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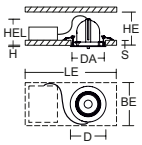






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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed projectors | GOLAS maxi - Optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: die-cast aluminium, powder-coated. 356° rotation range and 90° swivel range. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly polycarbonate lens. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Spot lens							**Price Category 21**
Ceiling cut out DA 168 mm							
911588.00X	D 178, H 3, HE 200	930	2700	25	108	13	on/off
911588.00X.76	D 178, H 3, HE 200	930	2700	25	108	13	DALI
911588.00X.1	D 178, H 3, HE 200	940	2800	25	112	13	on/off
911588.00X.1.76	D 178, H 3, HE 200	940	2800	25	112	13	DALI
911595.00X	D 178, H 3, HE 200	930	3500	35	100	13	on/off
911595.00X.76	D 178, H 3, HE 200	930	3500	35	100	13	DALI
911595.00X.1	D 178, H 3, HE 200	940	3700	35	106	13	on/off
911595.00X.1.76	D 178, H 3, HE 200	940	3700	35	106	13	DALI
Recessed projectors - Medium lens							**Price Category 21**
Ceiling cut out DA 168 mm							
911589.00X	D 178, H 3, HE 200	930	2600	25	104	31	on/off
911589.00X.76	D 178, H 3, HE 200	930	2600	25	104	31	DALI
911589.00X.1	D 178, H 3, HE 200	940	2700	25	108	31	on/off
911589.00X.1.76	D 178, H 3, HE 200	940	2700	25	108	31	DALI
911596.00X	D 178, H 3, HE 200	930	3400	35	97	31	on/off
911596.00X.76	D 178, H 3, HE 200	930	3400	35	97	31	DALI
911596.00X.1	D 178, H 3, HE 200	940	3550	35	101	31	on/off
911596.00X.1.76	D 178, H 3, HE 200	940	3550	35	101	31	DALI
Recessed projectors - Flood lens							**Price Category 21**
Ceiling cut out DA 168 mm							
911590.00X	D 178, H 3, HE 200	930	2650	25	106	42	on/off
911590.00X.76	D 178, H 3, HE 200	930	2650	25	106	42	DALI
911590.00X.1	D 178, H 3, HE 200	940	2800	25	112	42	on/off
911590.00X.1.76	D 178, H 3, HE 200	940	2800	25	112	42	DALI
911597.00X	D 178, H 3, HE 200	930	3450	35	99	42	on/off
911597.00X.76	D 178, H 3, HE 200	930	3450	35	99	42	DALI
911597.00X.1	D 178, H 3, HE 200	940	3650	35	104	42	on/off
911597.00X.1.76	D 178, H 3, HE 200	940	3650	35	104	42	DALI

Comparison LED vs. conventional lamps

LED 25 W ≈
1 x 35 W HIT (43 W Psys)

LED 35 W ≈
1 x 50 W HIT (56 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°

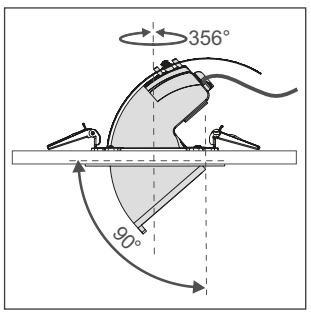






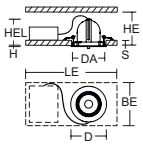



Accessories: Page 451





Recessed projectors | GOLAS maxi - Superspot optic reflector



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: die-cast aluminium, powder-coated. 356° rotation range and 90° swivel range. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With MIRO-SILVER® reflector. Superspot version with small spot LED. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

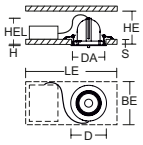
Comparison LED vs. conventional lamps

LED 22 W ≈
1 x 35 W HIT (43 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Reflector superspot							**Price Category 21**
Ceiling cut out DA 168 mm							
911582.00X	D 178, H 3, HE 200	930	2150	22	98	9	on/off
911582.00X.76	D 178, H 3, HE 200	930	2150	22	98	9	DALI
911582.00X.1	D 178, H 3, HE 200	940	2300	22	105	9	on/off
911582.00X.1.76	D 178, H 3, HE 200	940	2300	22	105	9	DALI



Recessed projectors | GOLAS maxi - Superspot optic lens



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: die-cast aluminium, powder-coated. 356° rotation range and 90° swivel range. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly polycarbonate lens. Superspot version with small spot LED. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

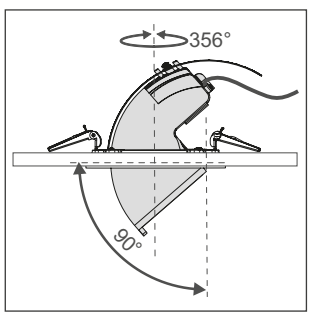
Comparison LED vs. conventional lamps

LED 22 W ≈
1 x 35 W HIT (43 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Superspot lens							**Price Category 21**
Ceiling cut out DA 168 mm							
911583.00X	D 178, H 3, HE 200	930	1850	22	84	10	on/off
911583.00X.76	D 178, H 3, HE 200	930	1850	22	84	10	DALI
911583.00X.1	D 178, H 3, HE 200	940	2050	22	93	10	on/off
911583.00X.1.76	D 178, H 3, HE 200	940	2050	22	93	10	DALI



Accessories: Page 451















Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

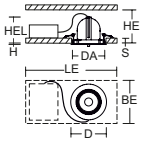


© Linus Lintner

The application image shows:
GOLAS



Recessed projectors | GOLAS maxi - Food optic reflector



Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: die-cast aluminium, powder-coated. 356° rotation range and 90° swivel range. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With MIRO-SILVER® reflector and special food LED. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

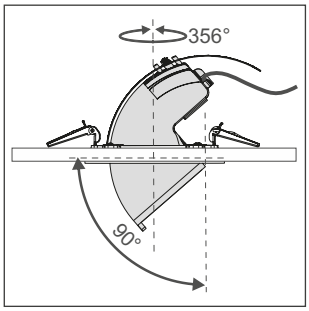
Food LED light colours show food in its best light:

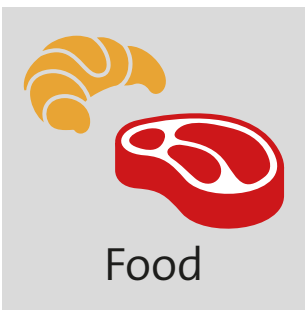
- **bakery** (golden yellow): Baked goods look fresher and the colours are more intense
- **fresh meat** (reddish white): Fresh presentation of sausages and meat, white parts remain white
- **meat +** (intense red): The red colour of sausages and meat is highlighted

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Reflector spot							**Price Category 21**
Ceiling cut out DA 168 mm							
911612.00X.2	D 178, H 3, HE 200	bakery	3300	33	100	17	on/off
911612.00X.2.76	D 178, H 3, HE 200	bakery	3300	33	100	17	DALI
911598.00X	D 178, H 3, HE 200	fresh meat	2100	33	64	17	on/off
911598.00X.76	D 178, H 3, HE 200	fresh meat	2100	33	64	17	DALI
911605.00X	D 178, H 3, HE 200	meat +	2200	33	67	17	on/off
911605.00X.76	D 178, H 3, HE 200	meat +	2200	33	67	17	DALI
Recessed projectors - Reflector medium							**Price Category 21**
Ceiling cut out DA 168 mm							
911613.00X.2	D 178, H 3, HE 200	bakery	3400	33	103	23	on/off
911613.00X.2.76	D 178, H 3, HE 200	bakery	3400	33	103	23	DALI
911599.00X	D 178, H 3, HE 200	fresh meat	2150	33	65	23	on/off
911599.00X.76	D 178, H 3, HE 200	fresh meat	2150	33	65	23	DALI
911606.00X	D 178, H 3, HE 200	meat +	2250	33	68	23	on/off
911606.00X.76	D 178, H 3, HE 200	meat +	2250	33	68	23	DALI
Recessed projectors - Reflector flood							**Price Category 21**
Ceiling cut out DA 168 mm							
911614.00X.2	D 178, H 3, HE 200	bakery	3450	33	105	33	on/off
911614.00X.2.76	D 178, H 3, HE 200	bakery	3450	33	105	33	DALI
911600.00X	D 178, H 3, HE 200	fresh meat	2150	33	65	33	on/off
911600.00X.76	D 178, H 3, HE 200	fresh meat	2150	33	65	33	DALI
911607.00X	D 178, H 3, HE 200	meat +	2250	33	68	33	on/off
911607.00X.76	D 178, H 3, HE 200	meat +	2250	33	68	33	DALI
Recessed projectors - Reflector wide flood							**Price Category 21**
Ceiling cut out DA 168 mm							
911615.00X.2	D 178, H 3, HE 200	bakery	3300	33	100	67	on/off
911615.00X.2.76	D 178, H 3, HE 200	bakery	3300	33	100	67	DALI
911601.00X	D 178, H 3, HE 200	fresh meat	2050	33	62	67	on/off
911601.00X.76	D 178, H 3, HE 200	fresh meat	2050	33	62	67	DALI
911608.00X	D 178, H 3, HE 200	meat +	2150	33	65	67	on/off
911608.00X.76	D 178, H 3, HE 200	meat +	2150	33	65	67	DALI



Accessories: Page 451





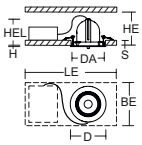






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed projectors | GOLAS maxi - Food optic lens





Type of protection: IP 20
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: die-cast aluminium, powder-coated. 356° rotation range and 90° swivel range.
Heat resistant plastic ring black. Installation without tools thanks to spring fastening system.
With optical assembly polycarbonate lens and special food LED. Including separate LED converter with connecting cable 600 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

Food LED light colours show food in its best light:

- **bakery** (golden yellow): Baked goods look fresher and the colours are more intense
- **fresh meat** (reddish white): Fresh presentation of sausages and meat, white parts remain white
- **meat +** (intense red): The red colour of sausages and meat is highlighted

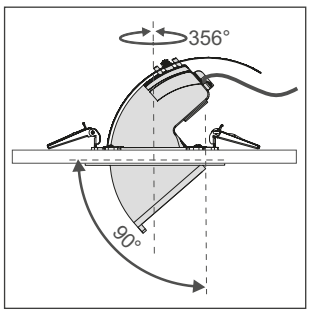
superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Recessed projectors - Spot lens							**Price Category 21**
Ceiling cut out DA 168 mm							
911616.00X.2	D 178, H 3, HE 200	bakery	2950	33	89	17	on/off
911616.00X.2.76	D 178, H 3, HE 200	bakery	2950	33	89	17	DALI
911602.00X	D 178, H 3, HE 200	fresh meat	1800	33	55	17	on/off
911602.00X.76	D 178, H 3, HE 200	fresh meat	1800	33	55	17	DALI
911609.00X	D 178, H 3, HE 200	meat +	1900	33	58	17	on/off
911609.00X.76	D 178, H 3, HE 200	meat +	1900	33	58	17	DALI
Recessed projectors - Medium lens							**Price Category 21**
Ceiling cut out DA 168 mm							
911617.00X.2	D 178, H 3, HE 200	bakery	2850	33	86	35	on/off
911617.00X.2.76	D 178, H 3, HE 200	bakery	2850	33	86	35	DALI
911603.00X	D 178, H 3, HE 200	fresh meat	1750	33	53	35	on/off
911603.00X.76	D 178, H 3, HE 200	fresh meat	1750	33	53	35	DALI
911610.00X	D 178, H 3, HE 200	meat +	1850	33	56	35	on/off
911610.00X.76	D 178, H 3, HE 200	meat +	1850	33	56	35	DALI
Recessed projectors - Flood lens							**Price Category 21**
Ceiling cut out DA 168 mm							
911618.00X.2	D 178, H 3, HE 200	bakery	2900	33	88	44	on/off
911618.00X.2.76	D 178, H 3, HE 200	bakery	2900	33	88	44	DALI
911604.00X	D 178, H 3, HE 200	fresh meat	1800	33	55	44	on/off
911604.00X.76	D 178, H 3, HE 200	fresh meat	1800	33	55	44	DALI
911611.00X	D 178, H 3, HE 200	meat +	1900	33	58	44	on/off
911611.00X.76	D 178, H 3, HE 200	meat +	1900	33	58	44	DALI



Accessories: Page 451





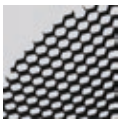





Accessories | GOLAS mini




Diffuser			Price Category 21
982370.000	D 74, H 3	Safety glass, clear.	
982370.010	D 74, H 3	Safety glass, satin finish.	



Anti-glare honeycomb louvre			Price Category 21
982371.003	D 74, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982419.002	D 82, H 20	White plastic ring for reflector.	
982421.002	D 82, H 31	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982368.003	D 82, H 55	Reflector spot, narrow beam	
982368.013	D 82, H 55	Reflector medium, medium beam	
982368.023	D 82, H 55	Reflector flood, wide beam	
982368.033	D 82, H 55	Reflector wide flood, very wide beam	
982369.003	D 82, H 55	Spot lens, narrow beam	
982369.013	D 82, H 55	Medium lens, medium beam	
982369.023	D 82, H 55	Flood lens, wide beam	
982369.033	D 82, H 55	Extra wide flood lens, extremly wide beam	
982369.043	D 82, H 55	Lens with oval light distribution for corridor	



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm^2 or 3 x 2.5 mm^2 possible.	



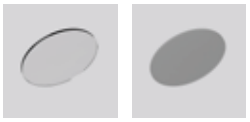
Compensating rings available for various ceiling cut outs!

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

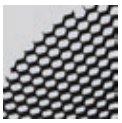
Accessories | GOLAS maxi



Diffuser			Price Category 21
982374.000	D 111, H 3	Safety glass, clear.	
982374.010	D 111, H 3	Safety glass, satin finish.	



Anti-glare honeycomb louvre			Price Category 21
982375.003	D 111, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982420.002	D 118, H 20	White plastic ring for reflector.	
982422.002	D 118, H 33	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982372.003	D 118, H 83	Reflector spot, narrow beam	
982372.013	D 118, H 83	Reflector medium, medium beam	
982372.023	D 118, H 83	Reflector flood, wide beam	
982372.033	D 118, H 83	Reflector wide flood, very wide beam	
982373.003	D 118, H 83	Spot lens, narrow beam	
982373.013	D 118, H 83	Medium lens, medium beam	
982373.023	D 118, H 83	Flood lens, wide beam	



Accessories | Through-wiring box
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm^2 or 3 x 2.5 mm^2 possible.	





Compensating rings available for various ceiling cut outs!

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°



TX-MOVE

Recessed projectors

ARCHITECTURE

- **Uniform:** For uniform ambient lighting of wide areas and focussed lighting of large advertising boards and shop shelves.
- **Versatile:** High-efficiency LED units with optimum light control thanks to clear plastic (PC) lens optics or flush-mounted opal diffuser made of non-yellowing PMMA.
- **Advantageous:** Unobtrusive effect thanks to flat design and also predestined for low ceiling heights.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components. Not a disposable luminaire.

LIGHTING DESIGN

- **True colours:** Best colour rendering with CRI >90 for fresh produce and coloured textiles.
- **Reduced:** Special microstructures in the specially developed lens optics reduce the yellow corona (caused by chromatic aberration) to an absolute minimum.
- **Anti-glare:** Versions with UGR≤19 can also be used in till areas.
- **Reliable planning:** Various beam variants: narrow, medium, wide, asymmetrical as standard, others on request.

INSTALLATION

- **Variable:** MultiLumen - 3-step adjustable luminous flux.
- **Flexible:** Can be swivelled by 90° for optimal illumination, visible tilt scale.

Further luminaires of this series, see:
Indoor lighting | Surface mounted projectors

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

TX-MOVE

Everything at a glance

TX-Move is a lay-in luminaire for grid ceilings module 600 or module 625, which can be flexibly positioned anywhere in the ceiling frame.

The individually adapted ceiling panel available on site can simply be on the frame of the luminaire housing.

Inner cover inhibits view into the false ceiling.



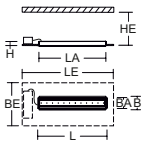
Accessories

Mounting frame for installation in suspended ceilings.





Recessed projectors | TX-MOVE - one lamp



Type of protection: IP 20
Protection class: I
Impact protection: IK03 (Diffuser: opal), IK04 (Optic lenses)

Housing: sheet steel, powder-coated. Swivel range: 90°. High-efficiency LED units with optimum light control thanks to clear plastic (PC) lens optics or flush-mounted opal diffuser made of non-yellowing PMMA. Connected converter included in separate gearbox. Suitable for through-wiring.

MultiLumen: 3 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colour 835 also available as standard articles - see www.rzb-lighting.com

Comparison LED vs. conventional lamps

Optic lenses

LED 16 W ≈
1 x 28 W T16 (31 W Psys)
1 x 20 W HIT (23 W Psys)

LED 18 W ≈
1 x 39 W T16 (41 W Psys)
1 x 35 W HIT (43 W Psys)

LED 31 W ≈
1 x 49 W T16 (53 W Psys)
1 x 50 W HIT (56 W Psys)

LED 39 W ≈
2 x 39 W T16 (82 W Psys)
1 x 70 W HIT (84 W Psys)





Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Lay-in luminaires for grid ceilings - for module 600							**Price Category 21**
Diffuser: plastic (PMMA), opal							
901727.00X.2	L 597, B 116, H 39, HE 100	927	1700...3050	16...31	106	112	on/off
901727.00X.2.76	L 597, B 116, H 39, HE 100	927	1700...3050	16...31	106	112	DALI
901727.00X	L 597, B 116, H 39, HE 100	830	2450...4700	18...39	136	112	on/off
901727.00X.76	L 597, B 116, H 39, HE 100	830	2450...4700	18...39	136	112	DALI
901727.00X.1	L 597, B 116, H 39, HE 100	840	2550...4900	18...39	142	112	on/off
901727.00X.1.76	L 597, B 116, H 39, HE 100	840	2550...4900	18...39	142	112	DALI
Optic lenses - symmetrical							
901724.00X.2	L 597, B 116, H 39, HE 100	927	1950...3500	16...31	122	30	on/off
901724.00X.2.76	L 597, B 116, H 39, HE 100	927	1950...3500	16...31	122	30	DALI
901725.00X.2	L 597, B 116, H 39, HE 100	927	2000...3550	16...31	125	85	on/off
901725.00X.2.76	L 597, B 116, H 39, HE 100	927	2000...3550	16...31	125	85	DALI
901724.00X	L 597, B 116, H 39, HE 100	830	2800...5450	18...39	156	30	on/off
901724.00X.76	L 597, B 116, H 39, HE 100	830	2800...5450	18...39	156	30	DALI
901725.00X	L 597, B 116, H 39, HE 100	830	2850...5550	18...39	158	85	on/off
901725.00X.76	L 597, B 116, H 39, HE 100	830	2850...5550	18...39	158	85	DALI
901724.00X.1	L 597, B 116, H 39, HE 100	840	2950...5650	18...39	164	30	on/off
901724.00X.1.76	L 597, B 116, H 39, HE 100	840	2950...5650	18...39	164	30	DALI
901725.00X.1	L 597, B 116, H 39, HE 100	840	3000...5800	18...39	167	85	on/off
901725.00X.1.76	L 597, B 116, H 39, HE 100	840	3000...5800	18...39	167	85	DALI
Optic lenses - asymmetrical							
901726.00X.2	L 597, B 116, H 39, HE 100	927	1950...3350	16...31	122		on/off
901726.00X.2.76	L 597, B 116, H 39, HE 100	927	1950...3350	16...31	122		DALI
901726.00X	L 597, B 116, H 39, HE 100	830	2700...5200	18...39	150		on/off
901726.00X.76	L 597, B 116, H 39, HE 100	830	2700...5200	18...39	150		DALI
901726.00X.1	L 597, B 116, H 39, HE 100	840	2800...5450	18...39	156		on/off
901726.00X.1.76	L 597, B 116, H 39, HE 100	840	2800...5450	18...39	156		DALI
Lay-in luminaires for grid ceilings - for module 625							
Diffuser: plastic (PMMA), opal							
901731.00X.2	L 622, B 116, H 39, HE 100	927	1700...3050	16...31	106	112	on/off
901731.00X.2.76	L 622, B 116, H 39, HE 100	927	1700...3050	16...31	106	112	DALI
901731.00X	L 622, B 116, H 39, HE 100	830	2450...4700	18...39	136	112	on/off
901731.00X.76	L 622, B 116, H 39, HE 100	830	2450...4700	18...39	136	112	DALI
901731.00X.1	L 622, B 116, H 39, HE 100	840	2550...4900	18...39	142	112	on/off
901731.00X.1.76	L 622, B 116, H 39, HE 100	840	2550...4900	18...39	142	112	DALI
Optic lenses - symmetrical							
901728.00X.2	L 622, B 116, H 39, HE 100	927	1950...3500	16...31	122	30	on/off
901728.00X.2.76	L 622, B 116, H 39, HE 100	927	1950...3500	16...31	122	30	DALI
901729.00X.2	L 622, B 116, H 39, HE 100	927	2000...3550	16...31	125	85	on/off
901729.00X.2.76	L 622, B 116, H 39, HE 100	927	2000...3550	16...31	125	85	DALI
901728.00X	L 622, B 116, H 39, HE 100	830	2800...5450	18...39	156	30	on/off
901728.00X.76	L 622, B 116, H 39, HE 100	830	2800...5450	18...39	156	30	DALI
901729.00X	L 622, B 116, H 39, HE 100	830	2850...5550	18...39	158	85	on/off
901729.00X.76	L 622, B 116, H 39, HE 100	830	2850...5550	18...39	158	85	DALI
901728.00X.1	L 622, B 116, H 39, HE 100	840	2950...5650	18...39	164	30	on/off
901728.00X.1.76	L 622, B 116, H 39, HE 100	840	2950...5650	18...39	164	30	DALI
901729.00X.1	L 622, B 116, H 39, HE 100	840	3000...5800	18...39	167	85	on/off
901729.00X.1.76	L 622, B 116, H 39, HE 100	840	3000...5800	18...39	167	85	DALI
Optic lenses - asymmetrical							
901730.00X.2	L 622, B 116, H 39, HE 100	927	1950...3350	16...31	122		on/off
901730.00X.2.76	L 622, B 116, H 39, HE 100	927	1950...3350	16...31	122		DALI
901730.00X	L 622, B 116, H 39, HE 100	830	2700...5200	18...39	150		on/off
901730.00X.76	L 622, B 116, H 39, HE 100	830	2700...5200	18...39	150		DALI
901730.00X.1	L 622, B 116, H 39, HE 100	840	2800...5450	18...39	156		on/off
901730.00X.1.76	L 622, B 116, H 39, HE 100	840	2800...5450	18...39	156		DALI

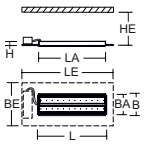
MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



Mounting frame for installation in suspended ceilings		**Price Category 21**
982866.00X	L 626, B 141, H 2, HE 150	one lamp, for module 600
982868.00X	L 650, B 141, H 2, HE 150	one lamp, for module 625

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Recessed projectors | TX-MOVE - two lamps



Type of protection: IP 20
Protection class: I
Impact protection: IK03 (Diffuser: opal), IK04 (Optic lenses)

Housing: sheet steel, powder-coated. Swivel range: 2 x 90°. High-efficiency LED units with optimum light control thanks to clear plastic (PC) lens optics or flush-mounted opal diffuser made of non-yellowing PMMA. Connected converter included in separate gearbox. Suitable for through-wiring.

MultiLumen: 3 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colour 835 also available as standard articles - see www.rzb-lighting.com



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Lay-in luminaires for grid ceilings - for module 600							**Price Category 21**
Diffuser: plastic (PMMA), opal							
901735.00X.2	L 597, B 190, H 39, HE 100	927	3500...5850	32...62	109	112	on/off
901735.00X.2.76	L 597, B 190, H 39, HE 100	927	3500...5850	32...62	109	112	DALI
901735.00X	L 597, B 190, H 39, HE 100	830	4850...8450	35...68	139	112	on/off
901735.00X.76	L 597, B 190, H 39, HE 100	830	4850...8450	35...68	139	112	DALI
901735.00X.1	L 597, B 190, H 39, HE 100	840	4900...8750	35...68	140	112	on/off
901735.00X.1.76	L 597, B 190, H 39, HE 100	840	4900...8750	35...68	140	112	DALI
Optic lenses - symmetrical							
901732.00X.2	L 597, B 190, H 39, HE 100	927	4000...6750	32...62	125	30	on/off
901732.00X.2.76	L 597, B 190, H 39, HE 100	927	4000...6750	32...62	125	30	DALI
901733.00X.2	L 597, B 190, H 39, HE 100	927	4050...6850	32...62	127	85	on/off
901733.00X.2.76	L 597, B 190, H 39, HE 100	927	4050...6850	32...62	127	85	DALI
901732.00X	L 597, B 190, H 39, HE 100	830	5500...9700	35...68	157	30	on/off
901732.00X.76	L 597, B 190, H 39, HE 100	830	5500...9700	35...68	157	30	DALI
901733.00X	L 597, B 190, H 39, HE 100	830	5600...9850	35...68	160	85	on/off
901733.00X.76	L 597, B 190, H 39, HE 100	830	5600...9850	35...68	160	85	DALI
901732.00X.1	L 597, B 190, H 39, HE 100	840	5600...10000	35...68	160	30	on/off
901732.00X.1.76	L 597, B 190, H 39, HE 100	840	5600...10000	35...68	160	30	DALI
901733.00X.1	L 597, B 190, H 39, HE 100	840	5700...10200	35...68	163	85	on/off
901733.00X.1.76	L 597, B 190, H 39, HE 100	840	5700...10200	35...68	163	85	DALI
Optic lenses - asymmetrical							
901734.00X.2	L 597, B 190, H 39, HE 100	927	3850...6450	32...62	120		on/off
901734.00X.2.76	L 597, B 190, H 39, HE 100	927	3850...6450	32...62	120		DALI
901734.00X	L 597, B 190, H 39, HE 100	830	5250...9250	35...68	150		on/off
901734.00X.76	L 597, B 190, H 39, HE 100	830	5250...9250	35...68	150		DALI
901734.00X.1	L 597, B 190, H 39, HE 100	840	5350...9600	35...68	153		on/off
901734.00X.1.76	L 597, B 190, H 39, HE 100	840	5350...9600	35...68	153		DALI
Lay-in luminaires for grid ceilings - for module 625							
Diffuser: plastic (PMMA), opal							
901739.00X.2	L 622, B 190, H 39, HE 100	927	3500...5850	32...62	109	112	on/off
901739.00X.2.76	L 622, B 190, H 39, HE 100	927	3500...5850	32...62	109	112	DALI
901739.00X	L 622, B 190, H 39, HE 100	830	4850...8450	35...68	139	112	on/off
901739.00X.76	L 622, B 190, H 39, HE 100	830	4850...8450	35...68	139	112	DALI
901739.00X.1	L 622, B 190, H 39, HE 100	840	4900...8750	35...68	140	112	on/off
901739.00X.1.76	L 622, B 190, H 39, HE 100	840	4900...8750	35...68	140	112	DALI
Optic lenses - symmetrical							
901736.00X.2	L 622, B 190, H 39, HE 100	927	4000...6750	32...62	125	30	on/off
901736.00X.2.76	L 622, B 190, H 39, HE 100	927	4000...6750	32...62	125	30	DALI
901737.00X.2	L 622, B 190, H 39, HE 100	927	4050...6850	32...62	127	85	on/off
901737.00X.2.76	L 622, B 190, H 39, HE 100	927	4050...6850	32...62	127	85	DALI
901736.00X	L 622, B 190, H 39, HE 100	830	5500...9700	35...68	157	30	on/off
901736.00X.76	L 622, B 190, H 39, HE 100	830	5500...9700	35...68	157	30	DALI
901737.00X	L 622, B 190, H 39, HE 100	830	5600...9850	35...68	160	85	on/off
901737.00X.76	L 622, B 190, H 39, HE 100	830	5600...9850	35...68	160	85	DALI
901736.00X.1	L 622, B 190, H 39, HE 100	840	5600...10000	35...68	160	30	on/off
901736.00X.1.76	L 622, B 190, H 39, HE 100	840	5600...10000	35...68	160	30	DALI
901737.00X.1	L 622, B 190, H 39, HE 100	840	5700...10200	35...68	163	85	on/off
901737.00X.1.76	L 622, B 190, H 39, HE 100	840	5700...10200	35...68	163	85	DALI
Optic lenses - asymmetrical							
901738.00X.2	L 622, B 190, H 39, HE 100	927	3850...6450	32...62	120		on/off
901738.00X.2.76	L 622, B 190, H 39, HE 100	927	3850...6450	32...62	120		DALI
901738.00X	L 622, B 190, H 39, HE 100	830	5250...9250	35...68	150		on/off
901738.00X.76	L 622, B 190, H 39, HE 100	830	5250...9250	35...68	150		DALI
901738.00X.1	L 622, B 190, H 39, HE 100	840	5350...9600	35...68	153		on/off
901738.00X.1.76	L 622, B 190, H 39, HE 100	840	5350...9600	35...68	153		DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

Optic lenses

LED 32 W ≈
2 x 28 W T16 (61 W Psys)
2 x 20 W HIT (46 W Psys)

LED 35 W ≈
2 x 35 W T16 (75 W Psys)
2 x 35 W HIT (86 W Psys)

LED 62 W ≈
3 x 28 W T16 (92 W Psys)
2 x 50 W HIT (120 W Psys)

LED 68 W ≈
4 x 35 W T16 (150 W Psys)
2 x 70 W HIT (159 W Psys)





Mounting frame for installation in suspended ceilings		Price Category 21
982867.00X	L 626, B 214, H 2, HE 150 two lamps, for module 600	
982869.00X	L 650, B 214, H 2, HE 150 two lamps, for module 625	





The application image shows:
DEECOS S

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460-461 462-465 466-469 470-475

DEECOS S
458-479


481 481 481

CALIDO CLICKBEAM
480-481


483

ARLINE
482-483


488-489

TX-MOVE
484-489


492-493

BEAMLINE SLIM
490-493



DEECOS S

Surface mounted projectors

ARCHITECTURE

- **Design-oriented:** Cylindrical shape with no visible cooling fins.
- **Variable:** MIRO-SILVER® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone.
- **Long service life:** High quality die-cast aluminium housing in three sizes.
- **Interchangeable:** 8 interchangeable lenses with different beam angles.
- **Individual:** Additional Superspot versions.

LIGHTING DESIGN

- **Standard:** Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality.
- **Anti-glare:** Black plastic ring and recessed LED to prevent glare from the side.
- **Versatile:** 7 different light colors with CRI >90 and special Food-LEDs available as standard.
- **True colours:** CRI >90 for the most realistic possible perception of colours of surroundings, obects and people.
- **Advantageous:** LED rated life 50000 h (L90/B10).
- **Optimum:** Colour tolerance within 2-steps MacAdam (2 SDCM).

INSTALLATION

- **Flexible:** Also suitable for wall mounting with circuit tracks.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.
- **Extensive:** The following accessories can be mounted without use of tools: interchangeable lenses, decorative glasses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.





Further luminaires of this series, see:

Indoor lighting | Pendant luminaires
Indoor lighting | Recessed projectors

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



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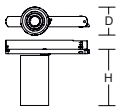
The application image shows:
DEECOS S



Comparison
LED vs. conventional lamps

LED 16 W ≈
1 x 20 W HIT (23 W Psys)

Surface mounted projectors | DEECOS S micro - Optic reflector



Type of protection: IP 20
Protection class: II
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Track-in driver integrated into the adapter. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With MIRO-SILVER® reflector. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Reflector spot							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742152.00X	D 60, H 110	927	1550	16	97	19	on/off
742152.00X.1	D 60, H 110	930	1700	16	107	19	on/off
742152.00X.2	D 60, H 110	940	1800	16	113	19	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742152.00X.76	D 60, H 110	927	1550	16	97	19	DALI
742152.00X.1.76	D 60, H 110	930	1700	16	107	19	DALI
742152.00X.2.76	D 60, H 110	940	1800	16	113	19	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742152.00X.730	D 60, H 110	927	1550	16	97	19	smart+free
742152.00X.1.730	D 60, H 110	930	1700	16	107	19	smart+free
742152.00X.2.730	D 60, H 110	940	1800	16	113	19	smart+free
Surface mounted projector - Reflector flood							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742153.00X	D 60, H 110	927	1500	16	94	38	on/off
742153.00X.1	D 60, H 110	930	1650	16	104	38	on/off
742153.00X.2	D 60, H 110	940	1750	16	110	38	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742153.00X.76	D 60, H 110	927	1500	16	94	38	DALI
742153.00X.1.76	D 60, H 110	930	1650	16	104	38	DALI
742153.00X.2.76	D 60, H 110	940	1750	16	110	38	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742153.00X.730	D 60, H 110	927	1500	16	94	38	smart+free
742153.00X.1.730	D 60, H 110	930	1650	16	104	38	smart+free
742153.00X.2.730	D 60, H 110	940	1750	16	110	38	smart+free





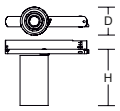




Accessories: Page 476

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Surface mounted projectors | DEECOS S micro - Optic lens



Type of protection: IP 20
Protection class: II
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Track-in driver integrated into the adapter. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With optical assembly polycarbonate lens. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Comparison
LED vs. conventional lamps

LED 16 W ≈
1 x 20 W HIT (23 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Spot lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742154.00X	D 60, H 110	927	1300	16	82	21	on/off
742154.00X.1	D 60, H 110	930	1450	16	91	21	on/off
742154.00X.2	D 60, H 110	940	1550	16	97	21	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742154.00X.76	D 60, H 110	927	1300	16	82	21	DALI
742154.00X.1.76	D 60, H 110	930	1450	16	91	21	DALI
742154.00X.2.76	D 60, H 110	940	1550	16	97	21	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742154.00X.730	D 60, H 110	927	1300	16	82	21	smart+free
742154.00X.1.730	D 60, H 110	930	1450	16	91	21	smart+free
742154.00X.2.730	D 60, H 110	940	1550	16	97	21	smart+free
Surface mounted projector - Medium lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742155.00X	D 60, H 110	927	1200	16	75	35	on/off
742155.00X.1	D 60, H 110	930	1300	16	82	35	on/off
742155.00X.2	D 60, H 110	940	1400	16	88	35	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742155.00X.76	D 60, H 110	927	1200	16	75	35	DALI
742155.00X.1.76	D 60, H 110	930	1300	16	82	35	DALI
742155.00X.2.76	D 60, H 110	940	1400	16	88	35	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742155.00X.730	D 60, H 110	927	1200	16	75	35	smart+free
742155.00X.1.730	D 60, H 110	930	1300	16	82	35	smart+free
742155.00X.2.730	D 60, H 110	940	1400	16	88	35	smart+free
Surface mounted projector - Wide flood lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742156.00X	D 60, H 110	927	1100	16	69	52	on/off
742156.00X.1	D 60, H 110	930	1200	16	75	52	on/off
742156.00X.2	D 60, H 110	940	1250	16	79	52	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742156.00X.76	D 60, H 110	927	1100	16	69	52	DALI
742156.00X.1.76	D 60, H 110	930	1200	16	75	52	DALI
742156.00X.2.76	D 60, H 110	940	1250	16	79	52	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742156.00X.730	D 60, H 110	927	1100	16	69	52	smart+free
742156.00X.1.730	D 60, H 110	930	1200	16	75	52	smart+free
742156.00X.2.730	D 60, H 110	940	1250	16	79	52	smart+free

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°





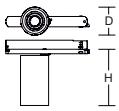




Accessories: Page 476



Surface mounted projectors | DEECOS S mini track-in - Optic reflector



Type of protection: IP 20
Protection class: II
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Track-in driver integrated into the adapter. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With MIRO-SILVER® reflector. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 W HIT (43 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Reflector spot							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742250.00X	D 87, H 135	930	2450	20	123	18	on/off
742250.00X.1	D 87, H 135	940	2550	20	128	18	on/off
742258.00X	D 87, H 135	930	3500	29	121	18	on/off
742258.00X.1	D 87, H 135	940	3550	29	123	18	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742250.00X.76	D 87, H 135	930	2450	20	123	18	DALI
742250.00X.1.76	D 87, H 135	940	2550	20	128	18	DALI
742258.00X.76	D 87, H 135	930	3500	29	121	18	DALI
742258.00X.1.76	D 87, H 135	940	3550	29	123	18	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742250.00X.730	D 87, H 135	930	2450	20	123	18	smart+free
742250.00X.1.730	D 87, H 135	940	2550	20	128	18	smart+free
742258.00X.730	D 87, H 135	930	3500	29	121	18	smart+free
742258.00X.1.730	D 87, H 135	940	3550	29	123	18	smart+free
Surface mounted projector - Reflector medium							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742251.00X	D 87, H 135	930	2400	20	120	31	on/off
742251.00X.1	D 87, H 135	940	2450	20	123	31	on/off
742259.00X	D 87, H 135	930	3350	29	116	31	on/off
742259.00X.1	D 87, H 135	940	3500	29	121	31	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742251.00X.76	D 87, H 135	930	2400	20	120	31	DALI
742251.00X.1.76	D 87, H 135	940	2450	20	123	31	DALI
742259.00X.76	D 87, H 135	930	3350	29	116	31	DALI
742259.00X.1.76	D 87, H 135	940	3500	29	121	31	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742251.00X.730	D 87, H 135	930	2400	20	120	31	smart+free
742251.00X.1.730	D 87, H 135	940	2450	20	123	31	smart+free
742259.00X.730	D 87, H 135	930	3350	29	116	31	smart+free
742259.00X.1.730	D 87, H 135	940	3500	29	121	31	smart+free
Surface mounted projector - Reflector wide flood							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742252.00X	D 87, H 135	930	2450	20	123	60	on/off
742252.00X.1	D 87, H 135	940	2550	20	128	60	on/off
742260.00X	D 87, H 135	930	3500	29	121	60	on/off
742260.00X.1	D 87, H 135	940	3650	29	126	60	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742252.00X.76	D 87, H 135	930	2450	20	123	60	DALI
742252.00X.1.76	D 87, H 135	940	2550	20	128	60	DALI
742260.00X.76	D 87, H 135	930	3500	29	121	60	DALI
742260.00X.1.76	D 87, H 135	940	3650	29	126	60	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742252.00X.730	D 87, H 135	930	2450	20	123	60	smart+free
742252.00X.1.730	D 87, H 135	940	2550	20	128	60	smart+free
742260.00X.730	D 87, H 135	930	3500	29	121	60	smart+free
742260.00X.1.730	D 87, H 135	940	3650	29	126	60	smart+free





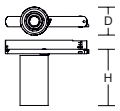




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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Surface mounted projectors | DEECOS S mini track-in - Optic lens





Type of protection: IP 20
Protection class: II
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Track-in driver integrated into the adapter. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With optical assembly polycarbonate lens. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Spot lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742253.00X	D 87, H 135	930	2150	20	108	20	on/off
742253.00X.1	D 87, H 135	940	2250	20	113	20	on/off
742261.00X	D 87, H 135	930	3050	29	106	20	on/off
742261.00X.1	D 87, H 135	940	3200	29	111	20	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742253.00X.76	D 87, H 135	930	2150	20	108	20	DALI
742253.00X.1.76	D 87, H 135	940	2250	20	113	20	DALI
742261.00X.76	D 87, H 135	930	3050	29	106	20	DALI
742261.00X.1.76	D 87, H 135	940	3200	29	111	20	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742253.00X.730	D 87, H 135	930	2150	20	108	20	smart+free
742253.00X.1.730	D 87, H 135	940	2250	20	113	20	smart+free
742261.00X.730	D 87, H 135	930	3050	29	106	20	smart+free
742261.00X.1.730	D 87, H 135	940	3200	29	111	20	smart+free
Surface mounted projector - Medium lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742254.00X	D 87, H 135	930	2050	20	103	31	on/off
742254.00X.1	D 87, H 135	940	2100	20	105	31	on/off
742262.00X	D 87, H 135	930	2900	29	100	31	on/off
742262.00X.1	D 87, H 135	940	3050	29	106	31	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742254.00X.76	D 87, H 135	930	2050	20	103	31	DALI
742254.00X.1.76	D 87, H 135	940	2100	20	105	31	DALI
742262.00X.76	D 87, H 135	930	2900	29	100	31	DALI
742262.00X.1.76	D 87, H 135	940	3050	29	106	31	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742254.00X.730	D 87, H 135	930	2050	20	103	31	smart+free
742254.00X.1.730	D 87, H 135	940	2100	20	105	31	smart+free
742262.00X.730	D 87, H 135	930	2900	29	100	31	smart+free
742262.00X.1.730	D 87, H 135	940	3050	29	106	31	smart+free
Surface mounted projector - Flood lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742255.00X	D 87, H 135	930	1900	20	95	44	on/off
742255.00X.1	D 87, H 135	940	2000	20	100	44	on/off
742263.00X	D 87, H 135	930	2750	29	95	44	on/off
742263.00X.1	D 87, H 135	940	2850	29	99	44	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742255.00X.76	D 87, H 135	930	1900	20	95	44	DALI
742255.00X.1.76	D 87, H 135	940	2000	20	100	44	DALI
742263.00X.76	D 87, H 135	930	2750	29	95	44	DALI
742263.00X.1.76	D 87, H 135	940	2850	29	99	44	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742255.00X.730	D 87, H 135	930	1900	20	95	44	smart+free
742255.00X.1.730	D 87, H 135	940	2000	20	100	44	smart+free
742263.00X.730	D 87, H 135	930	2750	29	95	44	smart+free
742263.00X.1.730	D 87, H 135	940	2850	29	99	44	smart+free
Surface mounted projector - Extra wide flood lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742256.00X	D 87, H 135	930	2200	20	110	72	on/off
742256.00X.1	D 87, H 135	940	2300	20	115	72	on/off
742264.00X	D 87, H 135	930	3100	29	107	72	on/off
742264.00X.1	D 87, H 135	940	3250	29	113	72	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742256.00X.76	D 87, H 135	930	2200	20	110	72	DALI
742256.00X.1.76	D 87, H 135	940	2300	20	115	72	DALI
742264.00X.76	D 87, H 135	930	3100	29	107	72	DALI
742264.00X.1.76	D 87, H 135	940	3250	29	113	72	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742256.00X.730	D 87, H 135	930	2200	20	110	72	smart+free
742256.00X.1.730	D 87, H 135	940	2300	20	115	72	smart+free
742264.00X.730	D 87, H 135	930	3100	29	107	72	smart+free
742264.00X.1.730	D 87, H 135	940	3250	29	113	72	smart+free

Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 W HIT (43 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°

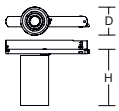


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Surface mounted projectors | DEECOS S mini track-in - Oval corridor optic lens



Type of protection: IP 20
Protection class: II
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Track-in driver integrated into the adapter. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With optical assembly polycarbonate lens. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Comparison LED vs. conventional lamps

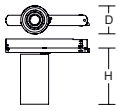
LED 20 W ≈
1 x 20 W HIT (23 W Psys)

LED 29 W ≈
1 x 35 W HIT (43 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Oval corridor lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742257.00X	D 87, H 135	930	1850	20	93	40/28	on/off
742257.00X.1	D 87, H 135	940	1950	20	98	40/28	on/off
742265.00X	D 87, H 135	930	2650	29	92	40/28	on/off
742265.00X.1	D 87, H 135	940	2750	29	95	40/28	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742257.00X.76	D 87, H 135	930	1850	20	93	40/28	DALI
742257.00X.1.76	D 87, H 135	940	1950	20	98	40/28	DALI
742265.00X.76	D 87, H 135	930	2650	29	92	40/28	DALI
742265.00X.1.76	D 87, H 135	940	2750	29	95	40/28	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742257.00X.730	D 87, H 135	930	1850	20	93	40/28	smart+free
742257.00X.1.730	D 87, H 135	940	1950	20	98	40/28	smart+free
742265.00X.730	D 87, H 135	930	2650	29	92	40/28	smart+free
742265.00X.1.730	D 87, H 135	940	2750	29	95	40/28	smart+free



Surface mounted projectors | DEECOS S mini track-in - Superspot optic lens



Type of protection: IP 20
Protection class: II
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Track-in driver integrated into the adapter. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With optical assembly polycarbonate lens and small spot LED. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison LED vs. conventional lamps

LED 22 W ≈
1 x 35 W HIT (43 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Superspot lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742249.00X	D 87, H 135	930	1900	22	87	15	on/off
742249.00X.1	D 87, H 135	940	2100	22	96	15	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742249.00X.76	D 87, H 135	930	1900	22	87	15	DALI
742249.00X.1.76	D 87, H 135	940	2100	22	96	15	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742249.00X.730	D 87, H 135	930	1900	22	87	15	smart+free
742249.00X.1.730	D 87, H 135	940	2100	22	96	15	smart+free

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°



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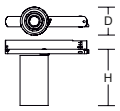






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# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Surface mounted projectors | DEECOS S mini track-in - Superspot optic reflector



Type of protection: IP 20
Protection class: II
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Track-in driver integrated into the adapter. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With MIRO-SILVER® reflector and small spot LED. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	α [°]	Lighting control
Surface mounted projector - Reflector superspot							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742248.00X	D 87, H 135	930	2150	22	98	13	on/off
742248.00X.1	D 87, H 135	940	2350	22	107	13	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742248.00X.76	D 87, H 135	930	2150	22	98	13	DALI
742248.00X.1.76	D 87, H 135	940	2350	22	107	13	DALI
with Casambi smart+free multi-adapter for 3-phase conductor rails 230 V							
742248.00X.730	D 87, H 135	930	2150	22	98	13	smart+free
742248.00X.1.730	D 87, H 135	940	2350	22	107	13	smart+free

Comparison
LED vs. conventional lamps

LED 22 W ≈
1 x 35 W HIT (43 W Psys)









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The application image shows:
DEECOS S

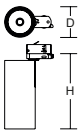


Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 W HIT (43 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)

Surface mounted projectors | DEECOS S mini - Optic reflector



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With MIRO-SILVER® reflector. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Reflector spot							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742195.00X	D 87, H 214	930	2450	20	123	18	on/off
742195.00X.1	D 87, H 214	940	2550	20	128	18	on/off
742203.00X	D 87, H 214	930	3500	29	121	18	on/off
742203.00X.1	D 87, H 214	940	3550	29	123	18	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742195.00X.76	D 87, H 214	930	2450	20	123	18	DALI
742195.00X.1.76	D 87, H 214	940	2550	20	128	18	DALI
742203.00X.76	D 87, H 214	930	3500	29	121	18	DALI
742203.00X.1.76	D 87, H 214	940	3550	29	123	18	DALI
Surface mounted projector - Reflector medium							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742196.00X	D 87, H 214	930	2400	20	120	31	on/off
742196.00X.1	D 87, H 214	940	2450	20	123	31	on/off
742204.00X	D 87, H 214	930	3350	29	116	31	on/off
742204.00X.1	D 87, H 214	940	3500	29	121	31	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742196.00X.76	D 87, H 214	930	2400	20	120	31	DALI
742196.00X.1.76	D 87, H 214	940	2450	20	123	31	DALI
742204.00X.76	D 87, H 214	930	3350	29	116	31	DALI
742204.00X.1.76	D 87, H 214	940	3500	29	121	31	DALI
Surface mounted projector - Reflector wide flood							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742197.00X	D 87, H 214	930	2450	20	123	60	on/off
742197.00X.1	D 87, H 214	940	2550	20	128	60	on/off
742205.00X	D 87, H 214	930	3500	29	121	60	on/off
742205.00X.1	D 87, H 214	940	3650	29	126	60	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742197.00X.76	D 87, H 214	930	2450	20	123	60	DALI
742197.00X.1.76	D 87, H 214	940	2550	20	128	60	DALI
742205.00X.76	D 87, H 214	930	3500	29	121	60	DALI
742205.00X.1.76	D 87, H 214	940	3650	29	126	60	DALI



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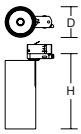






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# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Surface mounted projectors | DEECOS S mini - Optic lens



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With optical assembly polycarbonate lens. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Spot lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742198.00X	D 87, H 214	930	2150	20	108	20	on/off
742198.00X.1	D 87, H 214	940	2250	20	113	20	on/off
742206.00X	D 87, H 214	930	3050	29	106	20	on/off
742206.00X.1	D 87, H 214	940	3200	29	111	20	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742198.00X.76	D 87, H 214	930	2150	20	108	20	DALI
742198.00X.1.76	D 87, H 214	940	2250	20	113	20	DALI
742206.00X.76	D 87, H 214	930	3050	29	106	20	DALI
742206.00X.1.76	D 87, H 214	940	3200	29	111	20	DALI
Surface mounted projector - Medium lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742199.00X	D 87, H 214	930	2050	20	103	31	on/off
742199.00X.1	D 87, H 214	940	2100	20	105	31	on/off
742207.00X	D 87, H 214	930	2900	29	100	31	on/off
742207.00X.1	D 87, H 214	940	3050	29	106	31	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742199.00X.76	D 87, H 214	930	2050	20	103	31	DALI
742199.00X.1.76	D 87, H 214	940	2100	20	105	31	DALI
742207.00X.76	D 87, H 214	930	2900	29	100	31	DALI
742207.00X.1.76	D 87, H 214	940	3050	29	106	31	DALI
Surface mounted projector - Flood lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742200.00X	D 87, H 214	930	1900	20	95	44	on/off
742200.00X.1	D 87, H 214	940	2000	20	100	44	on/off
742208.00X	D 87, H 214	930	2750	29	95	44	on/off
742208.00X.1	D 87, H 214	940	2850	29	99	44	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742200.00X.76	D 87, H 214	930	1900	20	95	44	DALI
742200.00X.1.76	D 87, H 214	940	2000	20	100	44	DALI
742208.00X.76	D 87, H 214	930	2750	29	95	44	DALI
742208.00X.1.76	D 87, H 214	940	2850	29	99	44	DALI
Surface mounted projector - Extra wide flood lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742201.00X	D 87, H 214	930	2200	20	110	72	on/off
742201.00X.1	D 87, H 214	940	2300	20	115	72	on/off
742209.00X	D 87, H 214	930	3100	29	107	72	on/off
742209.00X.1	D 87, H 214	940	3250	29	113	72	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742201.00X.76	D 87, H 214	930	2200	20	110	72	DALI
742201.00X.1.76	D 87, H 214	940	2300	20	115	72	DALI
742209.00X.76	D 87, H 214	930	3100	29	107	72	DALI
742209.00X.1.76	D 87, H 214	940	3250	29	113	72	DALI

Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 W HIT (43 W Psys)

LED 29 W ≈
1 x 50 W HIT (56 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°









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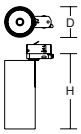


Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 20 W HIT (23 W Psys)

LED 29 W ≈
1 x 35 W HIT (43 W Psys)

Surface mounted projectors | DEECOS S mini - Oval corridor optic lens



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°.
Heat resistant plastic ring black. With optical assembly polycarbonate lens. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

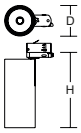
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Oval corridor lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742202.00X	D 87, H 214	930	1850	20	93	40/28	on/off
742202.00X.1	D 87, H 214	940	1950	20	98	40/28	on/off
742210.00X	D 87, H 214	930	2650	29	92	40/28	on/off
742210.00X.1	D 87, H 214	940	2750	29	95	40/28	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742202.00X.76	D 87, H 214	930	1850	20	93	40/28	DALI
742202.00X.1.76	D 87, H 214	940	1950	20	98	40/28	DALI
742210.00X.76	D 87, H 214	930	2650	29	92	40/28	DALI
742210.00X.1.76	D 87, H 214	940	2750	29	95	40/28	DALI



Comparison
LED vs. conventional lamps

LED 22 W ≈
1 x 35 W HIT (43 W Psys)

Surface mounted projectors | DEECOS S mini - Superspot optic lens



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°.
Heat resistant plastic ring black. With optical assembly polycarbonate lens and small spot LED. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Superspot lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742194.00X	D 87, H 214	930	1900	22	87	15	on/off
742194.00X.1	D 87, H 214	940	2100	22	96	15	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742194.00X.76	D 87, H 214	930	1900	22	87	15	DALI
742194.00X.1.76	D 87, H 214	940	2100	22	96	15	DALI

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°





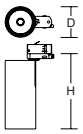




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Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Surface mounted projectors | DEECOS S mini - Superspot optic reflector



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With MIRO-SILVER® reflector and small spot LED. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	α [°]	Lighting control
Surface mounted projector - Reflector superspot							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742193.00X	D 87, H 214	930	2150	22	98	13	on/off
742193.00X.1	D 87, H 214	940	2350	22	107	13	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742193.00X.76	D 87, H 214	930	2150	22	98	13	DALI
742193.00X.1.76	D 87, H 214	940	2350	22	107	13	DALI



Comparison
LED vs. conventional lamps

LED 22 W ≈
1 x 35 W HIT (43 W Psys)









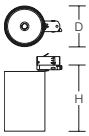
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The application image shows:
DEECOS S



Surface mounted projectors | DEECOS S maxi - Optic reflector



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With MIRO-SILVER® reflector. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

With system power 25 W and 35 W, light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com

Comparison LED vs. conventional lamps

LED 25 W ≈
1 x 35 W HIT (43 W Psys)

LED 35 W ≈
1 x 50 W HIT (56 W Psys)

LED 43 W ≈
1 x 70 W HIT (84 W Psys)

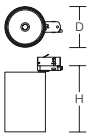
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Reflector spot							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742213.00X	D 123, H 200	930	3050	25	122	12	on/off
742213.00X.1	D 123, H 200	940	3200	25	128	12	on/off
742220.00X	D 123, H 200	930	4000	35	115	12	on/off
742220.00X.1	D 123, H 200	940	4200	35	120	12	on/off
742180.00X	D 123, H 200	930	5050	43	118	17	on/off
742180.00X.1	D 123, H 200	940	5400	43	126	17	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742213.00X.76	D 123, H 200	930	3050	25	122	12	DALI
742213.00X.1.76	D 123, H 200	940	3200	25	128	12	DALI
742220.00X.76	D 123, H 200	930	4000	35	115	12	DALI
742220.00X.1.76	D 123, H 200	940	4200	35	120	12	DALI
742180.00X.76	D 123, H 200	930	5050	43	118	17	DALI
742180.00X.1.76	D 123, H 200	940	5400	43	126	17	DALI
Surface mounted projector - Reflector medium							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742214.00X	D 123, H 200	930	3150	25	126	21	on/off
742214.00X.1	D 123, H 200	940	3300	25	132	21	on/off
742221.00X	D 123, H 200	930	4200	35	120	21	on/off
742221.00X.1	D 123, H 200	940	4300	35	123	21	on/off
742181.00X	D 123, H 200	930	5100	43	119	24	on/off
742181.00X.1	D 123, H 200	940	5500	43	128	24	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742214.00X.76	D 123, H 200	930	3150	25	126	21	DALI
742214.00X.1.76	D 123, H 200	940	3300	25	132	21	DALI
742221.00X.76	D 123, H 200	930	4200	35	120	21	DALI
742221.00X.1.76	D 123, H 200	940	4300	35	123	21	DALI
742181.00X.76	D 123, H 200	930	5100	43	119	24	DALI
742181.00X.1.76	D 123, H 200	940	5500	43	128	24	DALI
Surface mounted projector - Reflector flood							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742215.00X	D 123, H 200	930	3150	25	126	33	on/off
742215.00X.1	D 123, H 200	940	3350	25	134	33	on/off
742222.00X	D 123, H 200	930	4200	35	120	33	on/off
742222.00X.1	D 123, H 200	940	4350	35	125	33	on/off
742182.00X	D 123, H 200	930	4950	43	116	38	on/off
742182.00X.1	D 123, H 200	940	5300	43	124	38	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742215.00X.76	D 123, H 200	930	3150	25	126	33	DALI
742215.00X.1.76	D 123, H 200	940	3350	25	134	33	DALI
742222.00X.76	D 123, H 200	930	4200	35	120	33	DALI
742222.00X.1.76	D 123, H 200	940	4350	35	125	33	DALI
742182.00X.76	D 123, H 200	930	4950	43	116	38	DALI
742182.00X.1.76	D 123, H 200	940	5300	43	124	38	DALI
Surface mounted projector - Reflector wide flood							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742216.00X	D 123, H 200	930	3050	25	122	65	on/off
742216.00X.1	D 123, H 200	940	3200	25	128	65	on/off
742223.00X	D 123, H 200	930	3950	35	113	65	on/off
742223.00X.1	D 123, H 200	940	4200	35	120	65	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742216.00X.76	D 123, H 200	930	3050	25	122	65	DALI
742216.00X.1.76	D 123, H 200	940	3200	25	128	65	DALI
742223.00X.76	D 123, H 200	930	3950	35	113	65	DALI
742223.00X.1.76	D 123, H 200	940	4200	35	120	65	DALI



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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Surface mounted projectors | DEECOS S maxi - Optic lens



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With optical assembly polycarbonate lens. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

With system power 25 W and 35 W, light colours 927 and 935 also available as standard articles - see www.rzb-lighting.com



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Spot lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742217.00X	D 123, H 200	930	2700	25	108	13	on/off
742217.00X.1	D 123, H 200	940	2800	25	112	13	on/off
742224.00X	D 123, H 200	930	3500	35	100	13	on/off
742224.00X.1	D 123, H 200	940	3700	35	106	13	on/off
742183.00X	D 123, H 200	930	4050	43	95	18	on/off
742183.00X.1	D 123, H 200	940	4350	43	102	18	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742217.00X.76	D 123, H 200	930	2700	25	108	13	DALI
742217.00X.1.76	D 123, H 200	940	2800	25	112	13	DALI
742224.00X.76	D 123, H 200	930	3500	35	100	13	DALI
742224.00X.1.76	D 123, H 200	940	3700	35	106	13	DALI
742183.00X.76	D 123, H 200	930	4050	43	95	18	DALI
742183.00X.1.76	D 123, H 200	940	4350	43	102	18	DALI
Surface mounted projector - Medium lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742218.00X	D 123, H 200	930	2600	25	104	31	on/off
742218.00X.1	D 123, H 200	940	2700	25	108	31	on/off
742225.00X	D 123, H 200	930	3400	35	98	31	on/off
742225.00X.1	D 123, H 200	940	3550	35	102	31	on/off
742184.00X	D 123, H 200	930	3950	43	92	37	on/off
742184.00X.1	D 123, H 200	940	4250	43	99	37	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742218.00X.76	D 123, H 200	930	2600	25	104	31	DALI
742218.00X.1.76	D 123, H 200	940	2700	25	108	31	DALI
742225.00X.76	D 123, H 200	930	3400	35	98	31	DALI
742225.00X.1.76	D 123, H 200	940	3550	35	102	31	DALI
742184.00X.76	D 123, H 200	930	3950	43	92	37	DALI
742184.00X.1.76	D 123, H 200	940	4250	43	99	37	DALI
Surface mounted projector - Flood lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742219.00X	D 123, H 200	930	2650	25	106	42	on/off
742219.00X.1	D 123, H 200	940	2800	25	112	42	on/off
742226.00X	D 123, H 200	930	3450	35	99	42	on/off
742226.00X.1	D 123, H 200	940	3650	35	105	42	on/off
742185.00X	D 123, H 200	930	4150	43	97	45	on/off
742185.00X.1	D 123, H 200	940	4500	43	105	45	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742219.00X.76	D 123, H 200	930	2650	25	106	42	DALI
742219.00X.1.76	D 123, H 200	940	2800	25	112	42	DALI
742226.00X.76	D 123, H 200	930	3450	35	99	42	DALI
742226.00X.1.76	D 123, H 200	940	3650	35	105	42	DALI
742185.00X.76	D 123, H 200	930	4150	43	97	45	DALI
742185.00X.1.76	D 123, H 200	940	4500	43	105	45	DALI

Comparison LED vs. conventional lamps

LED 25 W ≈
1 x 35 W HIT (43 W Psys)

LED 35 W ≈
1 x 50 W HIT (56 W Psys)

LED 43 W ≈
1 x 70 W HIT (84 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°









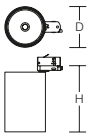
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The application image shows:
DEECOS S

© Linus Lintner

Surface mounted projectors | DEECOS S maxi - Superspot optic reflector



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With MIRO-SILVER® reflector and small spot LED. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

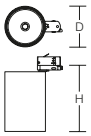
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Reflector superspot							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742211.00X	D 123, H 200	930	2150	22	98	9	on/off
742211.00X.1	D 123, H 200	940	2300	22	105	9	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742211.00X.76	D 123, H 200	930	2150	22	98	9	DALI
742211.00X.1.76	D 123, H 200	940	2300	22	105	9	DALI



Comparison
LED vs. conventional lamps

LED 22 W ≈
1 x 35 W HIT (43 W Psys)

Surface mounted projectors | DEECOS S maxi - Superspot optic lens



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With optical assembly polycarbonate lens and small spot LED. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Superspot lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742212.00X	D 123, H 200	930	1850	22	85	10	on/off
742212.00X.1	D 123, H 200	940	2050	22	94	10	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742212.00X.76	D 123, H 200	930	1850	22	85	10	DALI
742212.00X.1.76	D 123, H 200	940	2050	22	94	10	DALI



Comparison
LED vs. conventional lamps

LED 22 W ≈
1 x 35 W HIT (43 W Psys)

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°





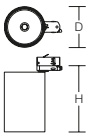




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Surface mounted projectors | DEECOS S maxi - Food optic reflector



Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With MIRO-SILVER® reflector and special food LED. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Food LED light colours show food in its best light:

- **bakery** (golden yellow): Baked goods look fresher and the colours are more intense
- **fresh meat** (reddish white): Fresh presentation of sausages and meat, white parts remain white
- **meat +** (intense red): The red colour of sausages and meat is highlighted

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Reflector spot							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742241.00X.2	D 123, H 200	bakery	3300	33	100	17	on/off
742227.00X	D 123, H 200	fresh meat	2100	33	64	17	on/off
742234.00X	D 123, H 200	meat +	2200	33	67	17	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742241.00X.2.76	D 123, H 200	bakery	3300	33	100	17	DALI
742227.00X.76	D 123, H 200	fresh meat	2100	33	64	17	DALI
742234.00X.76	D 123, H 200	meat +	2200	33	67	17	DALI
Surface mounted projector - Reflector medium							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742242.00X.2	D 123, H 200	bakery	3400	33	104	23	on/off
742228.00X	D 123, H 200	fresh meat	2150	33	66	23	on/off
742235.00X	D 123, H 200	meat +	2250	33	69	23	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742242.00X.2.76	D 123, H 200	bakery	3400	33	104	23	DALI
742228.00X.76	D 123, H 200	fresh meat	2150	33	66	23	DALI
742235.00X.76	D 123, H 200	meat +	2250	33	69	23	DALI
Surface mounted projector - Reflector flood							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742243.00X.2	D 123, H 200	bakery	3450	33	105	33	on/off
742229.00X	D 123, H 200	fresh meat	2150	33	66	33	on/off
742236.00X	D 123, H 200	meat +	2250	33	69	33	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742243.00X.2.76	D 123, H 200	bakery	3450	33	105	33	DALI
742229.00X.76	D 123, H 200	fresh meat	2150	33	66	33	DALI
742236.00X.76	D 123, H 200	meat +	2250	33	69	33	DALI
Surface mounted projector - Reflector wide flood							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742244.00X.2	D 123, H 200	bakery	3300	33	100	67	on/off
742230.00X	D 123, H 200	fresh meat	2050	33	63	67	on/off
742237.00X	D 123, H 200	meat +	2150	33	66	67	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742244.00X.2.76	D 123, H 200	bakery	3300	33	100	67	DALI
742230.00X.76	D 123, H 200	fresh meat	2050	33	63	67	DALI
742237.00X.76	D 123, H 200	meat +	2150	33	66	67	DALI



Accessories: Page 478



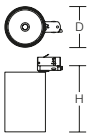






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Surface mounted projectors | DEECOS S maxi - Food optic lens





Type of protection: IP 20
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°.
Heat resistant plastic ring black. With optical assembly polycarbonate lens and special food LED.
With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks.
Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Food LED light colours show food in its best light:

- **bakery** (golden yellow): Baked goods look fresher and the colours are more intense
- **fresh meat** (reddish white): Fresh presentation of sausages and meat, white parts remain white
- **meat +** (intense red): The red colour of sausages and meat is highlighted

	superspot	<10°
	spot	10°-20°
	medium	>20°-35°
	flood	>35°-45°
	wide flood	>45°-70°
	extra wide flood	>70°

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector - Spot lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742245.00X.2	D 123, H 200	bakery	2950	33	90	17	on/off
742231.00X	D 123, H 200	fresh meat	1800	33	55	17	on/off
742238.00X	D 123, H 200	meat +	1900	33	58	17	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742245.00X.2.76	D 123, H 200	bakery	2950	33	90	17	DALI
742231.00X.76	D 123, H 200	fresh meat	1800	33	55	17	DALI
742238.00X.76	D 123, H 200	meat +	1900	33	58	17	DALI
Surface mounted projector - Medium lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742246.00X.2	D 123, H 200	bakery	2850	33	87	35	on/off
742232.00X	D 123, H 200	fresh meat	1750	33	54	35	on/off
742239.00X	D 123, H 200	meat +	1850	33	57	35	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742246.00X.2.76	D 123, H 200	bakery	2850	33	87	35	DALI
742232.00X.76	D 123, H 200	fresh meat	1750	33	54	35	DALI
742239.00X.76	D 123, H 200	meat +	1850	33	57	35	DALI
Surface mounted projector - Flood lens							**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V							
742247.00X.2	D 123, H 200	bakery	2900	33	88	44	on/off
742233.00X	D 123, H 200	fresh meat	1800	33	55	44	on/off
742240.00X	D 123, H 200	meat +	1900	33	58	44	on/off
with DALI adapter only for RZB 3-circuit DALI track 230 V							
742247.00X.2.76	D 123, H 200	bakery	2900	33	88	44	DALI
742233.00X.76	D 123, H 200	fresh meat	1800	33	55	44	DALI
742240.00X.76	D 123, H 200	meat +	1900	33	58	44	DALI



Accessories: Page 478







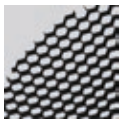




Accessories | DEECOS S micro




Diffuser			Price Category 21
982802.000	D 49, H 3	Safety glass, clear.	
982802.010	D 49, H 3	Safety glass, satin finish.	



Anti-glare honeycomb louvre			Price Category 21
982801.003	D 51, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982806.002	D 57, H 16	White plastic ring for reflector.	
982807.002	D 57, H 16	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982804.003	D 57, H 34	Spot lens, narrow beam	
982804.013	D 57, H 34	Medium lens, medium beam	
982804.023	D 57, H 34	Flood lens, wide beam	
982805.003	D 57, H 34	Lens with oval light distribution for corridor	
982803.003	D 57, H 34	Reflector spot, narrow beam	
982803.013	D 57, H 34	Reflector flood, wide beam	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Accessories | DEECOS S mini track-in
DEECOS S mini





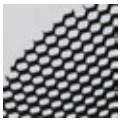
Diffuser			Price Category 21
982370.000	D 74, H 3	Safety glass, clear.	
982370.010	D 74, H 3	Safety glass, satin finish.	



Decorative glasses			Price Category 21
982647.002	D 87, H 41	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	
982648.002	D 87, H 76	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	



Anti-glare honeycomb louvre			Price Category 21
982371.003	D 74, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982419.002	D 82, H 20	White plastic ring for reflector.	
982421.002	D 82, H 31	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982368.003	D 82, H 55	Reflector spot, narrow beam	
982368.013	D 82, H 55	Reflector medium, medium beam	
982368.023	D 82, H 55	Reflector flood, wide beam	
982368.033	D 82, H 55	Reflector wide flood, very wide beam	
982369.003	D 82, H 55	Spot lens, narrow beam	
982369.013	D 82, H 55	Medium lens, medium beam	
982369.023	D 82, H 55	Flood lens, wide beam	
982369.033	D 82, H 55	Extra wide flood lens, extremly wide beam	
982369.043	D 82, H 55	Lens with oval light distribution for corridor	



Point outlet for 3-circuit multi adaptor

Type of protection: IP 20
Protection class: I

Housing: plastic. Cable inlets: break-off (one inlet on the side, three on the back).
250 V/10 A, F max. 50 N [5 kg].

Available colours (X): 2 = white, 3 = black, 9 = grey

Surface mounted point outlet		Price Category 21
70319.00X	D 100, H 32	

Not suitable for versions with track-in converter and DALI integrated in the adapter.

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°



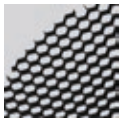
Accessories | DEECOS S maxi




Diffuser			Price Category 21
982374.000	D 111, H 3	Safety glass, clear.	
982374.010	D 111, H 3	Safety glass, satin finish.	




Decorative glasses			Price Category 21
982649.002	D 123, H 41	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	
982650.002	D 123, H 76	Diffuser: mouth-blown opal glass, satin finish with bayonet lock.	



Anti-glare honeycomb louvre			Price Category 21
982375.003	D 111, H 3	Aluminium, anodised matt black.	



Interchangeable plastic rings			Price Category 21
982420.002	D 118, H 20	White plastic ring for reflector.	
982422.002	D 118, H 33	White plastic ring for lens.	



Interchangeable optics			Price Category 21
982372.003	D 118, H 83	Reflector spot, narrow beam	
982372.013	D 118, H 83	Reflector medium, medium beam	
982372.023	D 118, H 83	Reflector flood, wide beam	
982372.033	D 118, H 83	Reflector wide flood, very wide beam	
982373.003	D 118, H 83	Spot lens, narrow beam	
982373.013	D 118, H 83	Medium lens, medium beam	
982373.023	D 118, H 83	Flood lens, wide beam	

Point outlet for 3-circuit multi adaptor

Type of protection: IP 20
Protection class: I

Housing: plastic. Cable inlets: break-off (one inlet on the side, three on the back).
250 V/10 A, F max. 50 N [5 kg].

Available colours (X): 2 = white, 3 = black, 9 = grey

Surface mounted point outlet		Price Category 21
70319.00X	D 100, H 32	

Not suitable for versions with track-in converter and DALI integrated in the adapter.

superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



© Linus Lintner

The application image shows:
DEECOS S





CALIDO® CLICKBEAM

Surface mounted projectors

ARCHITECTURE

- **Design-oriented:** Cylindrical shape with no visible cooling fins.
- **Filigree:** Mini version features particularly compact dimensions.
- **Anti-glare:** Black front ring to prevent glare from the side.

LIGHTING DESIGN

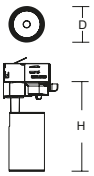
- **Homogenous:** Hybrid optical system with lens and reflector for homogeneous light distribution.
- **Advantageous:** Special polycarbonate lens suitable for different beam angles (medium, wide).
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).

INSTALLATION

- **Flexible:** Flexibility by Clickbeam.
- **Variable:** Adjustable lens position by means of push mechanism to adjust the beam angle.
- **Straightforward:** The following accessories can be mounted without use of tools: honeycomb louvre.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted projectors | CALIDO CLICKBEAM mini





Type of protection: IP 20
Protection class: II
Impact protection: IK03

Housing: extruded aluminium profile, powder-coated. Cover and lever arm made of plastic. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. Special polycarbonate lens suitable for different beam angles. Adjustable lens position by means of push mechanism to adjust the beam angle. With multi adaptor for 3-circuit tracks 230 V. Ceiling mounting.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector with multi adaptor for 3-circuit tracks 230 V							**Price Category 21**
742129.00X	D 50, H 132	828	1000/1150	12/12	96	21/34 Clickbeam	on/off
742129.00X.1	D 50, H 132	840	1250/1300	12/12	109	21/34 Clickbeam	on/off

Anti-glare honeycomb louvre			**Price Category 21**
982448.003	D 47, H 4	Anti-glare honeycomb louvre CALIDO mini	

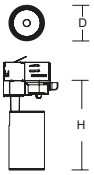
Surface mounted point outlet		**Price Category 21**
70319.00X	D 100, H 32	

Not suitable for versions with track-in converter and DALI integrated in the adapter.

Comparison LED vs. conventional lamps

LED 12 W ≈
1 x 20 W HIT (23 W Psys)

Surface mounted projectors | CALIDO CLICKBEAM midi





Type of protection: IP 20
Protection class: II
Impact protection: IK03

Housing: extruded aluminium profile, powder-coated. Cover and lever arm made of plastic. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. Special polycarbonate lens suitable for different beam angles. Adjustable lens position by means of push mechanism to adjust the beam angle. With multi adaptor for 3-circuit tracks 230 V. Ceiling mounting.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector with multi adaptor for 3-circuit tracks 230 V							**Price Category 21**
742130.00X	D 65, H 164	830	1900/1950	25/25	78	22/38 Clickbeam	on/off
742130.00X.1	D 65, H 164	840	1950/2000	25/25	80	22/38 Clickbeam	on/off

Anti-glare honeycomb louvre			**Price Category 21**
982544.003	D 55, H 4	Anti-glare honeycomb louvre CALIDO midi	

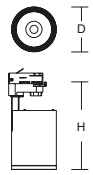
Surface mounted point outlet		**Price Category 21**
70319.00X	D 100, H 32	

Not suitable for versions with track-in converter and DALI integrated in the adapter.

Comparison LED vs. conventional lamps

LED 25 W ≈
1 x 35 W HIT (43 W Psys)

Surface mounted projectors | CALIDO CLICKBEAM maxi D90





Type of protection: IP 20
Protection class: I
Impact protection: IK03

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Front ring die-cast aluminium black. Hybrid optical system with polycarbonate lens and reflector in faceted aluminium. Special polycarbonate lens suitable for different beam angles. Adjustable lens position by means of push mechanism to adjust the beam angle. Converter integrated in the adapter. With multi adaptor for 3-circuit tracks 230 V. Ceiling mounting.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector with multi adaptor for 3-circuit tracks 230 V							**Price Category 21**
742165.00X	D 90, H 162	830	2700/2900	26/26	112	21/42 Clickbeam	on/off
742165.00X.1	D 90, H 162	840	2900/3100	26/26	120	21/42 Clickbeam	on/off
742166.00X	D 90, H 162	830	3400/3600	37/37	98	21/42 Clickbeam	on/off
742166.00X.1	D 90, H 162	840	3600/3800	37/37	103	21/42 Clickbeam	on/off

Anti-glare honeycomb louvre			**Price Category 21**
982810.003	D 90, H 5	Anti-glare honeycomb louvre CALIDO maxi D90	

Comparison LED vs. conventional lamps

LED 26 W ≈
1 x 35 W HIT (43 W Psys)

LED 37 W ≈
1 x 50 W HIT (56 W Psys)



ARLINE

Surface mounted projectors

ARCHITECTURE

- **Design-oriented:** Surface mounted spotlight with modern flat design without visible cooling fins.
- **Flexible:** Exchangeable lens optic for four different beam angles, narrow, medium, wide, very wide.
- **Individual:** Decorative rings in four colours, exchangeable without tools.

LIGHTING DESIGN

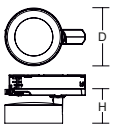
- **Variable:** MultiLumen - 2-step luminous flux can be adjusted on the adapter.
- **Homogenous:** Lens technology for the best homogeneity of the light cone.
- **True colours:** CRI >90 for the most realistic possible perception of colours of surroundings, obects and people.
- **Advantageous:** LED rated life 50000 h (L80/B10).
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).

INSTALLATION

- **Integrated:** Track-in driver integrated into the adapter.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted projectors | ARLINE





Type of protection: IP 20
Protection class: II
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°.
Plastic decorative ring, can be changed without tools. Lens optic: plastic (PMMA), exchangeable.
With multi adaptor for 3-circuit tracks 230 V. Track-in driver integrated into the adapter.
Ceiling mounting.

Available colours (X): 2 = white, 3 = black

MultiLumen: 2-step luminous flux adjustable on the adapter. Factory setting is the highest luminous flux.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector with multi adaptor for 3-circuit tracks 230 V							**Price Category 21**
742188.00X	D 120, H 150	930	2100/2550	20/25	105	15	on/off
742189.00X	D 120, H 150	930	2100/2550	20/25	105	36	on/off
742188.00X.1	D 120, H 150	940	2100/2550	20/25	105	15	on/off
742189.00X.1	D 120, H 150	940	2100/2550	20/25	105	36	on/off

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 20 / 25 W ≈
1 x 35 W HIT (43 W Psys)

Decorative rings			Price Category 21
982844.002	D 117, H 10	Decorative ring, white	
982844.003	D 117, H 10	Decorative ring, black	
982844.004	D 117, H 10	Decorative ring, silver	
982844.005	D 117, H 10	Decorative ring, golden	



Exchangeable lens optics			Price Category 21
982843.000	D 83, H 22	Lens spot, narrow beam	
982843.010	D 83, H 22	Lens medium, medium beam	
982843.020	D 83, H 22	Lens flood, wide beam	
982843.030	D 83, H 22	Lens wide flood, very wide beam	



superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°



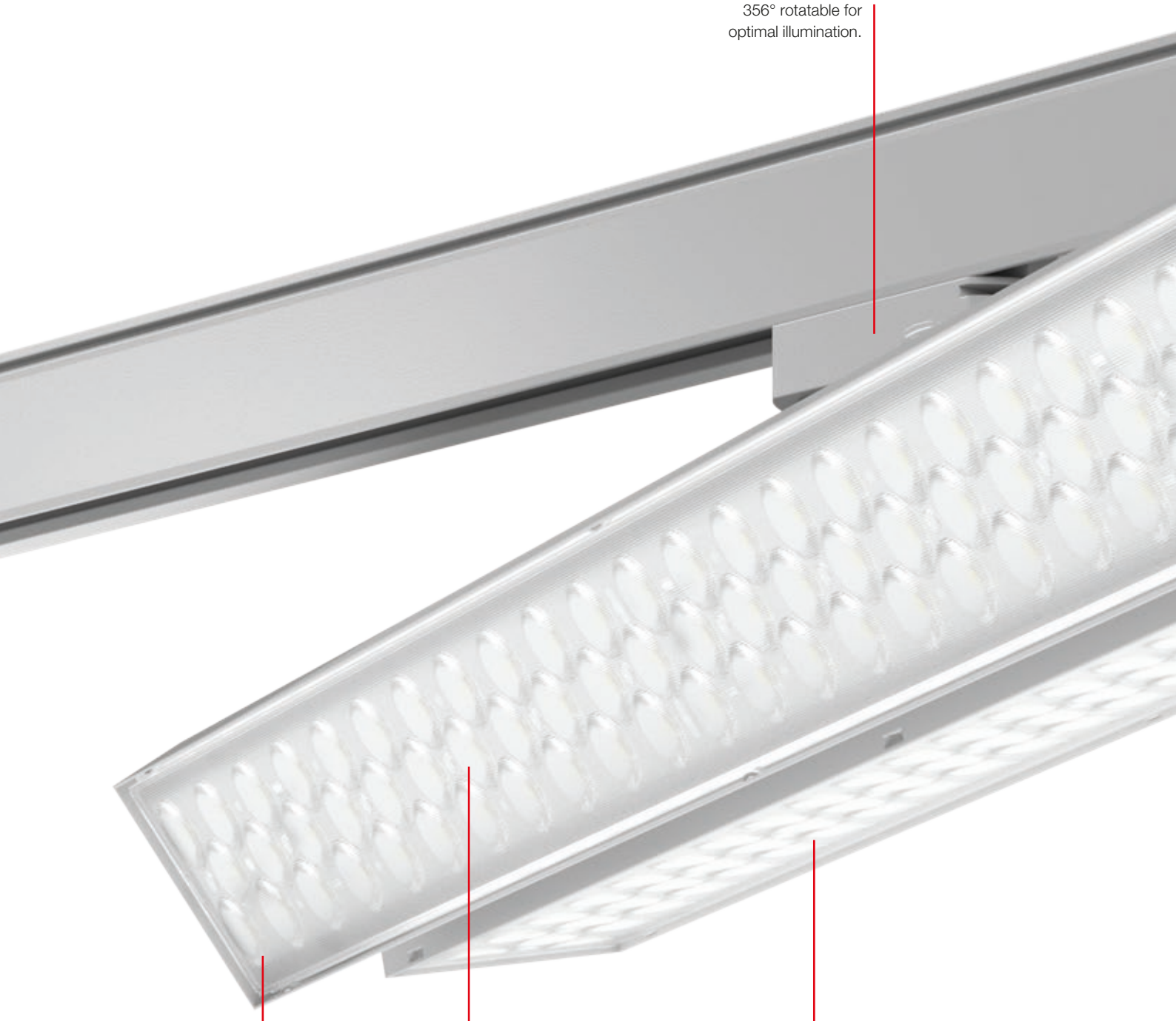







TX-MOVE

Everything at a glance



356° rotatable for optimal illumination.

Highly efficient LED units with optimum light control thanks to precise lens optics.

≤ 19 UGR

Very good glare control.
Versions with 30° beam angle UGR<19.

Special microstructures in the specially developed lens optics reduce the yellow corona to an absolute minimum.



MultiLumen

MultiLumen version:
3 steps adjustable luminous flux.

This allows the customer to set the luminous flux flexibly on site.

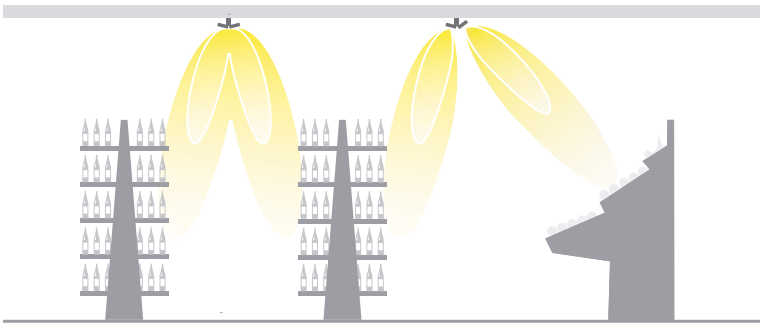
No disposable luminaire thanks to replaceable components.

Scaling of the swivel angle, 90° swivelling for optimal illumination.



CRI >90

Best colour rendering, versions with 2700 K CRI >90, particularly suitable for fresh products (fruit / vegetables, baked goods) or also for coloured textiles and objects.





MultiLumen | CRI >90 | DALI

TX-MOVE

Surface mounted projectors

ARCHITECTURE

- **Uniform:** For uniform ambient lighting of wide areas and focussed lighting of large advertising boards and shop shelves.
- **Versatile:** High-efficiency LED units with optimum light control thanks to clear plastic (PC) lens optics or flush-mounted opal diffuser made of non-yellowing PMMA.
- **Advantageous:** Unobtrusive effect thanks to flat design and also predestined for low ceiling heights.

LIGHTING DESIGN

- **True colours:** Best colour rendering with CRI>90 for fresh produce and coloured textiles.
- **Reduced:** Special microstructures in the specially developed lens optics reduce the yellow corona (caused by chromatic aberration) to an absolute minimum.
- **Anti-glare:** Versions with UGR≤19 can also be used in till areas.
- **Reliable planning:** Various beam variants: narrow, medium, wide, asymmetrical as standard, others on request.

INSTALLATION

- **Variable:** MultiLumen - 3-step adjustable luminous flux.
- **Easy installation:** Can be swivelled by 356° for optimal illumination.
- **Flexible:** Can be swivelled by 90° for optimal illumination, visible tilt scale.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.



Further luminaires of this series, see:
Indoor lighting | Recessed projectors

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

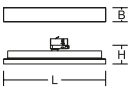


The application image shows:
TX-MOVE
DEECOS S

© Linus Lintner



Surface mounted projectors | TX-MOVE - one lamp



Type of protection: IP 20
Protection class: I
Impact protection: IK03 (Diffuser opal), IK04 (Optic lenses)

Housing: sheet steel, powder-coated. Rotation range: 356°. Swivel range: 90°. Consistent alignment possible with visible tilt scale. High-efficiency LED units with optimum light control thanks to clear plastic (PC) lens optics or flush-mounted opal diffuser made of non-yellowing PMMA. Driver integrated. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks.

MultiLumen: 3 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colour 835 also available as standard articles - see www.rzb-lighting.com

Comparison
LED vs. conventional lamps

Optic lenses
LED 18 W ≈
1 x 28 W T16 (31 W Psys)
1 x 20 W HIT (23 W Psys)

LED 19 W ≈
1 x 39 W T16 (41 W Psys)
1 x 35 W HIT (43 W Psys)

LED 33 W ≈
1 x 49 W T16 (53 W Psys)
1 x 50 W HIT (56 W Psys)

LED 40 W ≈
2 x 39 W T16 (82 W Psys)
1 x 70 W HIT (84 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector with multi adaptor for 3-circuit tracks 230 V							**Price Category 21**
Diffuser: plastic (PMMA), opal							
742160.00X.2	L 569, B 57, H 77	927	1700...2950	18...33	95	112	on/off
742160.00X	L 569, B 57, H 77	830	2350...4500	19...40	124	112	on/off
742160.00X.1	L 569, B 57, H 77	840	2450...4800	19...40	129	112	on/off
Optic lenses - symmetrical							
742157.00X.2	L 569, B 57, H 77	927	1950...3350	18...33	109	30	on/off
742158.00X.2	L 569, B 57, H 77	927	2000...3450	18...33	112	85	on/off
742157.00X	L 569, B 57, H 77	830	2700...5250	19...40	143	30	on/off
742158.00X	L 569, B 57, H 77	830	2750...5300	19...40	145	85	on/off
742157.00X.1	L 569, B 57, H 77	840	2850...5450	19...40	150	30	on/off
742158.00X.1	L 569, B 57, H 77	840	2900...5550	19...40	153	85	on/off
Optic lenses - asymmetrical							
742159.00X.2	L 569, B 57, H 77	927	1900...3300	18...33	106		on/off
742159.00X	L 569, B 57, H 77	830	2600...5000	19...40	137		on/off
742159.00X.1	L 569, B 57, H 77	840	2750...5250	19...40	145		on/off
Surface mounted projector with DALI adapter only for RZB 3-circuit DALI track 230 V							**Price Category 21**
Diffuser: plastic (PMMA), opal							
742160.00X.2.76	L 569, B 57, H 77	927	1700...2950	18...33	95	112	DALI
742160.00X.76	L 569, B 57, H 77	830	2350...4500	19...40	124	112	DALI
742160.00X.1.76	L 569, B 57, H 77	840	2450...4800	19...40	129	112	DALI
Optic lenses - symmetrical							
742157.00X.2.76	L 569, B 57, H 77	927	1950...3400	18...33	109	30	DALI
742158.00X.2.76	L 569, B 57, H 77	927	2000...3450	18...33	112	85	DALI
742157.00X.76	L 569, B 57, H 77	830	2700...5200	19...40	143	30	DALI
742158.00X.76	L 569, B 57, H 77	830	2750...5300	19...40	145	85	DALI
742157.00X.1.76	L 569, B 57, H 77	840	2850...5450	19...40	150	30	DALI
742158.00X.1.76	L 569, B 57, H 77	840	2900...5550	19...40	153	85	DALI
Optic lenses - asymmetrical							
742159.00X.2.76	L 569, B 57, H 77	927	1900...3300	18...33	106		DALI
742159.00X.76	L 569, B 57, H 77	830	2600...5000	19...40	137		DALI
742159.00X.1.76	L 569, B 57, H 77	840	2750...5250	19...40	145		DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Surface mounted point outlet		Price Category 21
70319.00X	D 100, H 32	

Not suitable for versions with track-in converter and DALI integrated in the adapter.





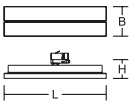






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Surface mounted projectors | TX-MOVE - two lamps





Type of protection: IP 20
Protection class: I
Impact protection: IK03 (Diffuser opal), IK04 (Optic lenses)

Housing: sheet steel, powder-coated. Rotation range: 356°. Swivel range: 2 x 90°. Consistent alignment possible with visible tilt scale. High-efficiency LED units with optimum light control thanks to clear plastic (PC) lens optics or flush-mounted opal diffuser made of non-yellowing PMMA. Driver integrated. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks.

MultiLumen: 3 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Available colours (X): 2 = white, 3 = black, 4 = silver

Light colour 835 also available as standard articles - see www.rzb-lighting.com

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector with multi adaptor for 3-circuit tracks 230 V							**Price Category 21**
Diffuser: plastic (PMMA), opal							
742164.00X.2	L 569, B 119, H 75	927	3600...5550	38...62	95	112	on/off
742164.00X	L 569, B 119, H 75	830	4900...8150	41...73	120	112	on/off
742164.00X.1	L 569, B 119, H 75	840	5250...8750	41...73	129	112	on/off
Optic lenses - symmetrical							
742161.00X.2	L 569, B 119, H 75	927	4250...6600	38...62	112	30	on/off
742162.00X.2	L 569, B 119, H 75	927	4300...6650	38...62	114	85	on/off
742161.00X	L 569, B 119, H 75	830	5800...9600	41...73	142	30	on/off
742162.00X	L 569, B 119, H 75	830	5850...9700	41...73	143	85	on/off
742161.00X.1	L 569, B 119, H 75	840	6250...10400	41...73	153	30	on/off
742162.00X.1	L 569, B 119, H 75	840	6300...10400	41...73	154	85	on/off
Optic lenses - asymmetrical							
742163.00X.2	L 569, B 119, H 75	927	4000...6200	38...62	106		on/off
742163.00X	L 569, B 119, H 75	830	5500...9050	41...73	135		on/off
742163.00X.1	L 569, B 119, H 75	840	5900...9750	41...73	144		on/off

Surface mounted projector with DALI adapter only for RZB 3-circuit DALI track 230 V							**Price Category 21**
Diffuser: plastic (PMMA), opal							
742164.00X.2.76	L 569, B 119, H 75	927	3550...5500	38...62	94	112	DALI
742164.00X.76	L 569, B 119, H 75	830	4900...8150	41...73	120	112	DALI
742164.00X.1.76	L 569, B 119, H 75	840	5250...8750	41...73	129	112	DALI
Optic lenses - symmetrical							
742161.00X.2.76	L 569, B 119, H 75	927	4200...6500	38...62	111	30	DALI
742162.00X.2.76	L 569, B 119, H 75	927	4200...6550	38...62	111	85	DALI
742161.00X.76	L 569, B 119, H 75	830	5800...9600	41...73	142	30	DALI
742162.00X.76	L 569, B 119, H 75	830	5850...9700	41...73	143	85	DALI
742161.00X.1.76	L 569, B 119, H 75	840	6250...10400	41...73	153	30	DALI
742162.00X.1.76	L 569, B 119, H 75	840	6300...10400	41...73	154	85	DALI
Optic lenses - asymmetrical							
742163.00X.2.76	L 569, B 119, H 75	927	3950...6150	38...62	104		DALI
742163.00X.76	L 569, B 119, H 75	830	5500...9050	41...73	135		DALI
742163.00X.1.76	L 569, B 119, H 75	840	5900...9750	41...73	144		DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

Optic lenses

LED 38 W ≈
2 x 28 W T16 (61 W Psys)
2 x 20 W HIT (46 W Psys)

LED 41 W ≈
2 x 35 W T16 (75 W Psys)
2 x 35 W HIT (86 W Psys)

LED 62 W ≈
3 x 28 W T16 (92 W Psys)
2 x 50 W HIT (120 W Psys)

LED 73 W ≈
4 x 35 W T16 (150 W Psys)
2 x 70 W HIT (159 W Psys)

Surface mounted point outlet		**Price Category 21**
70319.00X	D 100, H 32	

Not suitable for versions with track-in converter and DALI integrated in the adapter.











CRI >90 | DALI | Plug & Play

reddot winner 2022

GERMAN DESIGN AWARD WINNER 2022

BEAMLINE SLIM

Surface mounted projectors

ARCHITECTURE

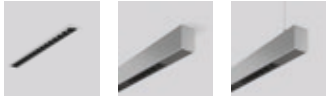
- **Design-oriented:** Light perfectly integrated into the architectural environment.
- **Filigree:** LED luminaire with slim design.
- **Extensive:** Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use.

LIGHTING DESIGN

- **Anti-glare:** MRS technology for pleasant, glare-free lighting (UGR < 10).
- **Optimum:** Darklight effect.
- **True colours:** CRI >90 for the most realistic possible perception of colours of surroundings, obects and people.
- **Advantageous:** LED rated life 50000 h (L80/B10).

INSTALLATION

- **Flexible:** Rotation range: 356°. Swivel range: 90°.
- **Easy installation:** With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.



Further luminaires of this series, see:
Indoor lighting | Linear systems

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



© Valerie Clarysse

The application image shows:
BEAMLINE SLIM

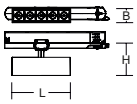


Comparison
LED vs. conventional lamps

LED 14 W ≈
1 x 20 W HIT (23 W Psys)

LED 25 W ≈
1 x 35 W HIT (43 W Psys)

Surface mounted projectors | BEAMLINE SLIM



Type of protection: IP 20
Protection class: II
Impact protection: IK06

Housing: metal, powder-coated. Perfect heat management with an aluminium heat sink. Rotation range: 356°. Swivel range: 90°. LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR < 10). Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks.

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Surface mounted projector with multi adaptor for 3-circuit tracks 230 V							**Price Category 21**
Narrow beam light distribution 10°							
742167.00X	L 145, B 35, H 80	927	900	14	65	3,1	on/off
742167.00X.1	L 145, B 35, H 80	930	980	14	70	3,5	on/off
742167.00X.2	L 145, B 35, H 80	940	1050	14	75	3,5	on/off
742170.00X	L 285, B 35, H 80	927	1800	25	72	3,1	on/off
742170.00X.1	L 285, B 35, H 80	930	1950	25	78	3,5	on/off
742170.00X.2	L 285, B 35, H 80	940	2100	25	84	3,5	on/off
Medium beam light distribution 30°							
742168.00X	L 145, B 35, H 80	927	940	14	68	5,7	on/off
742168.00X.1	L 145, B 35, H 80	930	1000	14	72	5,4	on/off
742168.00X.2	L 145, B 35, H 80	940	1100	14	79	5,9	on/off
742171.00X	L 285, B 35, H 80	927	1900	25	76	5,7	on/off
742171.00X.1	L 285, B 35, H 80	930	2050	25	82	5,4	on/off
742171.00X.2	L 285, B 35, H 80	940	2150	25	86	5,9	on/off
Wide beam light distribution 50°							
742169.00X	L 145, B 35, H 80	927	960	14	69	9,5	on/off
742169.00X.1	L 145, B 35, H 80	930	1050	14	75	9,5	on/off
742169.00X.2	L 145, B 35, H 80	940	1100	14	79	9,4	on/off
742172.00X	L 285, B 35, H 80	927	1900	25	76	9,5	on/off
742172.00X.1	L 285, B 35, H 80	930	2050	25	82	9,4	on/off
742172.00X.2	L 285, B 35, H 80	940	2200	25	88	9,4	on/off
Surface mounted projector with DALI adapter only for RZB 3-circuit DALI track 230 V							**Price Category 21**
Narrow beam light distribution 10°							
742167.00X.76	L 145, B 35, H 80	927	900	14	65	3,1	DALI
742167.00X.1.76	L 145, B 35, H 80	930	980	14	70	3,5	DALI
742167.00X.2.76	L 145, B 35, H 80	940	1050	14	75	3,5	DALI
742170.00X.76	L 285, B 35, H 80	927	1800	25	72	3,1	DALI
742170.00X.1.76	L 285, B 35, H 80	930	1950	25	78	3,5	DALI
742170.00X.2.76	L 285, B 35, H 80	940	2100	25	84	3,5	DALI
Medium beam light distribution 30°							
742168.00X.76	L 145, B 35, H 80	927	940	14	68	5,7	DALI
742168.00X.1.76	L 145, B 35, H 80	930	1000	14	72	5,4	DALI
742168.00X.2.76	L 145, B 35, H 80	940	1100	14	79	5,9	DALI
742171.00X.76	L 285, B 35, H 80	927	1900	25	76	5,7	DALI
742171.00X.1.76	L 285, B 35, H 80	930	2050	25	82	5,4	DALI
742171.00X.2.76	L 285, B 35, H 80	940	2150	25	86	5,9	DALI
Wide beam light distribution 50°							
742169.00X.76	L 145, B 35, H 80	927	960	14	69	9,5	DALI
742169.00X.1.76	L 145, B 35, H 80	930	1050	14	75	9,5	DALI
742169.00X.2.76	L 145, B 35, H 80	940	1100	14	79	9,4	DALI
742172.00X.76	L 285, B 35, H 80	927	1900	25	76	9,5	DALI
742172.00X.1.76	L 285, B 35, H 80	930	2050	25	82	9,4	DALI
742172.00X.2.76	L 285, B 35, H 80	940	2200	25	88	9,4	DALI

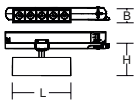






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Surface mounted projectors | BEAMLINE SLIM



Type of protection: IP 20
Protection class: II
Impact protection: IK06

Housing: metal, powder-coated. Perfect heat management with an aluminium heat sink. Rotation range: 356°. Swivel range: 90°. LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic white glare-suppressing frame for pleasant glare-free light (UGR < 10). Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks.

Available colour: 2 = white



Comparison
LED vs. conventional lamps

LED 14 W ≈
1 x 20 W HIT (23 W Psys)

LED 25 W ≈
1 x 35 W HIT (43 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Surface mounted projector with multi adaptor for 3-circuit tracks 230 V							**Price Category 21**
Narrow beam light distribution 10°							
742167.0025	L 145, B 35, H 80	927	900	14	64	3,1	on/off
742167.0025.1	L 145, B 35, H 80	930	980	14	70	3,5	on/off
742167.0025.2	L 145, B 35, H 80	940	1050	14	75	3,5	on/off
742170.0025	L 285, B 35, H 80	927	1800	25	72	3,1	on/off
742170.0025.1	L 285, B 35, H 80	930	1950	25	78	3,5	on/off
742170.0025.2	L 285, B 35, H 80	940	2100	25	84	3,5	on/off
Medium beam light distribution 30°							
742168.0025	L 145, B 35, H 80	927	940	14	67	5,7	on/off
742168.0025.1	L 145, B 35, H 80	930	1000	14	71	5,4	on/off
742168.0025.2	L 145, B 35, H 80	940	1100	14	79	5,9	on/off
742171.0025	L 285, B 35, H 80	927	1900	25	76	5,7	on/off
742171.0025.1	L 285, B 35, H 80	930	2050	25	82	5,4	on/off
742171.0025.2	L 285, B 35, H 80	940	2150	25	86	5,9	on/off
Wide beam light distribution 50°							
742169.0025	L 145, B 35, H 80	927	960	14	69	9,5	on/off
742169.0025.1	L 145, B 35, H 80	930	1050	14	75	9,5	on/off
742169.0025.2	L 145, B 35, H 80	940	1100	14	79	9,4	on/off
742172.0025	L 285, B 35, H 80	927	1900	25	76	9,5	on/off
742172.0025.1	L 285, B 35, H 80	930	2050	25	82	9,4	on/off
742172.0025.2	L 285, B 35, H 80	940	2200	25	88	9,4	on/off
Surface mounted projector with DALI adapter only for RZB 3-circuit DALI track 230 V							**Price Category 21**
Narrow beam light distribution 10°							
742167.0025.76	L 145, B 35, H 80	927	900	14	64	3,1	DALI
742167.0025.1.76	L 145, B 35, H 80	930	980	14	70	3,5	DALI
742167.0025.2.76	L 145, B 35, H 80	940	1050	14	75	3,5	DALI
742170.0025.76	L 285, B 35, H 80	927	1800	25	72	3,1	DALI
742170.0025.1.76	L 285, B 35, H 80	930	1950	25	78	3,5	DALI
742170.0025.2.76	L 285, B 35, H 80	940	2100	25	84	3,5	DALI
Medium beam light distribution 30°							
742168.0025.76	L 145, B 35, H 80	927	940	14	67	5,7	DALI
742168.0025.1.76	L 145, B 35, H 80	930	1000	14	71	5,4	DALI
742168.0025.2.76	L 145, B 35, H 80	940	1100	14	79	5,9	DALI
742171.0025.76	L 285, B 35, H 80	927	1900	25	76	5,7	DALI
742171.0025.1.76	L 285, B 35, H 80	930	2050	25	82	5,4	DALI
742171.0025.2.76	L 285, B 35, H 80	940	2150	25	86	5,9	DALI
Wide beam light distribution 50°							
742169.0025.76	L 145, B 35, H 80	927	960	14	69	9,5	DALI
742169.0025.1.76	L 145, B 35, H 80	930	1050	14	75	9,5	DALI
742169.0025.2.76	L 145, B 35, H 80	940	1100	14	79	9,4	DALI
742172.0025.76	L 285, B 35, H 80	927	1900	25	76	9,5	DALI
742172.0025.1.76	L 285, B 35, H 80	930	2050	25	82	9,4	DALI
742172.0025.2.76	L 285, B 35, H 80	940	2200	25	88	9,4	DALI







The application image shows:
DEECOS S
LINEDO

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497


498


498-503

3-circuit tracks
496-503



505



506



506-510

3-circuit DALI tracks
504-511



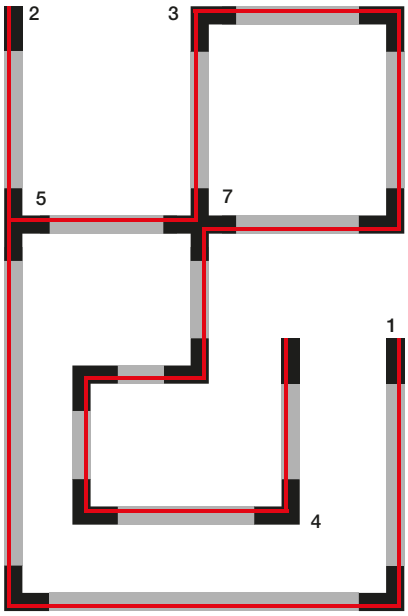
3-CIRCUIT TRACKS

Tracks

- Aluminium extrusion profile tracks for the most flexible mounting options of spotlights.
- 3-circuit tracks with three electrical circuits that can be switched separately.
- Tracks can be cut easily by sawing them off without additional work steps.
- Large range of accessories for flexible design of the track system.
- Recessed and surface-mounted versions available.
- Approved for use within hand‘s reach.

Planning example for surface-mounted 3-circuit tracks

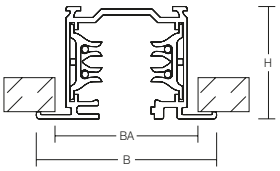
(View from below of the ceiling-mounted system.)

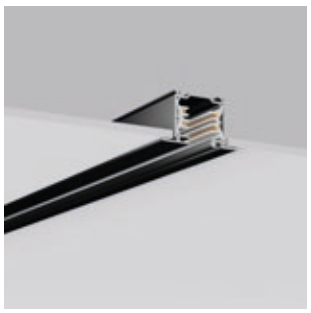


1	701077.00X	Protective conductor, right
2	701078.00X	Protective conductor, left
3	701081.00X	Protective conductor, outside
4	701082.00X	Protective conductor, inside
5	701083.00X	Protective conductor, right and outside
6	701084.00X	Protective conductor, left and outside
7	701085.00X	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Tracks | 3-circuit tracks





Type of protection: IP 20
Protection class: I

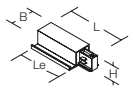
Aluminium extrusion profile, painted. Tracks can be cut to any required length. May be used within hand's reach.

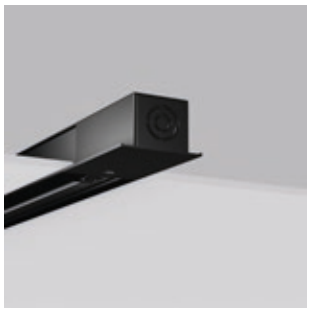
Voltage: 250 V~ or 3-Circuit current 230/400 V max. 16 A

Available colours (X): 2 = white, 3 = black, 4 = aluminium, anodised

Reference number	Dimensions [mm]	
Recessed tracks, Ceiling cut out width (BA) 42 mm		**Price Category 21**
Length 1000 mm, mounting holes at 100; 880 mm		
701067.00X	L 1000, B 53, H 33	
Length 2000 mm, mounting holes at 100; 990; 1,880 mm		
701068.00X	L 2000, B 53, H 33	
Length 3000 mm, mounting holes at 100; 990; 1,990; 2,880 mm		
701069.00X	L 3000, B 53, H 33	
Length 4000 mm, mounting holes at 100; 990; 1,990; 2,990; 3,875 mm		
701070.00X	L 4000, B 53, H 33	

Live end feed for 3-circuit tracks





Protection class: I

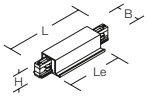
Plastic

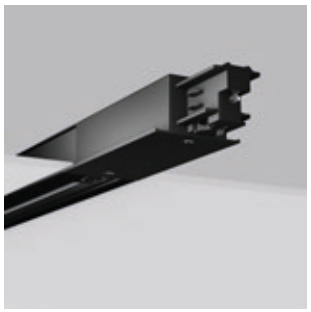
Suitable for recessed tracks (track wings).

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	
Recessed length (Le): 80 mm		**Price Category 21**
Protective conductor, left		
701089.00X	L 119, B 53, H 33	
Protective conductor, right		
701088.00X	L 119, B 53, H 33	

Alternative live feed for 3-circuit tracks





Protection class: I

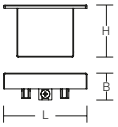
Plastic

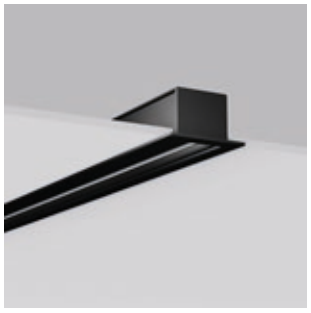
Suitable for recessed tracks (track wings).

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	
Recessed length (Le): 120 mm		**Price Category 21**
701090.00X	L 198, B 53, H 33	

End cap for 3-circuit tracks





Plastic

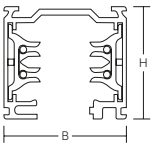
Suitable for recessed tracks (track wings).

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	
Recessed length (Le): 3 mm		**Price Category 21**
701121.00X	L 53, B 19, H 33	



Tracks | 3-circuit tracks



Type of protection: IP 20
Protection class: I

Aluminium extrusion profile, painted. Tracks can be cut to any required length.
May be used within hand's reach.

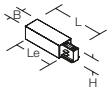
Voltage: 250 V~ or 3-Circuit current 230/400 V max. 16 A

Available colours (X): 2 = white, 3 = black, 4 = aluminium, anodised

Reference number	Dimensions [mm]	
Surface mounted tracks		**Price Category 21**
Length 1000 mm, mounting holes at 100; 880 mm		
701063.00X	L 1000, B 36, H 33	
Length 2000 mm, mounting holes at 100; 990; 1,880 mm		
701064.00X	L 2000, B 36, H 33	
Length 3000 mm, mounting holes at 100; 990; 1,990; 2,880 mm		
701065.00X	L 3000, B 36, H 33	
Length 4000 mm, mounting holes at 100; 990; 1,990; 2,990; 3,870 mm		
701066.00X	L 4000, B 36, H 33	



Live end feed for 3-circuit tracks



Protection class: I

Plastic

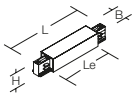
Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	
Recessed length (Le): 80 mm		**Price Category 21**
Protective conductor, left		
701078.00X	L 119, B 37, H 33	
Protective conductor, right		
701077.00X	L 119, B 37, H 33	



Alternative live feed for 3-circuit tracks



Protection class: I

Plastic

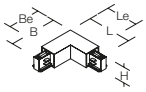
Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	
Recessed length (Le): 120 mm		**Price Category 21**
701079.00X	L 198, B 37, H 33	



90° angle coupling for 3-circuit tracks



Protection class: I

Plastic, with live feed

Suitable for surface-mounted tracks.

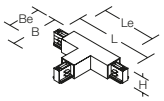
Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	
Recessed length (Le): 80 mm, Be 80 mm		**Price Category 21**
Protective conductor, outside		
701081.00X	L 117, B 117, H 33	
Protective conductor, inside		
701082.00X	L 117, B 117, H 33	

PE conductor position can be changed on site, as required.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix

T-coupling for 3-circuit tracks





Protection class: I

Plastic, with live feed

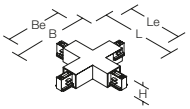
Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	
Recessed length (Le): 120 mm, Be 80 mm		**Price Category 21**
Protective conductor, left and outside		
701084.00X	L 198, B 117, H 33	
Protective conductor, right and outside		
701083.00X	L 198, B 117, H 33	

PE conductor position can be changed on site, as required.

Cross coupling for 3-circuit tracks





Protection class: I

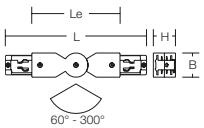
Plastic, with live feed

Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	
Recessed length (Le): 120 mm, Be 120 mm		**Price Category 21**
701085.00X	L 198, B 198, H 33	

Joint coupling for 3-circuit tracks





Protection class: I

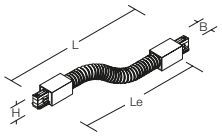
Plastic. Swivel range: ± 120° (from 60° to 300°), stepless.

Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	
Recessed length (Le): 130 mm		**Price Category 21**
701092.00X	L 208, B 36, H 33	

Flexible coupling for 3-circuit tracks





Protection class: I

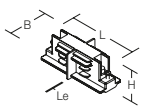
Plastic. Rotation and swivel range: ± 180°, horizontal and vertical, stepless.

Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions [mm]	
Recessed length (Le): 300 mm		**Price Category 21**
701086.00X	L 390, B 37, H 33	

Electric coupling, straight, for 3-circuit tracks





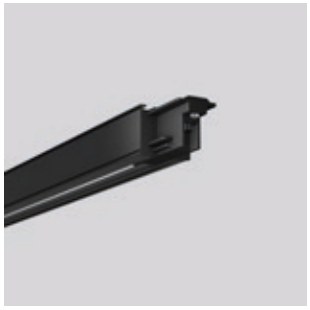
Protection class: I

Plastic, gapless

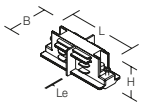
Coupling for electrical and mechanical connection.

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	
Recessed length (Le): 2 mm		**Price Category 21**
701071.00X	L 81, B 37, H 32	



Mechanical coupling, straight, for 3-circuit tracks

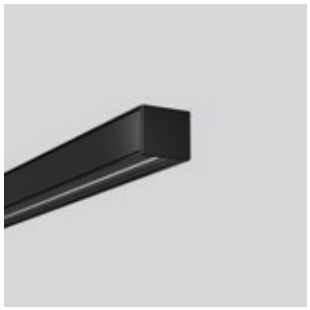


Plastic, gapless

Mechanical coupling for electrical isolation.

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	
Recessed length (Le): 2 mm		**Price Category 21**
701080.00X	L 81, B 37, H 32	



End cap for 3-circuit tracks



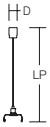
Plastic

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	
Recessed length (Le): 3 mm		**Price Category 21**
701087.00X	L 36, B 10, H 33	



Suspension kit for 3-circuit tracks



Suspension Length: 100-5000 mm

Suspension set with clamps for track mounting; max. 160 N [16 kg]. Steel cable Ø 1.2 mm; pendant length: 5 m; can be shortened with quick adjustment system, ceiling mounting material included.

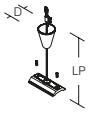
A distance of 1.5 m between two suspensions is recommended.

Available colours (X): 2 = white, 3 = black, 4 = stainless steel

Reference number	Dimensions [mm]	
Suspension kit for 3-circuit tracks		**Price Category 21**
01-8524.15X	D 12, LP 100-5000	



Cable suspension for 3-circuit tracks



Suspension Length: 100-2000 mm

Ceiling mounting, with canopy and M6 screw. Max. 200 N [20 kg], pendant length: 1.5 m, can be shortened. The wire rope clip is fixed to the canopy, the quick adjustment system is mounted to the track.

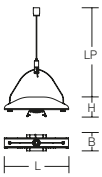
A distance of 1.5 m between two suspensions is recommended.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions [mm]	
Cable suspension for 3-circuit tracks		**Price Category 21**
701073.00X	D 41, LP 100-2000	



Suspension kit with traverse for 3-circuit tracks



Suspension Length: 230-5000 mm

Wire rope set with cross traverse and bracket for tracks (avoids twisting in case of asymmetrical loads). Max. 160 N [16 kg]. Steel cable Ø 1.2 mm; pendant length: 5 m; can be shortened with quick adjustment system, ceiling mounting material included.

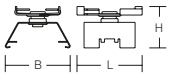
A distance of approx. 1.5 m between two clamps is recommended.

Available colours (X): 0 = blank, 2 = white, 3 = black

Reference number	Dimensions [mm]	
Suspension kit with traverse for 3-circuit tracks		**Price Category 21**
701096.00X	L 120, B 19, H 24, LP 230-5000	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix

Clamp unit for grid ceilings



Clamp unit for tracks: 24 mm white with clamp for tracks. A distance of approx. 1.5 m between two clamps is recommended.

Available colours: 0 = stainless steel, 2 = white, 3 = black

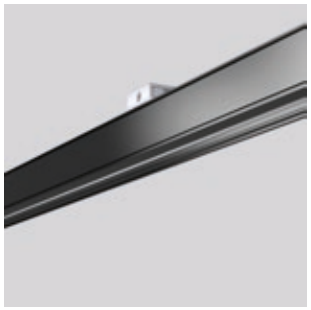


Reference number	Dimensions [mm]	
Clamp unit for grid ceilings		**Price Category 21**
981986.002	L 38, B 28, H 21	
981986.003	L 38, B 28, H 21	
981986.100	L 38, B 28, H 21	

Ceiling mount for 3-circuit tracks

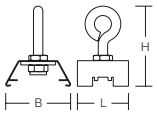


Aluminium, raw. A distance of 1.5 m between two suspensions is recommended.



Reference number	Dimensions [mm]	
Ceiling mount for 3-circuit tracks		**Price Category 21**
701074.000	L 30, B 34, H 15	

Clip with eye ring



Clamp fastening system for tracks, with M6 eye ring.

A distance of 1.5 m between two suspensions is recommended.

Available colour: 0 = stainless steel



Reference number	Dimensions [mm]	
Clip with eye ring		**Price Category 21**
701094.000	L 30, B 37, H 42	

Hanging clamp for 3-circuit tracks



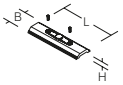
Metal, galvanised. A distance of 1.5 m between two suspensions is recommended.

Available colour: 4 = silver



Reference number	Dimensions [mm]	
Hanging clamp for 3-circuit tracks		**Price Category 21**
701091.004	L 24, B 32, H 38	

Mechanical connection plate for 3-circuit tracks



Aluminium, raw. 4 thread M5.

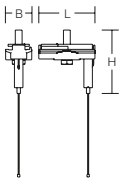
Available colour: 4 = silver



Reference number	Dimensions [mm]	
Mechanical connection plate for 3-circuit tracks		**Price Category 21**
701072.004	L 120, B 30, H 17	



Mechanical adaptor with steel cable quick mount for 3-circuit tracks



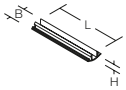
Aluminium, painted; track mounting; mechanical adaptor for easy installation of steel cable D 1.2 mm. 2 m steel cable included, F max. 100 N [10 kg].

Available colours (X): 2 = white, 3 = black, 4 = silver

Reference number	Dimensions [mm]	
Mechanical adaptor with steel cable quick mount for 3-circuit tracks		**Price Category 21**
701093.00X	L 66, B 32, H 75	



Cover for 3-circuit tracks and for RZB 3-circuit DALI tracks



Plastic track cover, length: 1 m, can be shortened as required.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions [mm]	
Cover for 3-circuit tracks		**Price Category 21**
701075.00X	L 1000, B 18, H 10	



Multi adaptor with Schukoplug socket for 3-circuit tracks and for RZB 3-circuit DALI tracks

Protection class: I

Multi adaptor for 3-circuit tracks of all known brands, plastic, max. 10 A / 250 V ~. Rotatable circuit selector with circuit breaker and mechanical lock; with Schukoplug socket; only for lighting or lighting accessories.

Available colour: 2 = white

Reference number	Dimensions [mm]	
Multi adaptor with Schukoplug socket for 3-circuit tracks		**Price Category 21**
70316.002	L 90, B 57, H 73	



Multi adaptor for 3-circuit tracks

Protection class: I

For all known brands. Plastic. max. 6 A/250 V~, F max. 50 N [5 kg].
Rotatable circuit selector with circuit breaker and mechanical lock.

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions [mm]	
Recessed height (He): 19 mm		**Price Category 21**
701035.00X	L 70, B 35, H 51	



Multi adaptor for 3-circuit tracks

Protection class: I

Multi adaptor for 3-circuit tracks for all known brands. Plastic. max. 10 A/250 V~, F max. 100 N [10 kg].
Rotatable circuit selector with circuit breaker and mechanical lock.

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions [mm]	
Recessed height (He): 33 mm		**Price Category 21**
70318.00X	L 85, B 32, H 63	

Aluminium holder for multi adaptor

With M10x1 thread. Thread length: 12 mm

Available colours: black, aluminium



Reference number	Dimensions [mm]		
Aluminium holder for multi adaptor			**Price Category 21**
70349	D 27, H 19	aluminium	
70349.003	D 27, H 19	black	

Strain relief for multi adaptor and 3-phase DALI adaptor

Plastic

Available colours (X): 2 = white, 3 = black



Reference number	Dimensions [mm]	
Recessed height (He): 30 mm		**Price Category 21**
70875.00X	D 26, H 33	

Point outlet for 3-circuit multi adaptor

Type of protection: IP 20
Protection class: I

Housing: plastic. Cable inlets: break-off (one inlet on the side, three on the back).
250 V/10 A, F max. 50 N [5 kg].

Available colours (X): 2 = white, 3 = black, 9 = grey



Reference number	Dimensions [mm]	
Surface mounted point outlet		**Price Category 21**
70319.00X	D 100, H 32	

Recessed socket for point outlet

Type of protection: IP 20
Protection class: I

Housing: plastic.

Available colours (X): 2 = white, 3 = black, 9 = grey



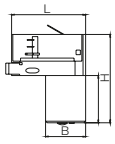
Reference number	Dimensions [mm]	
Recessed socket		**Price Category 21**
Ceiling cut out DA 105 mm, TE 60 mm		
70360.00X	D 130, H 60	

Light and presence sensor Casambi smart+free

Type of protection: IP 20
Protection class: I

Casambi smart+free Bluetooth® sensor for wireless control of Casambi smart+free luminaires.
Intelligent presence control and daylight sensor. Housing: plastic.
Multi adaptor for 3-circuit tracks 230 V.

Available colours (X): 2 = white, 3 = black





Reference number	Dimensions [mm]	
Light and presence sensor with multi adaptor for 230 V 3-circuit tracks		**Price Category 21**
701122.00X.19	L 72, B 39, H 86	



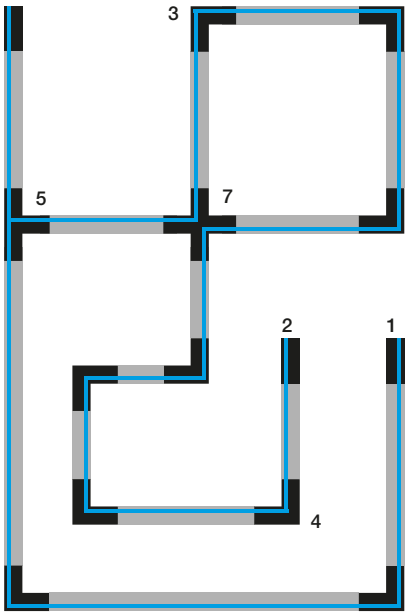
3-CIRCUIT DALI TRACKS

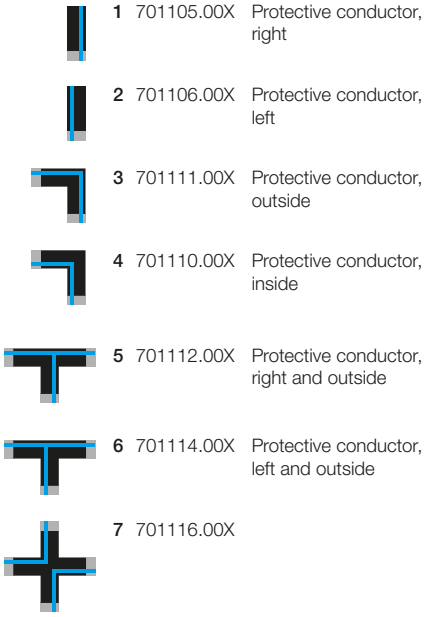
Tracks

- 3-circuit track with integral DALI bus.
- 3-circuit track system for track mounted DALI spot-lights with additional data-bus function for energy savings and dynamic lighting.
- Large range of accessories for flexible design of the track system.
- Recessed and surface-mounted versions available.
- Suitable also for standard 3-circuit adaptors.

Planning example for surface-mounted 3-circuit DALI tracks

(View from below of the ceiling-mounted system.)

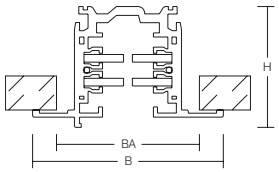


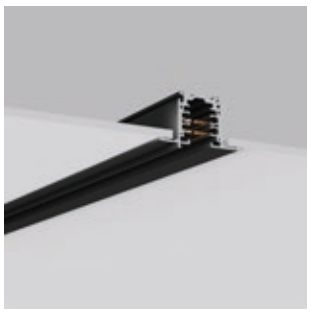


1	701105.00X	Protective conductor, right
2	701106.00X	Protective conductor, left
3	701111.00X	Protective conductor, outside
4	701110.00X	Protective conductor, inside
5	701112.00X	Protective conductor, right and outside
6	701114.00X	Protective conductor, left and outside
7	701116.00X	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Tracks | Recessed 3-circuit DALI tracks





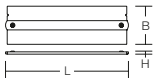
Type of protection: IP 20
Protection class: I

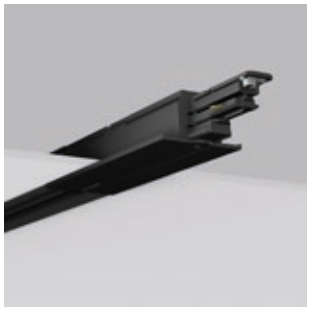
Aluminium extrusion profile, painted. Tracks can be cut to any required length. May be used within hand's reach. Integral added twin-pole DALI bus leads. Power supply conductors 16 A / 400 V. DALI bus conductors 2x1 A / 50 V AC.

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions [mm]	
Recessed tracks (track wings)		**Price Category 21**
Ceiling cut out width (BA) 42 mm		
Length 1000 mm, mounting holes at 250, 750 mm		
701101.00X	L 1000, B 56, H 36	
Length 2000 mm, mounting holes at 250, 1000, 1750 mm		
701102.00X	L 2000, B 56, H 36	
Length 3000 mm, mounting holes at 250, 1000, 2000, 2750 mm		
701103.00X	L 3000, B 56, H 36	

Cover for recessed 3-circuit DALI tracks (DALI track wings)



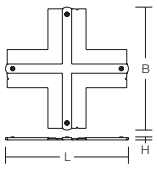


Plastic, for live end feed and alternative live feed (break-off point for universal use).

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions [mm]	
Cover for recessed 3-circuit DALI tracks (DALI track wings)		**Price Category 21**
701117.00X	L 181, B 56, H 4	

Cover for recessed 3-circuit DALI tracks (DALI track wings)





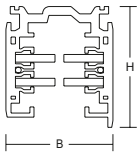
Plastic, for angled, cross and T couplings (break-off point for universal use)

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions [mm]	
Cover for recessed 3-circuit DALI tracks (DALI track wings)		**Price Category 21**
701118.00X	L 181, B 181, H 4	



Tracks | 3-circuit DALI tracks

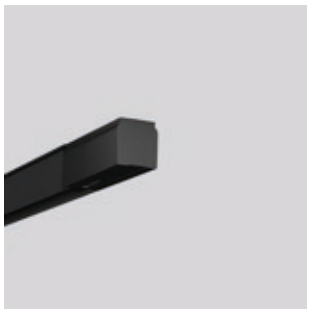


Type of protection: IP 20
Protection class: I

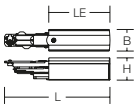
Aluminium extrusion profile, painted. Tracks can be cut to any required length.
Approved for use within hand's reach. Integral added twin-pole DALI bus leads.
Power supply conductors 16 A / 400 V. DALI bus conductors 2 x 1 A / 50 V FELV AC.

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions [mm]	
Surface mounted tracks		**Price Category 21**
Length 1000 mm, mounting holes at 250, 750 mm		
701097.00X	L 1000, B 32, H 36	
Length 2000 mm, mounting holes at 250, 1000, 1750 mm		
701098.00X	L 2000, B 32, H 36	
Length 3000 mm, mounting holes at 250, 1000, 2000, 2750 mm		
701099.00X	L 3000, B 32, H 36	
Length 4000 mm, mounting holes at 250, 1500, 2500, 3750 mm		
701100.00X	L 4000, B 32, H 36	



Live end feed for 3-circuit DALI tracks



Type of protection: IP 20
Protection class: I

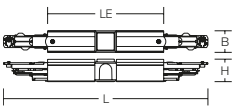
Plastic

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions [mm]	
Recessed length (Le): 90 mm		**Price Category 21**
Protective conductor, left		
701106.00X	L 155, B 32, H 33	
Protective conductor, right		
701105.00X	L 155, B 32, H 33	



Alternative live feed for 3-circuit DALI tracks



Type of protection: IP 20
Protection class: I

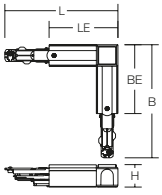
Plastic

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions [mm]	
Recessed length (Le): 170 mm		**Price Category 21**
701107.00X	L 305, B 32, H 33	



90° angle coupling for 3-circuit DALI tracks



Type of protection: IP 20
Protection class: I

Plastic, with live feed

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions [mm]	
Recessed length (Le): 100 mm, Be 100 mm		**Price Category 21**
Protective conductor, outside		
701111.00X	L 165, B 165, H 33	
Protective conductor, inside		
701110.00X	L 165, B 165, H 33	

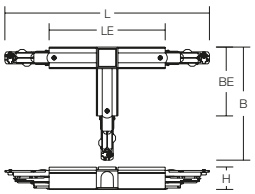
Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix

T-coupling for 3-circuit DALI tracks

Type of protection: IP 20
Protection class: I

Plastic, with live feed

Available colours (X): 2 = white, 3 = black, 9 = grey





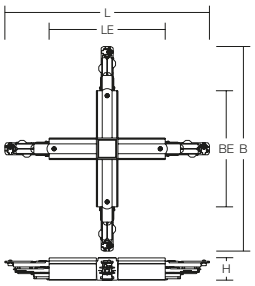
Reference number	Dimensions [mm]	
Recessed length (Le): 170 mm, Be 100 mm		**Price Category 21**
Protective conductor, left and outside		
701114.00X	L 305, B 165, H 33	
Protective conductor, left and inside		
701113.00X	L 305, B 165, H 33	
Protective conductor, right and outside		
701112.00X	L 305, B 165, H 33	
Protective conductor, right and inside		
701115.00X	L 305, B 165, H 33	

Cross coupling for 3-circuit DALI tracks

Type of protection: IP 20
Protection class: I

Plastic, with live feed

Available colours (X): 2 = white, 3 = black, 9 = grey





Reference number	Dimensions [mm]	
Recessed length (Le): 170 mm, Be 170 mm		**Price Category 21**
701116.00X	L 305, B 305, H 33	

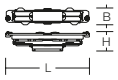
Electric coupling, straight, for 3-circuit DALI tracks

Type of protection: IP 20
Protection class: I

Plastic, gapless

Coupling for electrical and mechanical connection.

Available colours (X): 2 = white, 3 = black, 9 = grey





Reference number	Dimensions [mm]	
Recessed length (Le): 0 mm		**Price Category 21**
701108.00X	L 85, B 20, H 26	

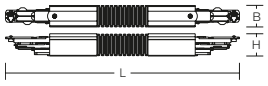
Flexible coupling for 3-circuit DALI tracks

Type of protection: IP 20
Protection class: I

Plastic. Rotation and swivel range: ± 180°, horizontal and vertical, infinite.

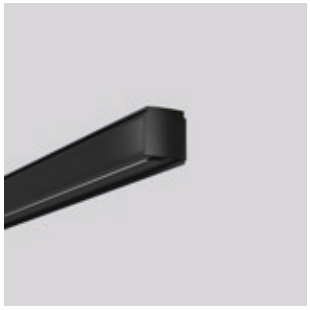
Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black, 9 = grey





Reference number	Dimensions [mm]	
Recessed length (Le): 215 mm		**Price Category 21**
701109.00X	L 340, B 32, H 33	



End cap for 3-circuit DALI tracks



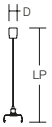
Plastic

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions [mm]
Recessed length (Le): 3 mm	**Price Category 21**
70337.00X	L 35, B 32, H 32



Suspension kit for 3-circuit DALI tracks



Suspension Length: 100-5000 mm

Suspension set with clamps for DALI-track mounting. Max. 160 N [16 kg]. Steel cable Ø 1.2 mm; pendant length: 5 m; can be shortened with quick adjustment system, ceiling mounting material included.

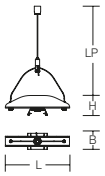
A distance of approx. 1.5 m between two clamps is recommended.

Available colours (X): 2 = white, 3 = black, 4 = stainless steel

Reference number	Dimensions [mm]
Suspension kit for 3-circuit DALI tracks	**Price Category 21**
01-8524.13X	D 12, LP 100-5000



Suspension cable with cross-beam for 3-phase DALI busbars



Suspension Length: 230-5000 mm

Wire rope set with cross traverse and bracket for tracks (avoids twisting in case of asymmetrical loads). Max. 160 N [16 kg]. Steel cable Ø 1.2 mm; pendant length: 5 m; can be shortened with quick adjustment system, ceiling mounting material included.

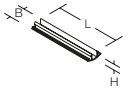
A distance of approx. 1.5 m between two clamps is recommended.

Available colours (X): 0 = blank, 2 = white, 3 = black

Reference number	Dimensions [mm]
Suspension cable with cross-beam for 3-phase DALI busbars	**Price Category 21**
701096.01X	L 120, B 19, H 24, LP 230-5000



Cover for 3-circuit tracks and for RZB 3-circuit DALI tracks



Plastic track cover, length: 1 m, can be shortened as required.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions [mm]
Cover for 3-circuit tracks	**Price Category 21**
701075.00X	L 1000, B 18, H 10

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix

Mechanical connection plate for 3-circuit DALI tracks



Aluminium, raw. 4 thread M5.

Available colours (X): 2 = white, 4 = aluminium



Reference number	Dimensions [mm]	
Mechanical connection plate for 3-circuit DALI tracks		**Price Category 21**
70354.00X	L 182, B 31, H 20	

Ceiling mount for 3-circuit DALI tracks



Aluminium, raw. A distance of 1.5 m between two suspensions is recommended.

Available colours (X): 2 = white, 3 = black, 4 = aluminium



Reference number	Dimensions [mm]	
Ceiling mount for 3-circuit DALI tracks		**Price Category 21**
70594.00X	L 30, B 32, H 13	

Hanging clamp for 3-circuit DALI tracks



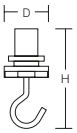
Metal, galvanised. A distance of 1.5 m between two suspensions is recommended.

Available colours (X): 2 = white, 4 = aluminium



Reference number	Dimensions [mm]	
Hanging clamp for 3-circuit DALI tracks		**Price Category 21**
70351.00X	L 25, B 31, H 39	

Decorative hook for 3-circuit DALI tracks



White plastic, painted, track-mounting F max. 100 N [10 kg].

Available colour: white



Reference number	Dimensions [mm]	
Recessed height (He): 37 mm		**Price Category 21**
70382.000	D 26, H 60	



Bending tool for 3-circuit DALI tracks

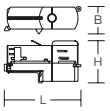
The ends of the copper conductor must be bent inwards when cutting tracks on site in order to ensure an electrical connection.

Available colour: blue

Reference number	Dimensions [mm]	
Bending tool for 3-circuit DALI tracks		**Price Category 21**
70348.000	L 133, B 22, H 14	



3-phase DALI adaptor



Protection class: I

Plastic. max. 10 A/250 V~, F max. 100 N [10 kg].
Selector with circuit breaker and mechanical lock.

Only for RZB 3-circuit DALI track

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions [mm]	
Recessed height (He): 30 mm		**Price Category 21**
701055.01X	L 105, B 39, H 62	



Multi adaptor with Schukoplug socket for 3-circuit tracks and for RZB 3-circuit DALI tracks

Protection class: I

Multi adaptor for 3-circuit tracks of all known brands, plastic, max. 10 A / 250 V ~.
Rotatable circuit selector with circuit breaker and mechanical lock; with Schukoplug socket; only for lighting or lighting accessories.

Available colour: 2 = white

Reference number	Dimensions [mm]	
Multi adaptor with Schukoplug socket for 3-circuit tracks		**Price Category 21**
70316.002	L 90, B 57, H 73	



Strain relief for multi adaptor and 3-phase DALI adaptor

Plastic

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions [mm]	
Recessed height (He): 30 mm		**Price Category 21**
70875.00X	D 26, H 33	



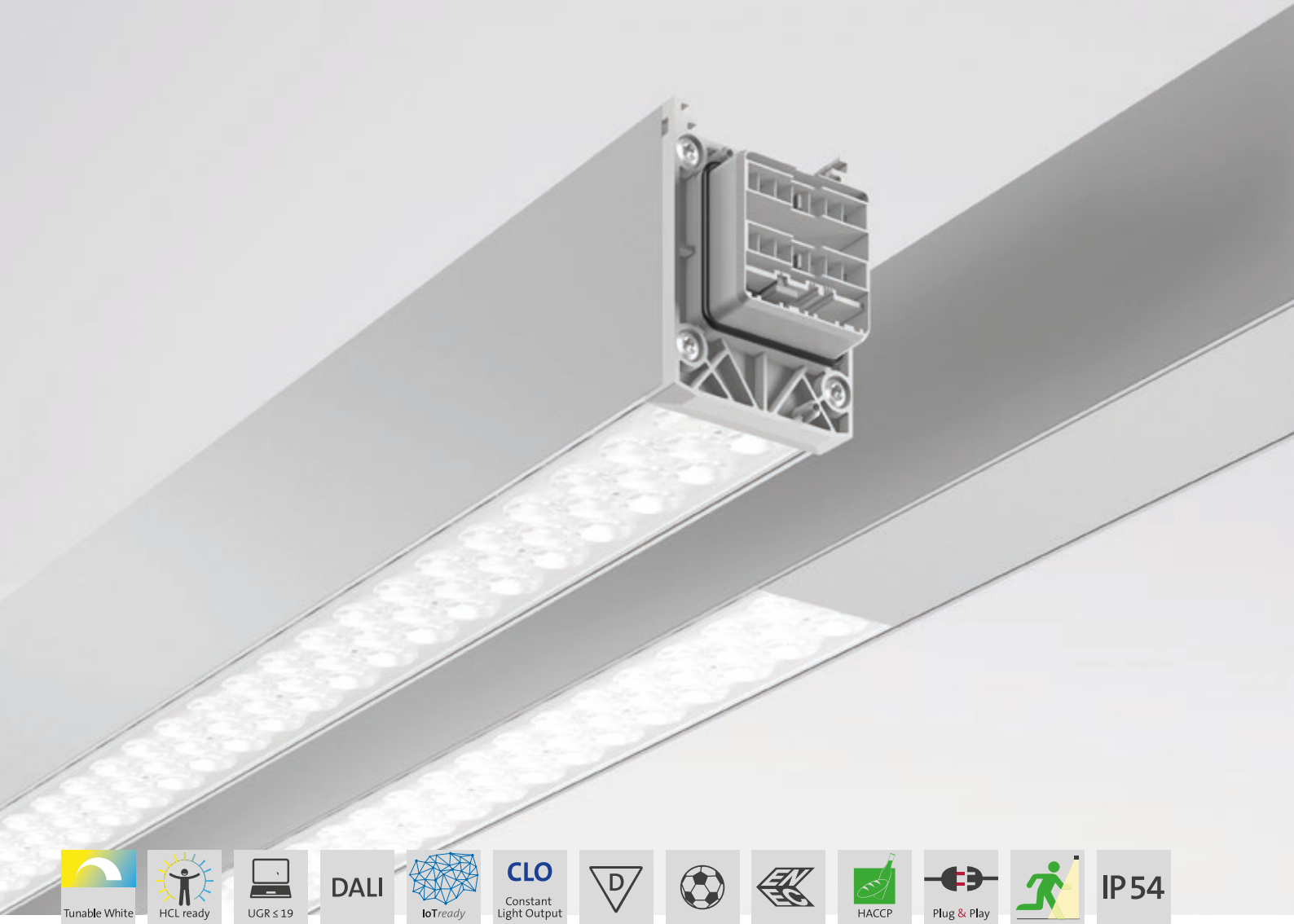
© Linus Lintner

The application image shows:
DEECOS S



The application image shows:
LINEDO
DEECOS S

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Tunable White | HCL ready | UGR ≤ 19 | DALI | IoTready | CLO Constant Light Output | HACCP | Plug & Play | IP54

LINEDO

Theoretically, a light band. Practically a revolution.

- Ready-to install, stylish single-component continuous line luminaire system.
- Ultra-fast installation through Plug & Play modules .
- Over 30% weight-reduced extruded aluminum profile with minimal dimensions.
- 5, 7- or 14-pole through-wiring as standard.
- 7 light distributions and 5 performance levels cover almost any lighting task in industry, shops, offices and public buildings.
- Ideally suited for office environments (UGR ≤ 19 when using certain optics and luminous flux) in compliance with DIN EN 12464-1.
- Luminous efficacy up to 180 lm/W.
- Numerous functional modules, e.g. spotlights, emergency lighting, sensors...
- Up to 10 years warranty.
- LED rated life 80,000 h (L_{CLO}) DALI/CLO controlled - High planning reliability thanks to constant light output throughout the entire service life.
- **ENEC** (European Norms Electrical Certification) certified.
- IoT ready – control and monitoring via DALI-2 Standard (on request).
- Plan your continuous line luminaire in just a few steps using the LINEDO app. Available for Android and IOS.



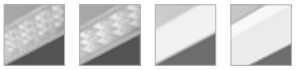
The RZB Premium Service is your support partner before, during and after system installation.

Take advantage of our services. We advise, plan individually, monitor and finance your lighting system. We will as well program and commission the lighting on site.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

LINEDO®

Overview

1	Components	
4	Standard lengths	598 mm · 1,163 mm · 2,291 mm · 4,547 mm · project specific solutions
1	Protection type	IP 54
3	Colours	 project specific solutions
2	Type of mounting	
4	Optical systems	
7	Light distribution options	 ≤ 16 UGR · ≤ 19 UGR · ≤ 22 UGR · ...
5	Output levels	13 · 19 · 27 · 33 · 42 ,000 lm / 4.5 m
3	Colour temperatures	830 · 840 · 850 · TW · project specific solutions CRI > 90
2	Switching types	on/off · DALI
3	Through-wirings	5 pole · 7 pole · 14 pole

LINEDO WebApp

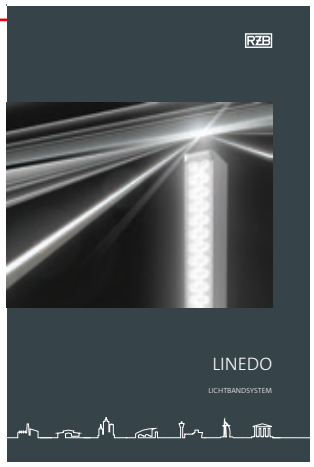
The configurator for the continuous line luminaire system in your web browser.

LINEDO App

Design your LINEDO luminaire easily on your personal device with the RZB LINEDO App.

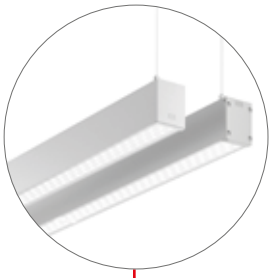
Download on the App Store · GET IT ON Google Play

You can find further information, examples of projects and ordering advice in our comprehensive LINEDO brochure as PDF and in printed form.



LINEDO®

One solution for all applications



UGR ≤ 19

LINEDO Single
Perfect as a single luminaire in the office, at workstations or in shops: The LINEDO single luminaire is available in IP 20 and IP 54.



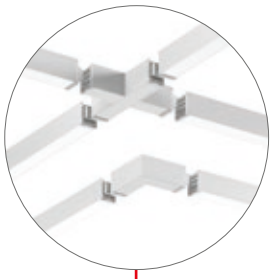
UGR ≤ 19

Lens optics
for symmetrical light distribution(30°, 60°, 90°).

Lens optics
for asymmetrical and double asymmetrical light distribution.

Flush-mounted opal diffuser for uniform light distribution.

High opal diffuser for wider uniform light distribution with increased proportion of indirect light.



Shaped connectors
are suitable for ceiling mounting and pendant suspension.

X-, L- and T-shaped connectors with the same look as the LINEDO continuous line luminaire.

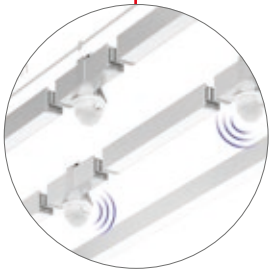
Tunable White

HCL ready

Tunable White version
with light colour 827 to 865, controllable via DALI (via Casambi smart+free on request).

HACCP

HACCP accessories:
The transparent film is clamped into the grooves of the LINEDO profile and prevents dirt from settling on the profile.



The modules for sensors
in accordance with the Zhaga standard can be equipped with suitable sensor variants as required.

Control within the LINEDO continuous line luminaire via DALI, communication between separate continuous line luminaires and Bluetooth® modules via Bluetooth® Mesh.

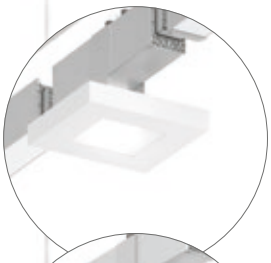


There is a special end cap to neatly cover the end of the LINEDO line.





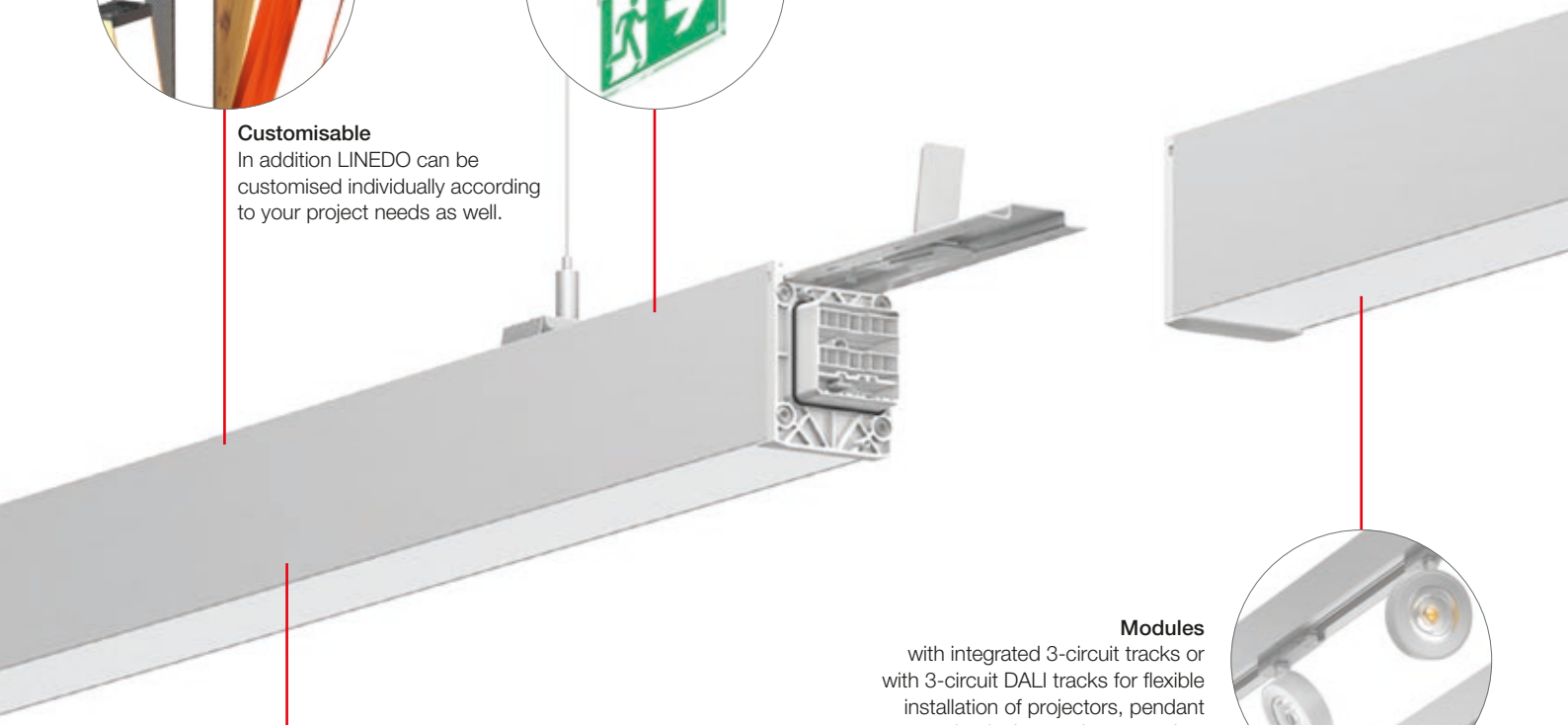
Customisable
In addition LINEDO can be customised individually according to your project needs as well.





Fully integrated:
LINEDO modules for unobtrusive integration into a central emergency power supply ensure the lighting of escape routes when needed.

Escape route identifiation with 2.5 m power cable can be positioned individually along the LINEDO system profile and rotated by 90°.



Modules
with integrated 3-circuit tracks or with 3-circuit DALI tracks for flexible installation of projectors, pendant luminaires and accessories.



Modules
with 1, 2 or 3 Deecos S Mini projectors with different lighting characteristics or TX-MOVE floodlights.



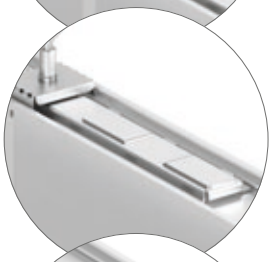
Adapter for integration of third-party luminaires.



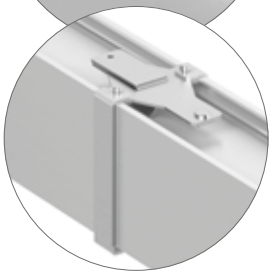
Ball impact resistance:
The pendant suspension with a combination of eyelet, spring hook and knotted chain avoids unhooking.



The strengthened connector has two additional clips for an impact resistant connection.



A special bracket surrounds the profile and lens optic for protection.







© Linus Lintner

The application image shows:
LINEDO

The application image shows:
PLANOX TUBE

© Linus Lintner


525

PLANOX PRO
522-525


529


530

PLANOX ECO
PLANOX ECO FARM
526-531


535-536


537

PLANOX TUBE
PLANOX TUBE FARM
532-537


541-542


542

PLANOX
PLANOX FARM
538-543

PLANOX PRO

Everything at a glance

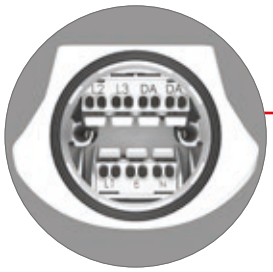


Housing and end caps made of shockproof polycarbonate (PC).



Can be opened and closed without tools using a turn lock fastener, cable screw fitting as standard.

Sealed as standard.



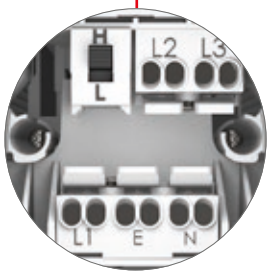
Simple connection by means of terminal with push-on connector.

On-board through-wiring as standard, (on/off: 5 x 1,5 mm² | DALI: 7 x 1,5 mm²).

MultiLumen version:
2 steps adjustable luminous flux (L=Low/H=High).

The initial setting is "H" (high lumen).

Thanks to the switch in the luminaire the lumen output can easily be changed even after installation.



Also available as an emergency luminaire for central power systems in accordance with EN 60598-2-22.

Indirect light to illuminate the ceiling.

Homogeneous illumination through satin finish diffuser.



HACCP

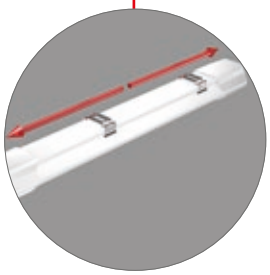
Suitable for use in the food and drink industry.

D

Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Flexible installation through sliding mounting bracket.

Ideal for luminaire replacement.



The UV-resistant diffuser with inner prisms guarantees uniform light output.



MultiLumen DALI HACCP IP66 IK08

reddot award 2018 winner

PLANOX PRO

Ceiling and wall luminaires

ARCHITECTURE

- **Robust:** IP 66 / IK08 - High types of protection for tough requirements. Housing and end caps made of shockproof polycarbonate.
- **Certified:** Qualified for use in the food and drink industry.
- **Safe:** Luminaire with limited surface temperature in accordance with EN 60598-2-24.
- **Combinable:** Also available as an emergency luminaire in accordance with EN 60598-2-22.

LIGHTING DESIGN

- **Efficient:** Luminous efficacy up to 153 lm/W.
- **Variable:** MultiLumen - several steps adjustable luminous flux.
- **Uniform:** The UV-resistant diffuser with inner prisms guarantees homogenous light distribution.
- **Reliable planning:** Suitable for lighting in public car parks and public off-street parking spaces according to DIN 67528.

INSTALLATION

- **Easy installation:** Tool-free opening and closing with twist lock.
- **Standard:** Through-wiring for additional luminaires.
- **Versatile:** Surface and pendant mounting.
- **Flexible:** Sliding mounting brackets. Ideal for luminaire replacement.
- **Integrated:** Cable entries at both ends.

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | PLANOX PRO





Type of protection: **IP 66**
Protection class: II
Impact protection: IK08

Side panels: plastic, white polycarbonate, shockproof. Diffuser made of plastic (polycarbonate), opal, shockproof. Converter encapsulated, integrated and permanently connected to the diffuser and side panel. Cable screw fittings for convenient wiring. Turn lock fastener on both sides for easy installation. Luminaire with integrated through-wiring for lining up further luminaires. Ceiling mounting stainless steel brackets and triangular brackets for pendant mounting included in delivery.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 2 = white

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control	
Ceiling, wall and pendant luminaires							**Price Category 11**
Length L 750 mm							
451204.002	L 750, B 88, H 63	840	2000	14	143	on/off	✓
451204.002.76	L 750, B 88, H 63	840	2000	14	143	DALI	
Length L 1350 mm							
451220.002 *	L 1350, B 88, H 63	840	3200/5200	21/35	153	on/off	
451206.002.76	L 1350, B 88, H 63	840	5200	35	149	DALI	
Length L 1650 mm							
451221.002 .Q*	L 1650, B 88, H 63	840	4100/7150	27/48	152	on/off	
451208.002.76	L 1650, B 88, H 63	840	7150	48	149	DALI	

* **MultiLumen**

End piece for turn lock fastener with D 25 mm		**Price Category 11**
982394.002	D 25, H 13	

Mounting brackets made of stainless steel (theft protection) for ceiling and wall mounting		**Price Category 11**
982395.000	L 130, B 13, H 61	

Comparison LED vs. conventional lamps

LED 14 W ≈
2 x 14 W T16 (36 W Psys)
2 x 18 W T26 (52 W Psys)

LED 21 W ≈
1 x 36 W T26 (37 W Psys)
1 x 54 W T16 (58 W Psys)

LED 27 W ≈
1 x 58 W T26 (59 W Psys)
1 x 80 W T16 (86 W Psys)

LED 35 W ≈
2 x 36 W T26 (74 W Psys)
2 x 54 W T16 (115 W Psys)

LED 48 W ≈
2 x 58 W T26 (118 W Psys)
2 x 80 W T16 (172 W Psys)



The application image shows:
PLANOX PRO

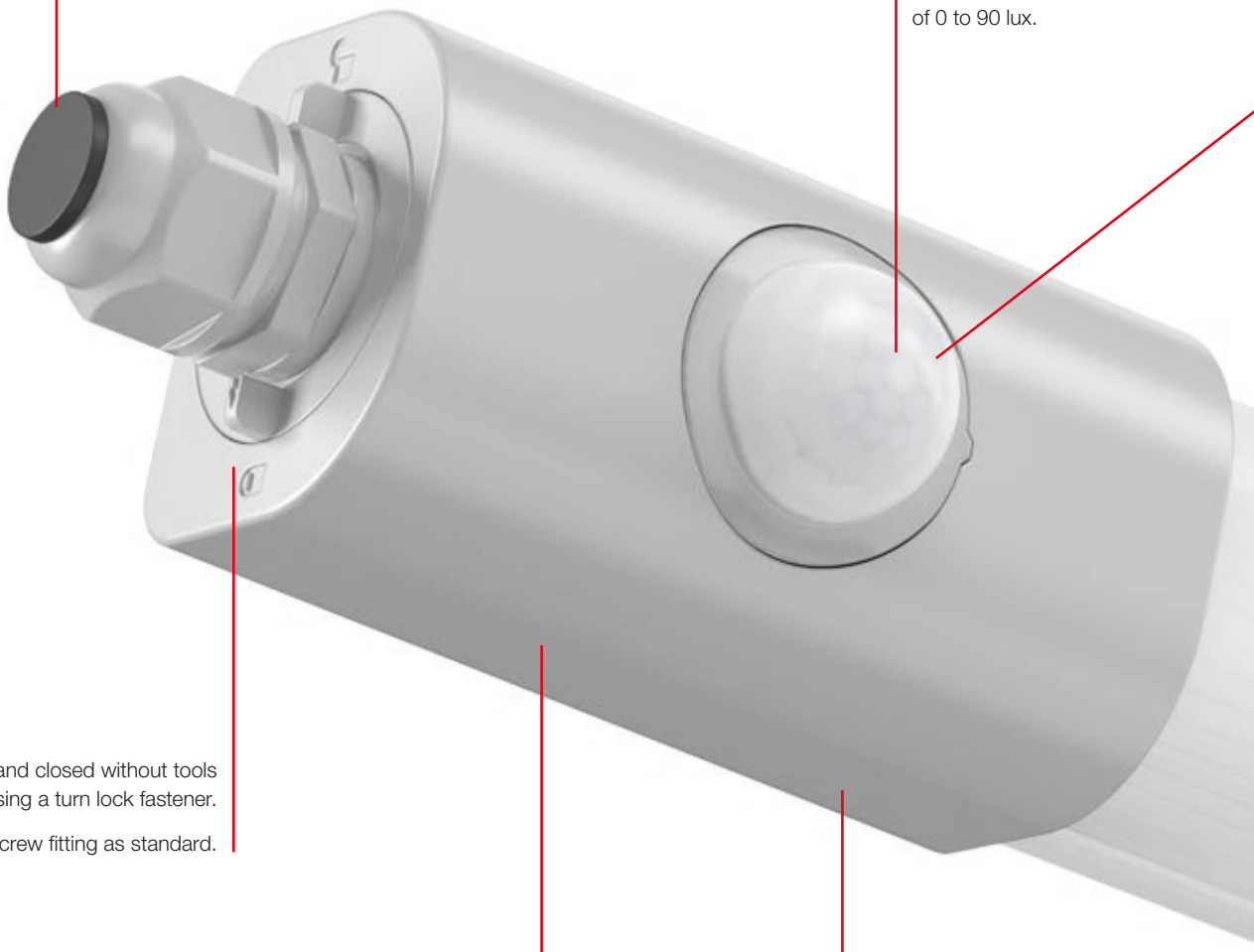
PLANOX ECO | PLANOX ECO FARM

Everything at a glance

Master-Slave

PLANOX ECO:
Versions with infrared movement sensor: adjustable time delay of 10 s to 20 min and response brightness of 0 to 90 lux.

Sealed as standard.



Can be opened and closed without tools using a turn lock fastener.

Cable screw fitting as standard.

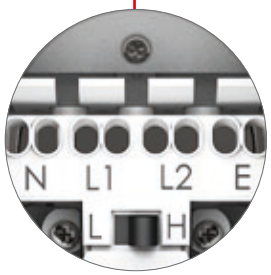
MultiLumen version:
The user can choose from several different luminous flux levels.

- 2 levels (**L**=Low/**H**=High)
- 3 levels (**L**=Low/**M**=Middle/**H**=High)

Thanks to the switch in the luminaire the lumen output can easily be changed even after installation.

The initial setting is "H" (high lumen).

MultiLumen



IK08

PLANOX ECO:
Diffuser and end caps made of shockproof polycarbonate.



The sensitivity and time regulation can simply be adjusted with movement sensor model.

Master-Slave operation possible.



PLANOX ECO FARM

Certified by DLG. This luminaire is resistant to ammonia and is suitable for high pressure cleaning with a min. distance of 10 cm.

Therefore ideally useable in livestock housing and agricultural buildings.

Diffuser and end caps made of ammonia resistant PMMA.



Also available as an emergency luminaire in accordance with EN 60598-2-22.



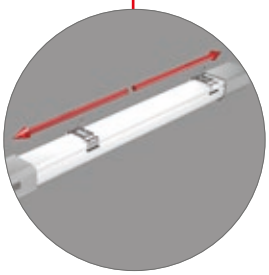
Qualified for use in the food and drink industry.

Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.



Flexible installation thanks to sliding mounting bracket.

Ideal for luminaire replacement.



Indirect light to illuminate the ceiling.

Homogeneous illumination through satin finish diffuser.





MultiLumen | DALI | Master-Slave | HACCP | NH_3 | IP66 | IK08

PLANOX ECO | PLANOX ECO FARM

Ceiling and wall luminaires

ARCHITECTURE

- **Protected:** IP 66 - High type of protection for tough requirements.
- **Robust:** IK08 - Versions with diffuser made of shockproof polycarbonate.
- **Versatile:** Ammonia-resistant version DLG approved.
- **Certified:** Qualified for use in the food and drink industry.
- **Safe:** Luminaire with limited surface temperature in accordance with EN 60598-2-24.

LIGHTING DESIGN

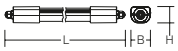
- **Powerful:** High luminous flux up to 9000 lm.
- **Efficient:** Luminous efficacy up to 157 lm/W.
- **Variable:** MultiLumen - several steps adjustable luminous flux.
- **Uniform:** The diffuser with inner prisms guarantees homogenous light distribution.
- **Dynamic:** Versions with infrared movement sensor.
- **Reliable planning:** Suitable for lighting in public car parks and public off-street parking spaces according to DIN 67528.

INSTALLATION

- **Easy installation:** Tool-free opening and closing with twist lock.
- **Standard:** Through-wiring for additional luminaires.
- **Versatile:** Surface and pendant mounting.
- **Flexible:** Sliding mounting brackets. Ideal for luminaire replacement.
- **Integrated:** Cable entries at both ends.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | PLANOX ECO





Type of protection: **IP 66**
Protection class: II
Impact protection: IK08

Side panels: plastic, grey polycarbonate, shockproof. Diffuser: plastic (non-yellowing polycarbonate), opal, impact resistant. Converter encapsulated, integrated and permanently connected to the diffuser and side panel. Cable screw fittings for convenient wiring. Turn lock fastener on both sides for easy installation. Luminaire with integrated through-wiring for lining up further luminaires. Ceiling mounting stainless steel brackets and triangular brackets for pendant mounting included in delivery.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 9 = grey

MultiLumen: 2 or 3 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control	
Ceiling, wall and pendant luminaires							**Price Category 11**
451210.009 .Q	L 769, B 61, H 50	840	1100/2100	9/17	124	on/off	✓
451210.009.76	L 852, B 61, H 50	840	2100	16	132	DALI	
451218.009.3	L 1369, B 61, H 50	830	2800/4600	22/37	128	on/off	
451218.009 .Q	L 1369, B 61, H 50	840	3050/4950	22/37	139	on/off	✓
451218.009.76	L 1452, B 61, H 50	840	4950	36	138	DALI	
451219.009.2	L 1669, B 61, H 50	830	4350/6300	33/54	132	on/off	
451219.009 .Q	L 1669, B 61, H 50	840	4700/6800	33/54	143	on/off	✓
451219.009.76	L 1752, B 61, H 50	840	6800	50	136	DALI	
451236.009.1	L 1680, B 61, H 50	830	4700...8600	32...62	147	on/off	
451236.009	L 1680, B 61, H 50	840	5000...9000	32...62	157	on/off	

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

End piece for turn lock fastener with D 25 mm		**Price Category 11**
982179.009	D 25, H 13	

Mounting brackets made of stainless steel (theft protection) for ceiling and wall mounting		**Price Category 11**
982430.000	L 146, B 16, H 38	

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 21 W T16 (24 W Psys)

LED 16 / 17 W ≈
1 x 39 W T16 (41 W Psys)

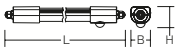
LED 22 W ≈
1 x 54 W T16 (58 W Psys)
1 x 58 W T26 (59 W Psys)

LED 32 / 33 / 36 / 37 W ≈
1 x 80 W T16 (86 W Psys)

LED 50 / 54 W ≈
2 x 58 W T26 (118 W Psys)

LED 62 W ≈
3 x 58 W T26 (177 W)

Ceiling and wall luminaires | PLANOX ECO - movement sensor





Type of protection: **IP 66**
Protection class: II
Impact protection: IK08

Side panels: plastic, grey polycarbonate, shockproof. Diffuser: plastic (non-yellowing polycarbonate), opal, impact resistant. Converter encapsulated, integrated and permanently connected to the diffuser and side panel. Cable screw fittings for convenient wiring. Turn lock fastener on both sides for easy installation. Luminaire with integrated 4-phase through-wiring to connect multiple luminaires. Ceiling mounting stainless steel brackets and triangular brackets for pendant mounting included in delivery. With integrated movement sensor. Master-Slave operation possible.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 9 = grey

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.



Functional parameters of the motion detector:

- Holding time: 10 sec. - 20 min., adjustable in 5 steps.
- Range: up to 14.4 m (depending on mounting height).
- Brightness sensor: adjustable in 5 steps.
- Factory setting: hold time 10 sec., brightness threshold deactivated, detection range 100%.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling, wall and pendant luminaires with movement sensor						**Price Category 11**
451210.009.19 .Q	L 800, B 66, H 71	840	1100/2100	9/17	124	on/off
451218.009.19 .Q	L 1400, B 66, H 71	840	3050/4950	22/37	139	on/off
451219.009.19 .Q	L 1700, B 66, H 71	840	4700/6800	33/54	143	on/off

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

End piece for turn lock fastener with D 25 mm		**Price Category 11**
982179.009	D 25, H 13	

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.





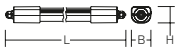
Comparison
LED vs. conventional lamps

LED 22 W ≈
1 x 54 W T16 (58 W Psys)
1 x 58 W T26 (59 W Psys)

LED 33 / 37 W ≈
1 x 80 W T16 (86 W Psys)

LED 54 W ≈
2 x 58 W T26 (118 W Psys)

Ceiling and wall luminaires | PLANOX ECO FARM



Type of protection: **IP 66**
Protection class: II
Impact protection: IK07

Side panels: plastic, grey polyamide. Diffuser made of non-yellowing plastic (PMMA), opal. Converter encapsulated, integrated and permanently connected to the diffuser and side panel. Cable screw fittings for convenient wiring. Luminaire with integrated 4-phase through-wiring to connect multiple luminaires. Ceiling mounting stainless steel brackets and triangular brackets for pendant mounting included in delivery.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Ammonia resistant : Suitable for the use in stables with livestock and agricultural side areas.

Available colour: 9 = grey

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling, wall and pendant luminaires						**Price Category 11**
451212.009.1	L 1369, B 61, H 50	840	3050/4950	22/37	139	on/off
451214.009.1 .Q	L 1669, B 61, H 50	840	4700/6800	33/54	143	on/off

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Turn lock fastening		**Price Category 11**
982429.019	D 44, H 41	

Mounting brackets made of stainless steel (theft protection) for ceiling and wall mounting		**Price Category 11**
982430.000	L 146, B 16, H 38	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



© shutterstock

The application image shows:
PLANOX ECO FARM

PLANOX TUBE | PLANOX TUBE FARM

Everything at a glance

PLANOX TUBE:
Versions with HF movement sensor: adjustable via the Casambi app.

Mesh sensors create a wireless connection between each other. This allows for flexible configuration via smartphone or tablet.

No disposable luminaire thanks to interchangeable components.



Homogeneous light distribution thanks to opal diffuser.

Tool-free opening and closing with twist lock.

End cap with Plug & Play Wieland RST® CLASSIC plug-in system for easy installation and maintenance.

Diffuser and end caps made of shockproof plastic.



Certified by DLG. This luminaire is resistant to ammonia and is suitable for high pressure cleaning with a min. distance of 5 cm.

Therefore ideally useable in barns with livestock and agricultural side areas.



Qualified for use in the food and drink industry.



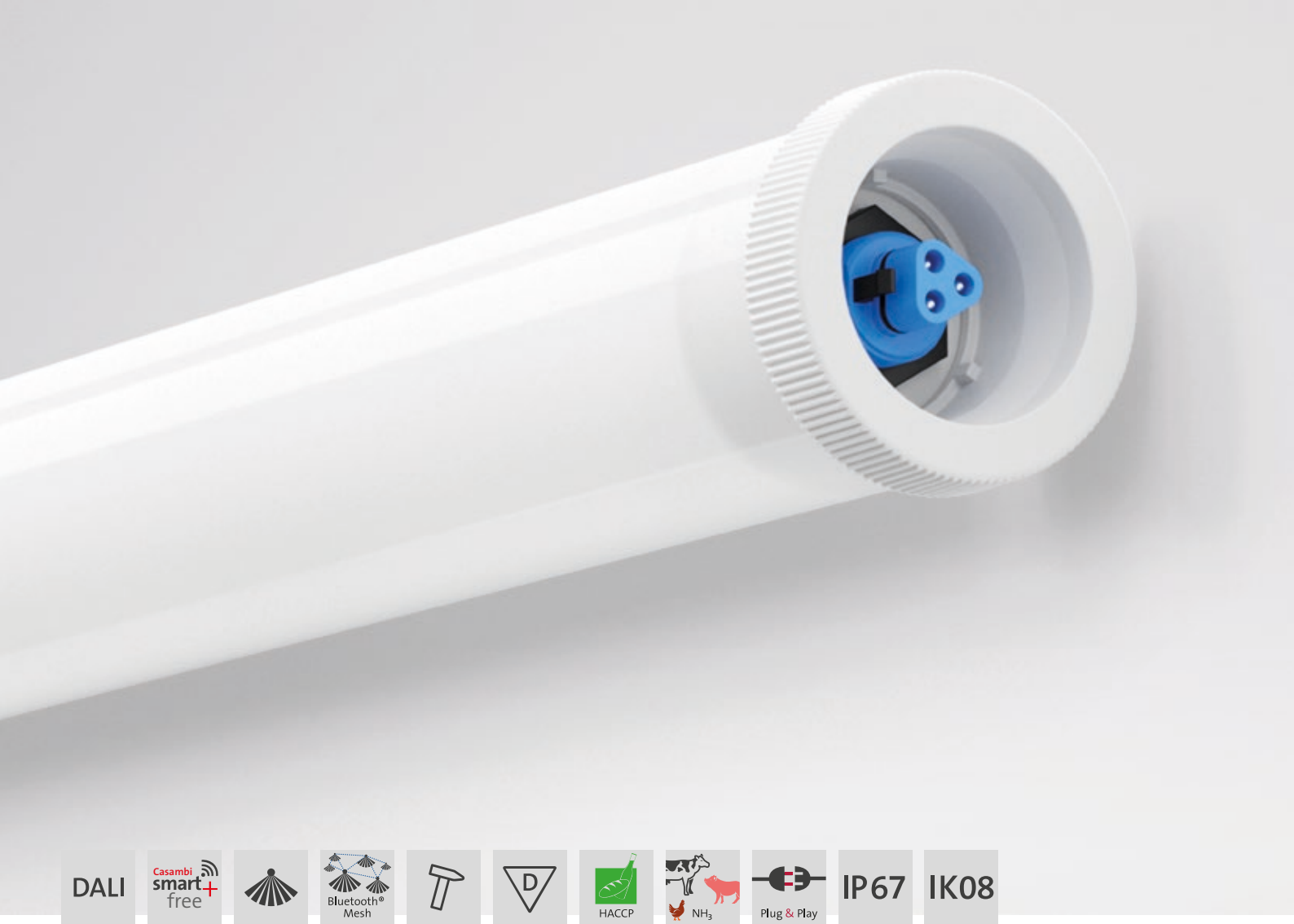
Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.



Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Indirect light to illuminate the ceiling.





PLANOX TUBE | PLANOX TUBE FARM

Tube luminaires

ARCHITECTURE

- **Robust:** IP 67 / IK08 - High types of protection for tough requirements.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.
- **Certified:** Qualified for use in the food and drink industry.
- **Safe:** Luminaire with limited surface temperature in accordance with EN 60598-2-24.
- **Versatile:** Ammonia-resistant version DLG approved.

LIGHTING DESIGN

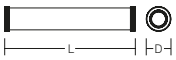
- **Powerful:** High luminous flux up to 10000 lm.
- **Efficient:** Good luminous efficacy of up to 162 lm/W.
- **Long service life:** Extended rated LED rated 72000 h (L80).
- **Flexible:** Selectable direction of light output by turning the luminaire in the retaining clips.
- **Dynamic:** Versions with movement sensor.
- **Reliable planning:** Suitable for lighting in public car parks and public off-street parking spaces according to DIN 67528.

INSTALLATION

- **Easy installation:** No need to open the luminaire for electrical connection thanks to Plug & Play connection system Wieland RST® CLASSIC.
- **Standard:** Versions with through wiring.
- **Versatile:** Surface and pendant mounting.
- **Flexible:** Variable installation thanks to customisable positioning of retaining clips along the length of the luminaire.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Tube luminaires | PLANOX TUBE





Type of protection: **IP 67**
Protection class: I
Impact protection: IK08

Diffuser made of plastic (polycarbonate), opal, shockproof. Rack made of sheet steel, white powder-coated. End caps made of plastic (polyamide) grey. Driver integrated. Easy installation with the Plug & Play Wieland RST® CLASSIC plug-in system. Version without through wiring including RST CLASSIC plug connector for electrical connection. Version with through wiring including pre-assembled RST CLASSIC plug / socket through wiring. Please order accessories for the electrical connection separately.

Mounting set must be ordered separately.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 2 = white

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison
LED vs. conventional lamps

LED 31 W ≈
2 x 35 W T16 (76 W Psys)

LED 39 W ≈
3 x 35 W T16 (113 W Psys)

LED 62 W ≈
4 x 35 W T16 (150 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Tube luminaires						**Price Category 11**
with through wiring						
601070.002.1	D 78, L 722	840	3500	31	113	on/off
601070.002.1.76	D 78, L 722	840	3500	31	113	DALI
601070.002.1.730	D 78, L 722	840	3500	31	113	smart+free
601071.002.1	D 78, L 1280	840	5350	39	138	on/off
601071.002.1.76	D 78, L 1280	840	5350	39	138	DALI
601071.002.1.730	D 78, L 1280	840	5350	39	138	smart+free
601072.002.1	D 78, L 1568	840	8650	62	140	on/off
601072.002.1.76	D 78, L 1568	840	8650	62	140	DALI
601072.002.1.730	D 78, L 1568	840	8650	62	140	smart+free
without through wiring						
601070.002	D 78, L 722	840	3500	31	113	on/off
601070.002.76	D 78, L 722	840	3500	31	113	DALI
601070.002.730	D 78, L 722	840	3500	31	113	smart+free
601071.002	D 78, L 1280	840	5350	39	138	on/off
601071.002.76	D 78, L 1280	840	5350	39	138	DALI
601071.002.730	D 78, L 1280	840	5350	39	138	smart+free
601072.002	D 78, L 1568	840	8650	62	140	on/off
601072.002.76	D 78, L 1568	840	8650	62	140	DALI
601072.002.730	D 78, L 1568	840	8650	62	140	smart+free



Wall or ceiling installation			**Price Category 11**
982117.009	L 98, B 21, H 93	Mounting bracket plastic (set 2 pieces).	



Pendant mounting			**Price Category 11**
982118.000	L 75, B 28, H 113	Mounting brackets with hanger assembly made of stainless steel (set 2 pieces)	

Accessories for the electrical connection of on/off and Casambi smart+free luminaires with through wiring			**Price Category 11**
982766.003	D 23, H 29	End cap	
982764.006	L 79, B 35, H 35	Connector, 3 pole, with plug and socket	
982765.006	L 82, B 35, H 35	Socket for feed-in	

Accessories for the electrical connection of DALI luminaires with through wiring			**Price Category 11**
982715.003	D 30, H 32	End cap	
982713.006	L 81, B 35, H 35	Connector, 5 pole, with plug and socket	
982714.006	L 81, B 35, H 35	Socket for feed-in	



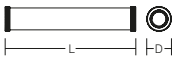
Comparison
LED vs. conventional lamps

LED 31 W ≈
2 x 35 W T16 (76 W Psys)

LED 39 W ≈
3 x 35 W T16 (113 W Psys)

LED 62 W ≈
4 x 35 W T16 (150 W Psys)

Tube luminaires | PLANOX TUBE - movement sensor



Type of protection: **IP 67**
Protection class: I
Impact protection: IK08

Diffuser made of plastic (polycarbonate), opal, shockproof. Rack made of sheet steel, white powder-coated. End caps made of plastic (polyamide) grey. Driver integrated. Easy installation with the Plug & Play Wieland RST® CLASSIC plug-in system. Version without through wiring including RST CLASSIC plug connector for electrical connection. Version with through wiring including pre-assembled RST CLASSIC plug / socket through wiring. Please order accessories for the electrical connection separately.

With integrated Casambi smart+free Bluetooth® light and motion detector for wireless networking and operation using an Android / iOS device, free app available for download.

Mounting set must be ordered separately.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 2 = white

Functional parameters of the motion detector:

- Holding time: adjustable via Casambi app.
- Range: up to 6 m; adjustable in 4 steps.
- Brightness sensor: adjustable in 5 steps.
- Factory setting: hold time adjustable via Casambi app, brightness threshold deactivated, detection range 100%.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Tube luminaires with integrated movement sensor						**Price Category 11**
with through wiring						
601070.002.1.730HF	D 78, L 792	840	3500	31	113	smart+free
601071.002.1.730HF	D 78, L 1349	840	5350	39	137	smart+free
601072.002.1.730HF	D 78, L 1631	840	8650	62	140	smart+free
without through wiring						
601070.002.730HF	D 78, L 791	840	3500	31	113	smart+free
601071.002.730HF	D 78, L 1349	840	5350	39	137	smart+free
601072.002.730HF	D 78, L 1631	840	8650	62	140	smart+free



Pendant mounting			**Price Category 11**
982118.000	L 75, B 28, H 113	Mounting brackets with hanger assembly made of stainless steel (set 2 pieces)	

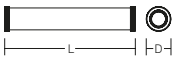


Wall or ceiling installation			**Price Category 11**
982117.009	L 98, B 21, H 93	Mounting bracket plastic (set 2 pieces).	

Accessories for the electrical connection of on/off and Casambi smart+free luminaires with through wiring			**Price Category 11**
982766.003	D 23, H 29	End cap	
982764.006	L 79, B 35, H 35	Connector, 3 pole, with plug and socket	
982765.006	L 82, B 35, H 35	Socket for feed-in	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Tube luminaires | PLANOX TUBE FARM





Type of protection: **IP 67**
Protection class: I
Impact protection: IK08

Diffuser made of UV-resistant plastic (PMMA), opal. Rack made of sheet steel, white powder- coated. End caps made of plastic (polyamide) grey. Driver integrated. Easy installation with the Plug & Play Wieland RST® CLASSIC plug-in system.

Mounting set must be ordered separately.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Ammonia resistant : Suitable for the use in stables with livestock and agricultural side areas.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Tube luminaires						**Price Category 11**
601070.002.5	D 78, L 722	840	4050	31	131	on/off
601071.002.5	D 78, L 1280	840	6250	39	161	on/off
601072.002.5	D 78, L 1568	840	10000	62	162	on/off

Comparison
LED vs. conventional lamps

LED 31 W ≈
2 x 39 W T16 (82 W Psys)

LED 39 W ≈
3 x 39 W T16 (123 W Psys)

LED 62 W ≈
4 x 39 W T16 (164 W Psys)

Pendant mounting			Price Category 11
982118.000	L 75, B 28, H 113	Mounting brackets with hanger assembly made of stainless steel (set 2 pieces)	



Wall or ceiling installation			Price Category 11
982118.010	L 125, B 28, H 175	Mounting brackets made of stainless steel with hanger bolts (set 2 pieces)	





© shutterstock

The application image shows:
PLANOX TUBE

PLANOX

Everything at a glance

Luminaires with limited surface temperature in accordance with EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Versions with housing and diffuser made of shockproof polycarbonate.

IK08

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Ideal for modernisations thanks to the possibility of central feed.

MultiLumen version:
The user can choose from two different luminous flux levels (LO=Low/HO=High).

Thanks to the switch in the luminaire the lumen output can easily be changed even after installation.

The initial setting is "HO" (high lumen).



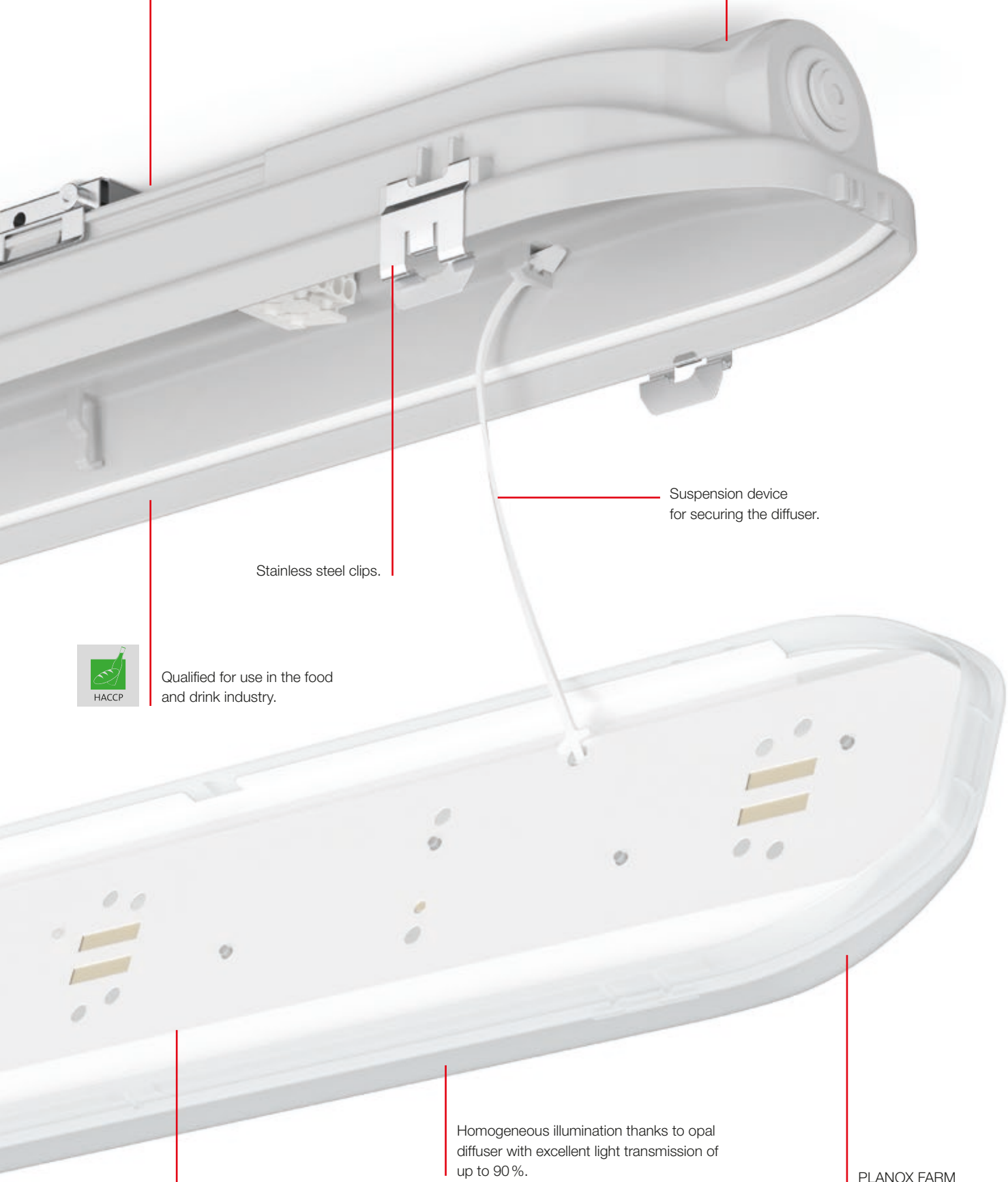
IP66

Injected silicone-based seal with increased resistance even under extreme conditions.

Plug & Play

Flexible and easy installation thanks to sliding quick-fix brackets made of stainless steel and diffuser with integrated gear tray as well as variable cable entry (face or rear sided).

Also available as an emergency luminaire in accordance with EN 60598-2-22



Suspension device for securing the diffuser.

Stainless steel clips.

HACCP

Qualified for use in the food and drink industry.

Homogeneous illumination thanks to opal diffuser with excellent light transmission of up to 90 %.

Not a disposable luminaire thanks to replaceable components.

NH_3

PLANOX FARM

Ideally useable in barns with livestock and agricultural side areas.



PLANOX | PLANOX FARM

Ceiling and wall luminaires

ARCHITECTURE

- **Protected:** IP 66 - High type of protection for tough requirements.
- **Robust:** IK08 - Versions with diffuser made of shockproof polycarbonate.
- **Safe:** Luminaire with limited surface temperature in accordance with EN 60598-2-24.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.
- **Certified:** Qualified for use in the food and drink industry.
- **Advantageous:** Ideal for modernisations thanks to the possibility of central feed.

LIGHTING DESIGN

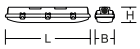
- **Powerful:** High luminous flux up to 9200 lm.
- **Efficient:** Very good luminous efficiency of up to 164 lm/W.
- **Long service life:** Extended LED rated life up to 100,000 h (L80).
- **Variable:** MultiLumen - 2-step adjustable luminous flux without tools.
- **Dynamic:** Versions with movement sensor.
- **Reliable planning:** Suitable for lighting in public car parks and public off-street parking spaces according to DIN 67528.

INSTALLATION

- **Easy installation:** Variable cable entry (face or rear sided).
- **Straightforward:** Simple, fast and flexible installation due to plug-in system.
- **Standard:** Through-wiring for additional luminaires.
- **Versatile:** Surface and pendant mounting.
- **Flexible:** Sliding mounting brackets. Ideal for luminaire replacement.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | PLANOX





Type of protection: **IP 66**
Protection class: I
Impact protection: IK04 (PMMA), IK08 (polycarbonate)

Housing made of shockproof, UV-resistant plastic (polycarbonate). Injected silicone-based seal with increased resistance even under extreme conditions. Diffuser made of UV-resistant opal plastic (PMMA) or shockproof opal plastic (polycarbonate) with excellent light transmission of up to 90%. Flexible and easy installation thanks to sliding quick-fix brackets made of stainless steel and diffuser with integrated gear tray as well as variable cable entry (face or rear sided). Through-wiring (2.5mm²) as standard. Ceiling mounting stainless steel brackets and triangular brackets for pendant mounting included in delivery.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Available colour: 9 = grey

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control	
Ceiling, wall and pendant luminaires							**Price Category 11**
Diffuser: plastic (polycarbonate)							
Length 615 mm							
451230.009	L 615, B 102, H 85	840	2000/3100	14/22	143	on/off	✓
451230.009.76	L 615, B 102, H 85	840	2000/3100	14/22	143	DALI	
451230.009.730	L 615, B 102, H 85	840	3100	22	141	smart+free	
451231.009	L 1174, B 102, H 85	840	4400/6400	29/43	152	on/off	✓
451231.009.76	L 1174, B 102, H 85	840	4400/6400	29/43	152	DALI	
451231.009.730	L 1174, B 102, H 85	840	6400	43	149	smart+free	
451232.009	L 1454, B 102, H 85	840	6700/8600	44/57	152	on/off	✓
451232.009.76	L 1454, B 102, H 85	840	6700/8600	44/57	152	DALI	
451232.009.730	L 1454, B 102, H 85	840	8600	57	151	smart+free	
Diffuser: plastic (PMMA)							
451233.009	L 615, B 102, H 85	840	2200/3400	14/22	157	on/off	✓
451233.009.76	L 615, B 102, H 85	840	2200/3400	14/22	157	DALI	
451233.009.730	L 615, B 102, H 85	840	3400	22	155	smart+free	
451234.009	L 1174, B 102, H 85	840	4700/6900	29/43	162	on/off	✓
451234.009.76	L 1174, B 102, H 85	840	4700/6900	29/43	162	DALI	
451234.009.730	L 1174, B 102, H 85	840	6900	43	160	smart+free	
451235.009	L 1454, B 102, H 85	840	7200/9200	44/57	164	on/off	✓
451235.009.76	L 1454, B 102, H 85	840	7200/9200	44/57	164	DALI	
451235.009.730	L 1454, B 102, H 85	840	9200	57	161	smart+free	

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 14 W ≈
1 x 36 W T26 (37 W Psys)

LED 22 W ≈
1 x 58 W T26 (59 W Psys)

LED 29 W ≈
2 x 36 W T26 (74 W Psys)

LED 43 / 44 W ≈
3 x 36 W T26 (111 W Psys)
2 x 58 W T26 (118 W Psys)

LED 57 W ≈
3 x 58 W T26 (177 W Psys)

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.





Comparison LED vs. conventional lamps

LED 15 W ≈
1 x 36 W T26 (37 W Psys)

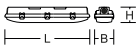
LED 23 W ≈
1 x 58 W T26 (59 W Psys)

LED 30 W ≈
2 x 36 W T26 (74 W Psys)

LED 44 / 45 W ≈
3 x 36 W T26 (111 W Psys)
2 x 58 W T26 (118 W Psys)

LED 58 W ≈
3 x 58 W T26 (177 W Psys)

Ceiling and wall luminaires | PLANOX - movement sensor



Type of protection: **IP 66**
Protection class: I
Impact protection: IK04 (PMMA), IK08 (polycarbonate)

Housing made of shockproof, UV-resistant plastic (polycarbonate). Injected silicone-based seal with increased resistance even under extreme conditions. Diffuser made of UV-resistant opal plastic (PMMA) or shockproof opal plastic (polycarbonate) with excellent light transmission of up to 90%. Flexible and easy installation thanks to sliding quick-fix brackets made of stainless steel and diffuser with integrated gear tray as well as variable cable entry (face or rear sided). Through-wiring (2.5mm²) as standard. Ceiling mounting stainless steel brackets and triangular brackets for pendant mounting included in delivery. With integrated movement sensor. Master-Slave operation possible.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Available colour: 9 = grey

Functional parameters of the motion detector:

- Holding time: 5 sec. - 10 or 15 min., adjustable in 4 steps.
- Range: up to 8 m; adjustable in up to 4 steps.
- Brightness sensor: adjustable in up to 4 steps.
- Factory setting: hold time 5 sec., brightness threshold deactivated, detection range 100%.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling, wall and pendant luminaires with movement sensor						**Price Category 11**
Diffuser: plastic (polycarbonate)						
451230.009.19	L 615, B 102, H 85	840	2000/3100	15/23	135	on/off
451231.009.19	L 1174, B 102, H 85	840	4400/6400	30/44	147	on/off
451232.009.19	L 1454, B 102, H 85	840	6700/8600	45/58	149	on/off
Diffuser: plastic (PMMA)						
451233.009.19	L 615, B 102, H 85	840	2200/3400	15/23	148	on/off
451234.009.19	L 1174, B 102, H 85	840	4700/6900	30/44	157	on/off
451235.009.19	L 1454, B 102, H 85	840	7200/9200	45/58	160	on/off

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



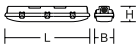


Comparison LED vs. conventional lamps

LED 33 W ≈
2 x 36 W T26 (74 W Psys)

LED 44 W ≈
3 x 36 W T26 (111 W Psys)

Ceiling and wall luminaires | PLANOX FARM



Type of protection: **IP 66**
Protection class: I
Impact protection: IK04

Specially developed for long-term resistance to chemicals, especially ammonia. Housing made of resistant, glass-fibre reinforced plastic (GRP). Diffuser made of UV-resistant opal plastic (PMMA) with excellent light transmission of up to 90%. Injected silicone-based seal with increased resistance even under extreme conditions. Flexible and easy installation thanks to sliding quick-fix brackets made of stainless steel and diffuser with integrated gear tray as well as variable cable entry (face or rear sided). Through-wiring (2.5mm²) as standard. Ceiling mounting stainless steel brackets and triangular brackets for pendant mounting included in delivery.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Ammonia resistant : Suitable for the use in stables with livestock and agricultural side areas.

Available colour: 9 = grey

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling, wall and pendant luminaires						**Price Category 11**
451234.009.1	L 1174, B 102, H 85	840	5450	33	165	on/off
451235.009.1	L 1454, B 102, H 85	840	7150	44	163	on/off

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



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The application image shows:
PLANOX



The application image shows:
INDUSTRIAL HALL
PLANOX TUBE

© Linus Lintner


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550-551

551


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LIGHT CASE
546-553

INDUSTRIAL HALL
554-559

INDUSTRIAL HALL EVO
560-563

LIGHT CASE®

Everything at a glance

CLO Constant Light Output

DALI

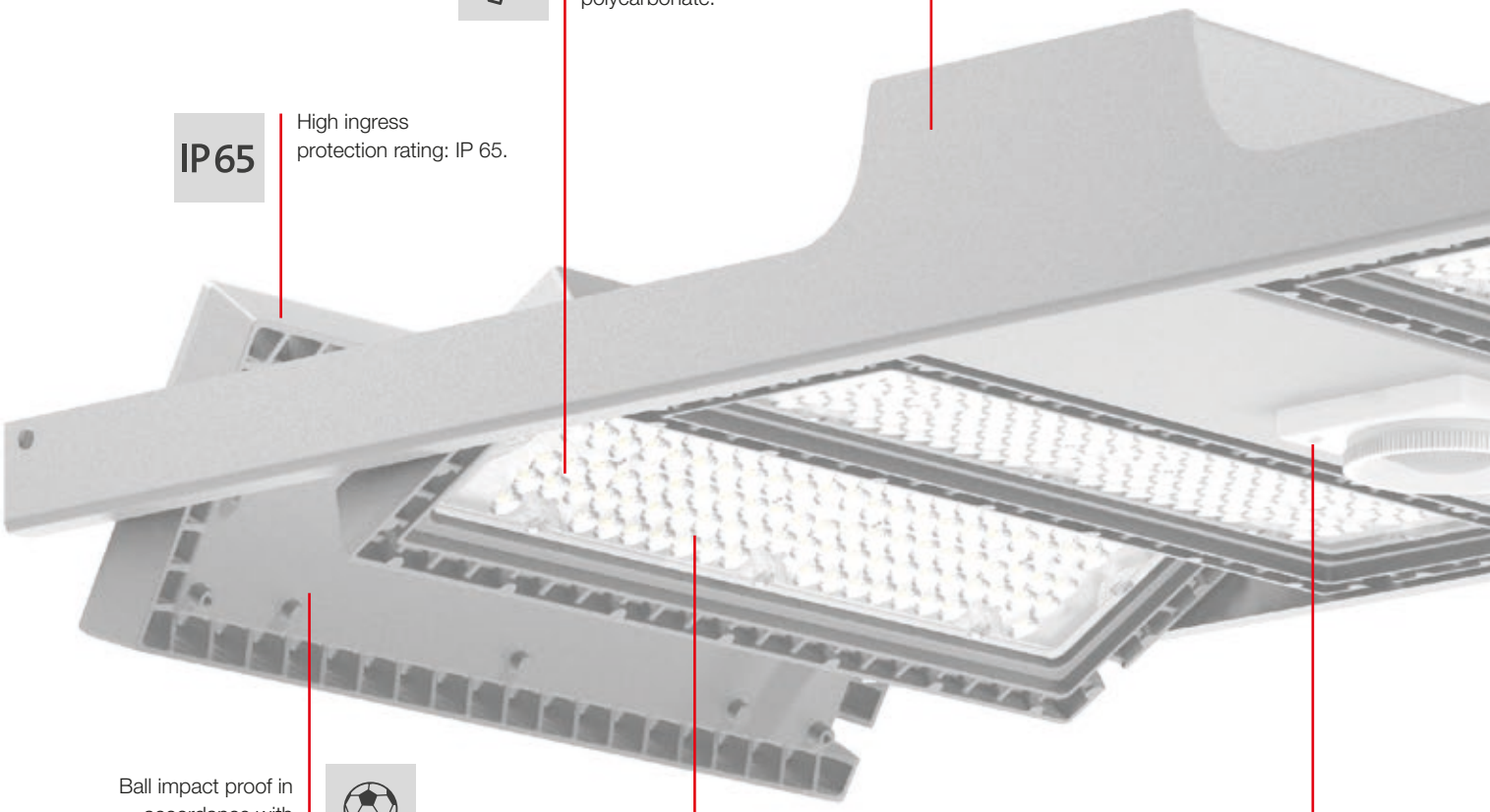
State of the art drivers regulate the LEDs throughout their entire lifetime and therefore prevent the usual reduction in luminous flux. This process known as **CLO** (Constant Light Output) allows the optimised control of efficiency right from the start.

Converter compatible with DC.

Luminaires made of impact resistant polycarbonate.

IP65

High ingress protection rating: IP 65.



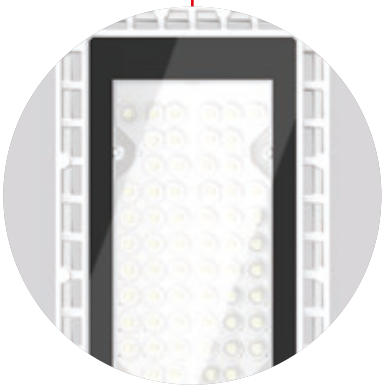
Ball impact proof in accordance with DIN 18032-03.

Highbay luminaire with 4 modules: Version with integrated movement sensor and light sensor for daylight detection.

With all other versions on request.

light control

Additional cover of single-panetempered glass for demanding environmental conditions such as atmospheres containing oil and chemicals.



D

Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

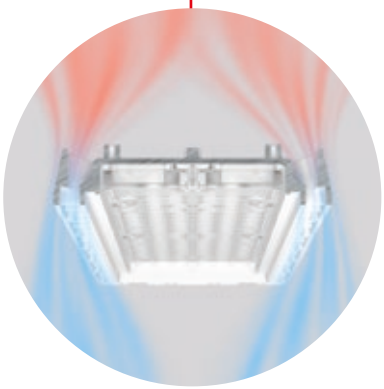
Not a disposable luminaire thanks to replaceable components.



LED module can be swivelled ± 30°.
There is also the option to rotate the module through 180° for indirect light.



“Self cleaning” heat sink: Vertical cooling ribs prevent dust deposits and ensure constant heat dissipation





DALI | CLO Constant Light Output | IP65

LIGHT CASE®

Highbay luminaires

ARCHITECTURE

- **Versatile:** 4 sizes, 3 installation types, 3 beam angles, 2 colours.
- **Robust:** Version with toughened safety glass for demanding environmental conditions.
- **Standard:** Ball impact proof in accordance with DIN 18032-03.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

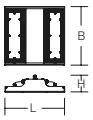
- **Powerful:** High luminous flux up to 53000 lm.
- **Efficient:** Very good luminous efficiency of up to 159 lm/W.
- **Dynamic:** Version with integrated movement sensor and light sensor for daylight detection.
- **Reliable planning:** CLO control for constant light output over the entire service life.

INSTALLATION

- **Flexible:** Surface and pendant mounting.
- **Individual:** LED module can be swivelled ± 30° and can be rotated through 180° for indirect light.
- **Advantageous:** Accessories for direct ceiling installation, cable and chain pendant mounting available.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Highbay luminaires | LIGHT CASE





Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Housing: die cast aluminium and sheet steel, powder-coated. LED modules can be swivelled ± 30° for optimum illumination. Cover: plastic (polycarbonate, shockproof), with integrated four-row lens system. Lens optics for different light distribution versions. With 5-pin connection terminal (1.5 m). CLO control for constant light output over the entire service life.

Ball impact proof in accordance with DIN 18032-03 (except steel cable suspension).

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

With integrated movement sensor and light sensor for daylight detection on request.

Suitable for chain or steel cable suspension (to be provided on site).

Available colours (X): 2 = white, 4 = silver

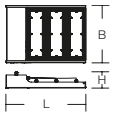
Comparison
LED vs. conventional lamps

LED 117 W ≈
2 x 100 W HIE (212 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Highbay luminaires with 2 modules							**Price Category 21**
Narrow beam light distribution							
921680.00X.76	L 406, B 397, H 110	840	17700	117	152	22,2	DALI
921680.00X.1.76 *	L 406, B 397, H 110	865	17300	117	148	22,5	DALI
Light distribution deep-wide beam							
921681.00X.76	L 406, B 397, H 110	840	17700	117	152	23,4	DALI
921681.00X.1.76 *	L 406, B 397, H 110	865	17400	117	149	23,4	DALI
Wide beam light distribution							
921682.00X.76	L 406, B 397, H 110	840	17800	117	153	24,3	DALI
921682.00X.1.76 *	L 406, B 397, H 110	865	17400	117	149	24,5	DALI

* Photobiological safety according to EN 62471: RG2

Highbay luminaires | LIGHT CASE





Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Housing: die cast aluminium and sheet steel, powder-coated. LED modules can be swivelled ± 30° for optimum illumination. Cover: plastic (polycarbonate, shockproof), with integrated four-row lens system. Lens optics for different light distribution versions. With 5-pin connection terminal (1.5 m). CLO control for constant light output over the entire service life.

Ball impact proof in accordance with DIN 18032-03 (except steel cable suspension).

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

With integrated movement sensor and light sensor for daylight detection on request.

Suitable for chain or steel cable suspension (to be provided on site).

Available colours (X): 2 = white, 4 = silver

Comparison
LED vs. conventional lamps

LED 168 W ≈
2 x 150 W HIE (320 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Highbay luminaires with 3 modules							**Price Category 21**
Narrow beam light distribution							
921683.00X.76	L 544, B 397, H 110	840	26500	168	158	22,2	DALI
921683.00X.1.76 *	L 544, B 397, H 110	865	26000	168	155	22,5	DALI
Light distribution deep-wide beam							
921684.00X.76	L 544, B 397, H 110	840	26500	168	158	23,4	DALI
921684.00X.1.76 *	L 544, B 397, H 110	865	26100	168	156	23,4	DALI
Wide beam light distribution							
921685.00X.76	L 544, B 397, H 110	840	26700	168	159	24,3	DALI
921685.00X.1.76 *	L 544, B 397, H 110	865	26100	168	156	24,5	DALI

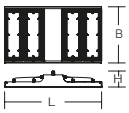
* Photobiological safety according to EN 62471: RG2



Comparison
LED vs. conventional lamps

LED 225 W ≈
1 x 400 W HIE (440 W Psys)

Highbay luminaires | LIGHT CASE



Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Housing: die cast aluminium and sheet steel, powder-coated. LED modules can be swivelled ± 30° for optimum illumination. Cover: plastic (polycarbonate, shockproof), with integrated four-row lens system. Lens optics for different light distribution versions. With 5-pin connection terminal (1.5 m). CLO control for constant light output over the entire service life.

Ball impact proof in accordance with DIN 18032-03 (except steel cable suspension).

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

With integrated movement sensor and light sensor for daylight detection on request.

Suitable for chain or steel cable suspension (to be provided on site).

Available colours (X): 2 = white, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Highbay luminaires with 4 modules							**Price Category 21**
Narrow beam light distribution							
921686.00X.76	L 680, B 397, H 110	840	35300	225	157	22,2	DALI
921686.00X.1.76 *	L 680, B 397, H 110	865	34600	225	154	22,5	DALI
Light distribution deep-wide beam							
921687.00X.76	L 680, B 397, H 110	840	35400	225	158	23,4	DALI
921687.00X.1.76 *	L 680, B 397, H 110	865	34800	225	155	23,4	DALI
Wide beam light distribution							
921688.00X.76	L 680, B 397, H 110	840	35600	225	159	24,3	DALI
921688.00X.1.76 *	L 680, B 397, H 110	865	34800	225	155	24,5	DALI

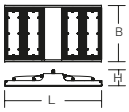
* Photobiological safety according to EN 62471: RG2



Comparison
LED vs. conventional lamps

LED 225 W ≈
1 x 400 W HIE (440 W Psys)

Highbay luminaires | LIGHT CASE ESG



Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Housing: die cast aluminium and sheet steel, powder-coated. LED modules can be swivelled ± 30° for optimum illumination. Cover: plastic (polycarbonate, shockproof), with integrated four-row lens system. **Additional cover of toughened safety glass for demanding environmental conditions such as atmospheres containing oil and chemicals.** With 5-pin connection terminal (1.5 m). CLO control for constant light output over the entire service life.

Ball impact proof in accordance with DIN 18032-03 (except steel cable suspension).

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

With integrated movement sensor and light sensor for daylight detection on request.

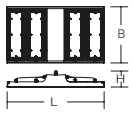
Suitable for chain or steel cable suspension (to be provided on site).

Available colours (X): 2 = white, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Highbay luminaires with 4 modules							**Price Category 21**
Wide beam light distribution							
921694.00X.76	L 680, B 397, H 110	840	35600	225	159	24,3	DALI

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Highbay luminaires | LIGHT CASE SENSOR - Movement sensor



Type of protection: **IP 65**
Protection class: I
Impact protection: IK02

Housing: die cast aluminium and sheet steel, powder-coated. LED modules can be swivelled ± 30° for optimum illumination. Cover: plastic (polycarbonate, shockproof), with integrated four-row lens system. With 5-pin connection terminal (1.5 m). Built-in DALI sensor for daylight- and presence-dependent lighting control. CLO control for constant light output over the entire service life.

Ball impact proof in accordance with DIN 18032-03 (except steel cable suspension).

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Suitable for chain or steel cable suspension (to be provided on site).

Available colours (X): 2 = white, 4 = silver



DALI 1 sensor



DALI 2 sensor

Light and presence sensor (DALI 1):

Housing: plastic. Functions can be used separately. 2 DALI input addresses.
Detection range: 18 m. Light sensor range: 20-800 lx (measured at the sensor).
Installation height: up to 13 m.

Example of use: Walking motion detection of persons: 3-10 m installation height.
Vehicle motion detector (e.g. fork lift): 3-13 m installation height.

Light and presence sensor (DALI 2):

Housing: plastic. Detection range: 12-18 m. Detection angle: to 72°.
Light sensor range: 0,5-2000 lx (measured at the sensor). Installation height: 8-18 m.

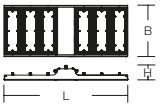
Example of use: Warehouses, corridors, passageways, garages.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Highbay luminaires with 4 modules							**Price Category 21**
Wide beam light distribution							
DALI 1 sensor							
921692.00X.76	L 680, B 397, H 178	840	35600	225	159	24,3	DALI
DALI 2 sensor							
921693.00X.76	L 680, B 397, H 131	840	35600	225	159	24,3	DALI

Comparison LED vs. conventional lamps

LED 225 W ≈
1 x 400 W HIE (440 W Psys)

Highbay luminaires | LIGHT CASE



Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Housing: die cast aluminium and sheet steel, powder-coated. LED modules can be swivelled ± 30° for optimum illumination. Cover: plastic (polycarbonate, shockproof), with integrated four-row lens system. Lens optics for different light distribution versions. With 5-pin connection terminal (1.5 m). CLO control for constant light output over the entire service life.

Ball impact proof in accordance with DIN 18032-03 (except steel cable suspension).

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

With integrated movement sensor and light sensor for daylight detection on request.

Suitable for chain or steel cable suspension (to be provided on site).

Available colours (X): 2 = white, 4 = silver

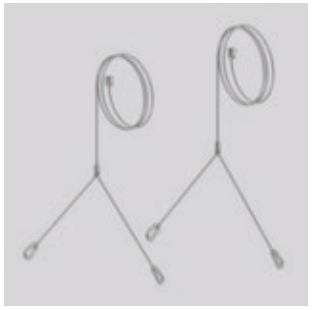


Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Highbay luminaires with 6 modules							**Price Category 21**
Narrow beam light distribution							
921689.00X.76	L 956, B 397, H 110	840	53000	335	159	22,2	DALI
921689.00X.1.76 *	L 956, B 397, H 110	865	52000	335	156	22,5	DALI
Light distribution deep-wide beam							
921690.00X.76	L 956, B 397, H 110	840	53000	335	159	23,4	DALI
921690.00X.1.76 *	L 956, B 397, H 110	865	52200	335	156	23,4	DALI
Wide beam light distribution							
921691.00X.76	L 956, B 397, H 110	840	53300	335	160	24,3	DALI
921691.00X.1.76 *	L 956, B 397, H 110	865	52200	335	156	24,5	DALI

* Photobiological safety according to EN 62471: RG2

Comparison LED vs. conventional lamps

LED 335 W ≈
3 x 250 W HIE (825 W Psys)



Accessories

Suspension Length: 1750 mm

Suspension cable set for torsion- and vibration-free horizontal mounting.
Consisting of 2 Y-type steel cables and snaplinks for a 2-point suspension.

Available colour: 0 = blank

Reference number	Dimensions [mm]		
Pendant mounting			**Price Category 21**
982642.000	LP 1750 mm	Suspension cable set	



Accessories

Suspension Length: 1850 mm

Chain suspension set for torsion- and vibration-free horizontal mounting.
Consisting of 2 knotted chains with turnbuckle and snaplink.

Available colour: 0 = blank

Reference number	Dimensions [mm]		
Pendant mounting			**Price Category 21**
982642.010	LP 1850 mm	Chain suspension set	

Accessories

For attaching chain or rope pendulum sets to a suspension point.

Available colour: 2 = white

Reference number	Dimensions [mm]		
Mounting accessories for pendant set			**Price Category 21**
982689.002	L 70, B 30, H 19	Ceiling mounting element for single-point suspension	

Accessories

Mounting bracket for wall and ceiling mounting, 180° swivelling. Angle adjustable in 15° steps.

Available colours (X): 2 = white, 4 = silver

Reference number	Dimensions [mm]		
Wall and ceiling mounting bracket			**Price Category 21**
982691.01X	L 403, B 61, H 283	For luminaire with 2, 4 or 6 modules	
982691.00X	L 403, B 61, H 346	For luminaire with 3 modules	

Accessories

Mounting bracket for wall mounting.

Available colours (X): 2 = white, 4 = silver

Reference number	Dimensions [mm]		
Wall mounting			**Price Category 21**
982690.00X	L 146, B 401, H 100	For luminaire with 3 modules	

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# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



© Rok Deželak - RD2 Photography

The application image shows:
LIGHT CASE

INDUSTRIAL HALL

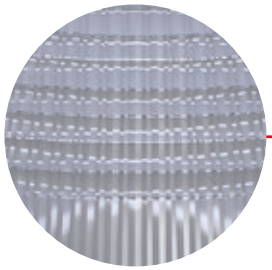
Everything at a glance

Simple to install thanks to
1-point suspension.

High ingress protection rating: IP 65.

IP65

Luminaire prepared as standard for holding mounting bracket, reflector and refractor.
Fast and easy installation through keyhole mounting.

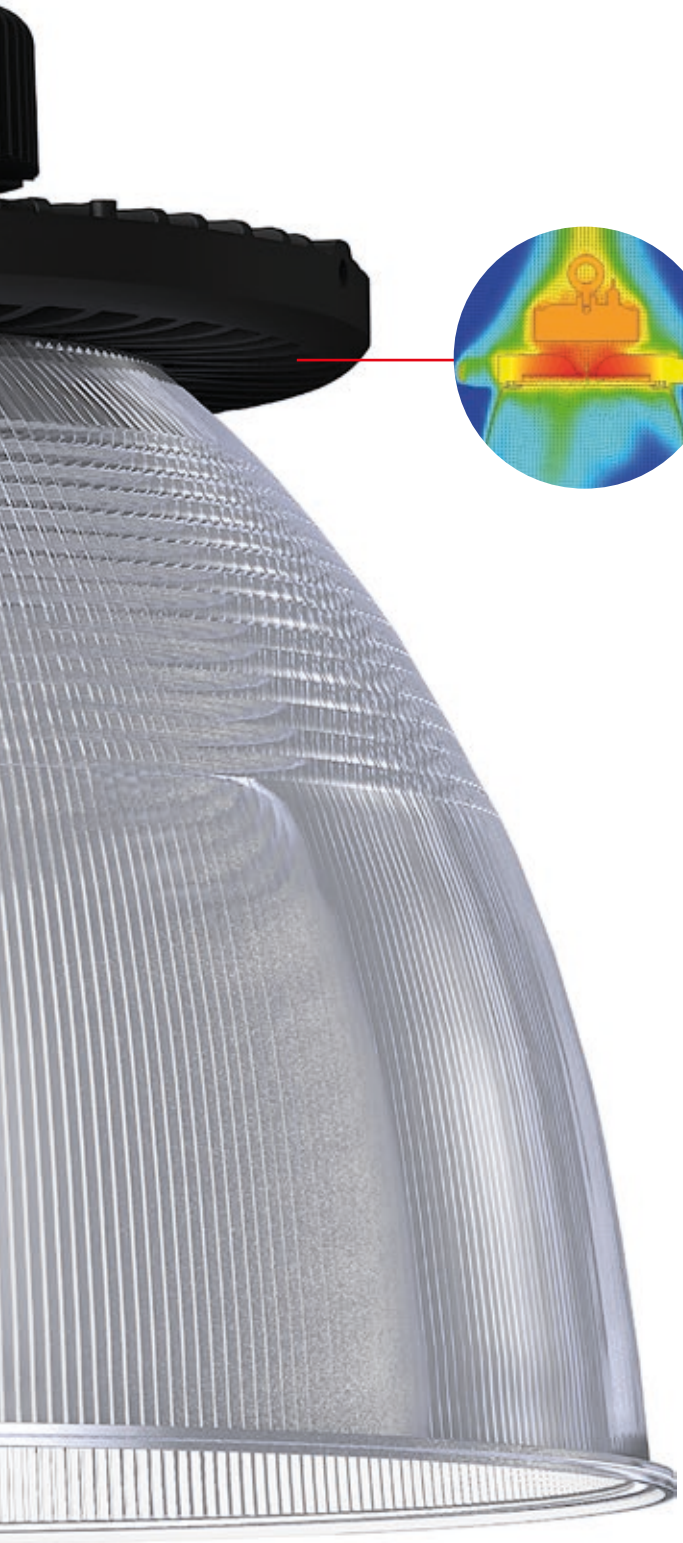


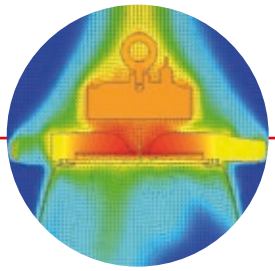
Refractor: transparent plastic (PMMA), prismatic on the outside for additional ceiling illumination (approx. 6 % indirect light) and harmonious distribution of brightness in the room.
Brilliant and elegant light distribution.
Excellent luminaire operating efficiency level.



HACCP

Suitable for use in the food and drink industry.



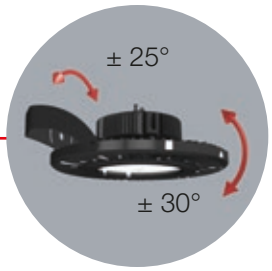


D

Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Airflows prevent dust deposits and ensure optimum thermomanagement.

Accessoires available: Wall and ceiling mounting bracket.



Glare limitation through accessories with reflectors and refractors.





DALI | D | HACCP | IP65

INDUSTRIAL HALL

Highbay luminaires

ARCHITECTURE

- **Robust:** Compact and flat Highbay.
- **Protected:** Non-reflecting, toughened safety glass.
- **Safe:** Luminaire with limited surface temperature in accordance with EN 60598-2-24.

LIGHTING DESIGN

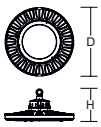
- **Reliable planning:** Optionally free-radiating, with aluminum reflector or with plastic refractor.
- **Certified:** Qualified for use in the food and drink industry.
- **Versatile:** High Temperature version for high ambient temperatures.

INSTALLATION

- **Easy installation:** Easy to install thanks to 1-point suspension.
- **Variable:** Surface and pendant mounting.
- **Flexible:** Glare limitation through accessories with reflectors (UGR ≤ 22) and refractors (UGR ≤ 19 up to 25).

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Highbay luminaires | INDUSTRIAL HALL





Type of protection: **IP 65**
Protection class: I
Impact protection: IK09, IK07 (HT)

Operating range: -30°C to +50°C
Operating range HT: -10°C to +65°C

Robust housing made of die-cast aluminium with eye ring, powder coated. Vertical cooling ribs ensure constant heat dissipation for optimal thermal management. Primary light control with high-performance wide-area LED. Diffuser made of clear, non-reflecting, single pane safety glass (toughened glass). Easy to install thanks to 1-point suspension. With power cord (1.5 m). Dimming range 10% to 100%.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Suitable for chain or steel cable suspension (to be provided on site).

Available colour: 3 = black

Comparison LED vs. conventional lamps

LED 40 W ≈
1 x 70 W HIT (84 W Psys)

LED 80 / 85 W ≈
1 x 150 W HIT (160 W Psys)

LED 120 / 150 W ≈
2 x 70 W HIT (159 W Psys)

LED 165 W ≈
2 x 150 W HIT (320 W Psys)

LED 220 W ≈
1 x 400 W HIE (440 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Highbay luminaires without cover								**Price Category 21**
INDUSTRIAL HALL mini								
921713.003	D 248, H 168	840	5800	40	145	104	32,5	on/off
921713.003.76	D 248, H 175	840	5800	40	145	105	32,6	DALI
921714.003.1	D 248, H 168	830	10000	80	125	103	34,8	on/off
921714.003	D 248, H 168	840	11000	80	138	103	35,2	on/off
921714.003.76	D 248, H 170	840	11000	80	138	103	35	DALI
INDUSTRIAL HALL midi								
921698.003	D 360, H 168	840	13900	85	164	111	32,3	on/off
921698.003.76	D 360, H 168	840	13900	85	164	111	32,3	DALI
921699.003	D 360, H 168	840	19300	120	161	111	33,4	on/off
921699.003.76	D 360, H 168	840	19300	120	161	111	33,4	DALI
921700.003 .Q	D 360, H 178	840	25500	165	155	111	34,4	on/off
921700.003.76	D 360, H 178	840	25500	165	155	111	34,4	DALI
INDUSTRIAL HALL maxi								
921707.003	D 405, H 178	840	35000	220	160	111	34,2	on/off
921707.003.76	D 405, H 178	840	35000	220	160	111	34,2	DALI
921707.003.2.76	D 405, H 178	850	35500	220	162	111	34,2	DALI
INDUSTRIAL HALL HT maxi								
921710.003	L 499, B 405, H 118	840	19500	150	130	108	31,9	on/off

Exchange Brackets for alternative mounting method			Price Category 21
982265.003	L 253, B 90, H 157	INDUSTRIAL HALL mini	
982817.003	L 366, B 127, H 226	INDUSTRIAL HALL midi	
982834.003	L 409, B 127, H 229	INDUSTRIAL HALL maxi	

Refractor: plastic			Price Category 21
982267.000	D 315, H 188	INDUSTRIAL HALL mini	
982115.000	D 570, H 343	INDUSTRIAL HALL midi	
982115.020	D 570, H 343	INDUSTRIAL HALL maxi | INDUSTRIAL HALL HT maxi	

Reflector: aluminium			Price Category 21
982266.004	D 180, H 70	INDUSTRIAL HALL mini	
982114.004	D 327, H 150	INDUSTRIAL HALL midi	
982338.004	D 380, H 194	INDUSTRIAL HALL maxi | INDUSTRIAL HALL HT maxi	



Ceiling and wall mounting bracket



INDUSTRIAL HALL mini



INDUSTRIAL HALL midi



INDUSTRIAL HALL maxi

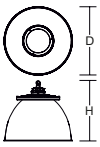


INDUSTRIAL HALL HT maxi

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
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Highbay luminaires | INDUSTRIAL HALL



Type of protection: **IP 65**
Protection class: I
Impact protection: IK03

Operating range: -30°C to +50°C
Operating range HT: -10°C to +65°C

Robust housing made of die-cast aluminium with eye ring, powder coated. Vertical cooling ribs ensure constant heat dissipation for optimal thermal management. Refractor: PMMA, transparent. Primary light control with high-performance wide-area LED. Diffuser made of clear, non-reflecting, single pane safety glass (toughened glass). Easy to install thanks to 1-point suspension. With power cord (1.5 m). Dimming range 10% to 100%.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Suitable for chain or steel cable suspension (to be provided on site).

Available colour: 3 = black

Comparison
LED vs. conventional lamps

LED 40 W ≈
1 x 70 W HIT (84 W Psys)

LED 80 / 85 W ≈
1 x 150 W HIT (160 W Psys)

LED 120 / 150 W ≈
2 x 70 W HIT (159 W Psys)

LED 165 W ≈
2 x 150 W HIT (320 W Psys)

LED 220 W ≈
1 x 400 W HIE (440 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Highbay luminaires with refractor								**Price Category 21**
INDUSTRIAL HALL mini								
921717.003	D 315, H 356	840	5350	40	134	60	17,7	on/off
921717.003.76	D 315, H 363	840	5350	40	134	60	17,7	DALI
921718.003.1	D 315, H 356	830	9200	80	115	60	19,3	on/off
921718.003	D 315, H 356	840	10100	80	127	60	19,9	on/off
921718.003.76	D 315, H 358	840	10100	80	127	60	19,9	DALI
INDUSTRIAL HALL midi								
921704.003	D 570, H 509	840	11700	85	138	69	12,7	on/off
921704.003.76	D 570, H 509	840	11700	85	138	69	12,7	DALI
921705.003	D 570, H 509	840	16400	120	137	70	14,1	on/off
921705.003.76	D 570, H 509	840	16400	120	137	70	14,1	DALI
921706.003	D 570, H 509	840	21500	165	131	69	15	on/off
921706.003.76	D 570, H 509	840	21500	165	131	69	15	DALI
INDUSTRIAL HALL maxi								
921709.003	D 570, H 521	840	33300	220	152	67	17,4	on/off
921709.003.76	D 570, H 521	840	33300	220	152	67	17,4	DALI
921709.003.2.76	D 570, H 521	850	33800	220	154	67	17,4	DALI
INDUSTRIAL HALL HT maxi								
921712.003	L 581, B 570, H 461	840	18600	150	124	67	15,3	on/off



Ceiling and wall mounting bracket

Exchange Brackets for alternative mounting method			Price Category 21
982265.003	L 253, B 90, H 157	INDUSTRIAL HALL mini	
982817.003	L 366, B 127, H 226	INDUSTRIAL HALL midi	
982834.003	L 409, B 127, H 229	INDUSTRIAL HALL maxi	



INDUSTRIAL HALL mini



INDUSTRIAL HALL midi



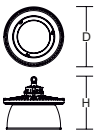
INDUSTRIAL HALL maxi



INDUSTRIAL HALL HT maxi

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Highbay luminaires | INDUSTRIAL HALL





Type of protection: **IP 65**
Protection class: I
Impact protection: IK08, IK07 (HT)

Operating range: -30°C to +50°C
Operating range HT: -10°C to +65°C

Robust housing made of die-cast aluminium with eye ring, powder coated. Vertical cooling ribs ensure constant heat dissipation for optimal thermal management. Reflector made of matt aluminium. Primary light control with high-performance wide-area LED. Diffuser made of clear, non-reflecting, single pane safety glass (toughened glass). Easy to install thanks to 1-point suspension. With power cord (1.5 m). Dimming range 10% to 100%.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Suitable for chain or steel cable suspension (to be provided on site).

Available colour: 3 = black

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Highbay luminaires with reflector								**Price Category 21**
INDUSTRIAL HALL mini								
921715.003	D 248, H 238	840	5150	40	129	93	25,9	on/off
921715.003.76	D 248, H 245	840	5150	40	129	93	25,9	DALI
921716.003.1	D 248, H 238	830	8900	80	112	92	27,8	on/off
921716.003	D 248, H 238	840	9800	80	123	93	28,2	on/off
921716.003.76	D 248, H 240	840	9800	80	123	93	28,2	DALI
INDUSTRIAL HALL midi								
921701.003	D 360, H 318	840	12200	85	144	86	23,7	on/off
921701.003.76	D 360, H 318	840	12200	85	144	86	23,7	DALI
921702.003	D 360, H 318	840	16900	120	141	87	25,1	on/off
921702.003.76	D 360, H 318	840	16900	120	141	87	25,1	DALI
921703.003	D 360, H 328	840	22800	165	139	87	26	on/off
921703.003.76	D 360, H 328	840	22800	165	139	87	26	DALI
INDUSTRIAL HALL maxi								
921708.003	D 405, H 372	840	31000	220	141	85	23,9	on/off
921708.003.76	D 405, H 372	840	31000	220	141	85	23,9	DALI
921708.003.2.76	D 405, H 372	850	31400	220	143	85	23,9	DALI
INDUSTRIAL HALL HT maxi								
921711.003	L 499, B 405, H 312	840	17200	150	115	85	21,8	on/off

Comparison
LED vs. conventional lamps

LED 40 W ≈
1 x 70 W HIT (84 W Psys)

LED 80 / 85 W ≈
1 x 150 W HIT (160 W Psys)

LED 120 / 150 W ≈
2 x 70 W HIT (159 W Psys)

LED 165 W ≈
2 x 150 W HIT (320 W Psys)

LED 220 W ≈
1 x 400 W HIE (440 W Psys)

Exchange Brackets for alternative mounting method			Price Category 21
982265.003	L 253, B 90, H 157	INDUSTRIAL HALL mini	
982817.003	L 366, B 127, H 226	INDUSTRIAL HALL midi	
982834.003	L 409, B 127, H 229	INDUSTRIAL HALL maxi	



Ceiling and wall mounting bracket



INDUSTRIAL HALL mini



INDUSTRIAL HALL midi



INDUSTRIAL HALL maxi



INDUSTRIAL HALL HT maxi

INDUSTRIAL HALL EVO

Everything at a glance



IP65

High type of protection IP 65.

Housing made of special plastic-graphite compound for optimum thermal management.

HACCP

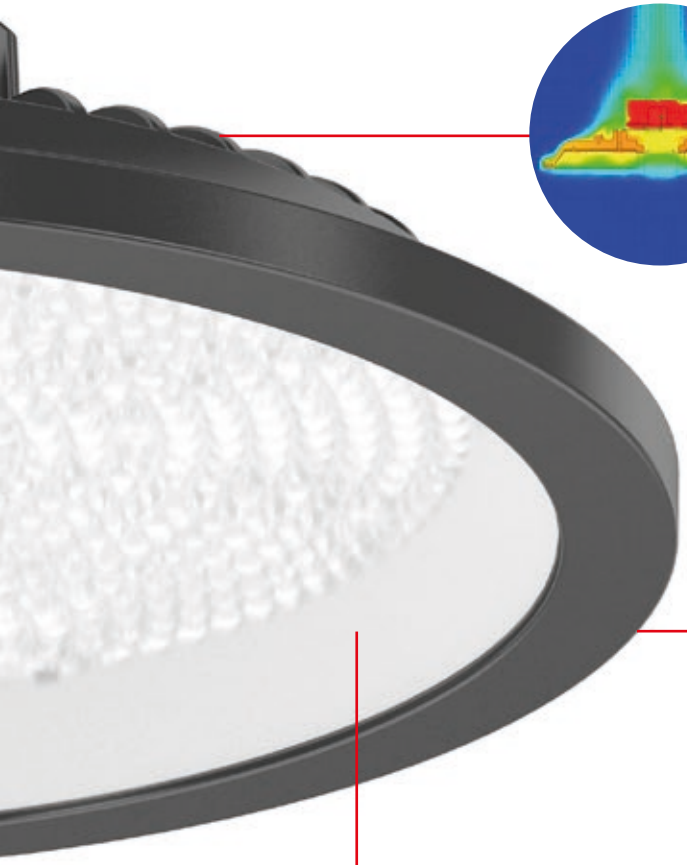
Approved for use in the food and drink industry.

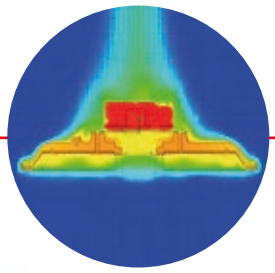


Integrable movement sensor as an accessory available.

Quick and easy adjustment of the most important parameters by remote control.

Easy to install thanks to
1-point suspension.







Luminaires with limited surface temperature
in accordance with DIN EN 60598-2-24
for use in environments in which a deposit of
conductive dust on the luminaire can be expected.



MultiLumen:
3 steps adjustable luminous flux .

Two-component optical system for
glare-free lighting up to UGR ≤ 19.

Highly efficient up to 166 lm/W.



MultiLumen | DALI | D | HACCP | IP65

INDUSTRIAL HALL EVO

Highbay luminaires

ARCHITECTURE

- **Long service life:** Housing made of special plastic-graphite compound for optimum thermal management.
- **Safe:** Luminaire with limited surface temperature in accordance with EN 60598-2-24.
- **Certified:** Qualified for use in the food and drink industry.

LIGHTING DESIGN

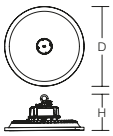
- **Powerful:** Highly efficient up to 166 lm/W.
- **Variable:** MultiLumen - 3-step adjustable luminous flux.
- **Anti-glare:** Two-component optical system for glare-free lighting up to UGR ≤ 19.

INSTALLATION

- **Easy installation:** Easy to install thanks to 1-point suspension.
- **Advantageous:** On/Off: Integrable movement sensor as an accessory available.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Highbay luminaires | INDUSTRIAL HALL EVO





Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Operating range: -30°C to +50°C.

Housing made of special plastic-graphite compound for optimum thermal management. Specially matched 2-component polycarbonate optical system. Maximum efficiency and glare-free lighting up to UGR ≤ 19. Easy to install thanks to 1-point suspension. On/Off: Integrable movement sensor as an accessory available.

⛛ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Suitable for chain or steel cable suspension (to be provided on site).

Available colour: 3 = black

MultiLumen: 3 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	α [°]	UGR	Lighting control
Highbay luminaires								**Price Category 21**
921533.003.76	D 380, H 150	840	18500	112	166	61	19	DALI
921533.003 .Q*	D 380, H 150	840	12200...23200	76...151	161	55	17,4...19,8	on/off

* **MultiLumen:** Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 76 W ≈
1 x 150 W HIT (160 W Psys)

LED 112 W ≈
1 x 250 W HIE (275 W Psys)

LED 151 W ≈
2 x 150 W HIT (320 W Psys)

Accessories | Movement sensor for on/off version
Stand-alone movement sensor for presence-dependent lighting control with built-in daylight sensor. Presence detection using passive IR element for installation heights from 3 to max. 15 m. Detection range: 360° up to 10 m. Operating range: -30°C to +40°C. Quick and easy adjustment of the most important parameters by remote control (order separately: 982697.002).



Movement sensor for on/off version		**Price Category 21**
982681.002	D 55, H 65	

Remote contol			**Price Category 21**
982697.002	L 175, B 56, H 28	Remote control for movement sensor: 982681.002	





The application image shows:
INDUSTRIAL HALL EVO


© Shutterstock





The application image shows:
light control +^{3} Professional

© Werner Huthmacher



573

light control +^{3} Economy Multi DALI
572-573


575

SIDELITE ECO HCL complete package
574-575



577-581

Casambi smart+free
576-581



582

light control +^{3} Professional IoT
582-585



586

Stand-alone controllers
586-591

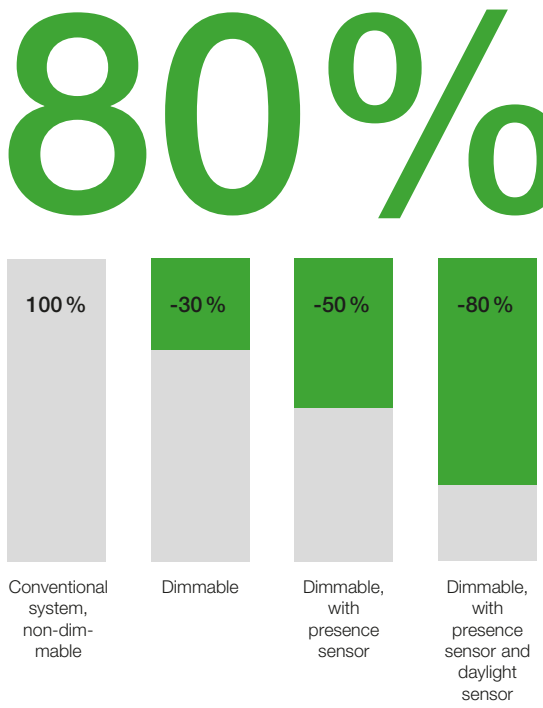


LIGHT MANAGEMENT SYSTEMS

Overview

Modern lighting management ensures a significant increase in energy efficiency, economy and comfort and is an indispensable part of responsible and resource-saving corporate and household management.
RZB Lighting has always considered lighting management as an elementary part of a holistic planning approach and has long been considered a reliable partner in this area as well, offering consistently high quality products and advice.

- Daylight-dependent control
- Movement / presence detection
- Energy-saving
- Reduction of CO_2 emissions
- Timer and calendar functions
- Human Centric Lighting (HCL)
- Extends service life of lighting system



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



HUMAN CENTRIC LIGHTING (HCL)

Feel better, be more efficient.

During evolution humans have developed a complex system of internal timers, the so-called circadian system by the perception of light and dark, cold and warm, as well as by the change of seasons, with daylight being the natural timer for this rhythm.

Only a few years ago scientists discovered in the eye's retina those cells which are not required for seeing, but are setting our internal timer by suppressing or distributing the hormone melatonin. Now chronobiologists, lighting designers and architects have the chance to decisively improve our living conditions by using dynamic light.

Biologically effective light in "tunable white" versions aims to support the hormone control process by simulating the light colour and intensity of the natural course of daylight.

Changing light scenes in the dynamic rhythm of daylight can have an extremely positive influence on wellbeing.

Health
HCL strengthening the biological rhythm of human beings and fostering well-being and good health.

Vitality
HCL creating a stimulating light to increase vitality and quality of life.

Activity
HCL increasing in educational institutions and workplaces the performance and ability of focusing.

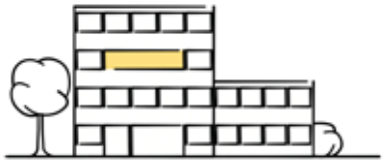
Well-beeing
HCL avoiding sleep disorder, stabilising patients in hospitals and nursing homes.

HCL-compatible products are marked with the following icon:

HCL ready

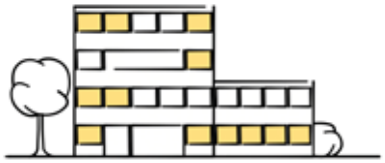
light control +³ Economy Multi DALI

The unbeatable price / performance winner for smaller installations. The system combines simple commissioning via smartphone, low wiring effort and flexible configuration and is therefore ideal for **group offices, conference rooms and classrooms**. Programmable buttons and sensors can also be integrated via DALI connections in order to achieve even greater energy savings. The system has an integrated timer and can therefore be used to set up HCL.



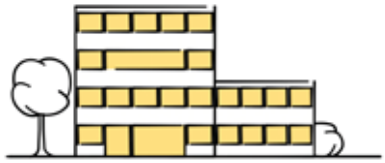
Casambi smart+free

The wireless Bluetooth® light management system for maximum functions and configuration options. **Casambi smart+free solutions are particularly suitable for applications where wireless networking is required.** The modules are also suitable for retrofitting in existing luminaires, as only a power supply is required. The module is already integrated into luminaires with the article number ending .730. With accessories from the extensive Casambi ecosystem (starting on P. 576), the system can be configured according to individual needs. The integration here is very intuitive and can be completed by users without prior knowledge in just a few minutes.



light control +³ Professional IoT

The future of automated light control: RZB's IoT system. Daylight-dependent control and dynamic light control up to circadian daylight simulation in Human Centric Lighting (HCL) are easy to implement. In addition, the control system can be easily networked to make luminaire data available to other systems. Automatic switch-off functions save energy and money. All this can be configured across several rooms and floors.



You still haven't found the right system for you?

Along with the systems shown here, we would also be happy to create a customised control system for your project.
Please contact your designated on-site sales employee (see inside of the cover)
or contact our Planning department via e-mail at **lms@rzb-leuchten.de** or by phone at **+49 951 / 79 09-396.**

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

	light control +³ Economy Multi DALI	**Casambi smart+free**	**light control +³ Professional IoT**
Application	Single room	Wireless networking	Building control
Can be combined with	smart+free		smart+free
Communication	wired	wireless	wired
Infrastructure requirements	L, N, PE, DA, DA (5 wires cable)	L, N, PE (3 wires cable)	L, N, PE, DA, DA (5 wires cable)
Commissioning	by electrician	by electrician	RZB service technician
Configuration	App, Plug & Play	App, Remote access	PC-Tool, Remote access
Operation	Switches, Buttons, App	Switches, Buttons, App	Switches, Buttons, App, Web access
Number of luminaires (1 EB) (Number of luminaires depends on on the number of EB in the luminaire)	32	up to 64 depending on the module	128
Number of sensors / push-button coupler (presence, motion)	4	1 per module	126
Dimmable	✓	✓	✓
Motion / presence detection	✓	✓	✓
Daylight-dependent control	✓	✓	✓
Scenes / Groups	✓	✓	✓
Timer / Calendar functions	✓	✓	✓
HCL / Tunable White	✓	✓	✓
RGB		✓	✓
Network integration		✓	✓
Remote access: programming, operation, maintenance		✓	✓
IoT ready		✓	✓
Predictive maintenance, monitoring, read out luminaire data			✓
Beacon for indoor navigation, tracking, asset management		✓	
Luminaires with the reference number extension	.76 (DALI)	.730 (smart+free)	.76 (DALI)
More information on page	572	576	582



LIGHT CONTROL +^{3} ECONOMY MULTI DALI

Light management

ARCHITECTURE

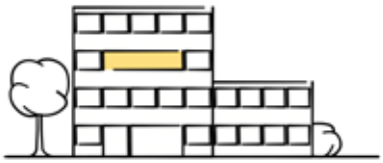
- **Environmentally friendly:** Energy savings up to 80% (compared to manual switching).
- **Sustainable:** Extends service life of lighting system.
- **Versatile:** Lighting control with Bluetooth® app connection.

LIGHTING DESIGN

- **Compatible:** Suitable for daylight- and presence-dependent lighting.
- **Flexible:** Circadian daylight simulation (HCL).
- **Individual:** Different operating modes (on request).
- **Plannable:** Integrated real-time clock.

INSTALLATION

- **Easy installation:** Plug & Play.
- **Powerful:** Up to 32 DALI converters.
- **Suitable for integration:** Up to 4 sensors.
- **Straightforward:** Commissioning via app.



Download on the App Store | GET IT ON Google Play

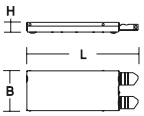
Osram BT Config App (for configuration) download now!

Download on the App Store | GET IT ON Google Play

Osram BT Control App (for operation) download now!

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Light management | light control +³ Economy MULTI DALI





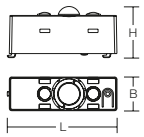
Type of protection: IP 20
Protection class: I

Light management system with DALI interface. Housing: metal, powder-coated; for universal mounting; ready to plug in (GST15 plug included). Control and adjustment of all setting options for the lighting by smartphone. Integrated clock for time-controlled brightness or colour temperature control (HCL). Adaptable HCL characteristic with up to 24 points. Daylight-dependent control and presence-dependent light control. Pushbutton interface for separate operation of brightness and colour temperature. Control of standard white or tunable white light in accordance with DALI device type 8 (DT8). One DALI output channel (broadcast or groupcast). Suitable for up to 32 DALI luminaires. Outputs with electronically reversible overtemperature, short-circuit and overload protection. Integrated DALI bus supply. Length of the DALI control cable up to 300 m. Supports up to 4 DALI sensors (982757.002) and pushbutton couplers (982755.002). Including a light and presence sensor and an installation housing. Other sensors and pushbutton couplers are available as accessories and must be ordered separately. Up to 50 m cable length to button. Scenarios can be called up via pushbutton coupler. Wireless firmware update by Bluetooth® possible.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions [mm]	Interface	Number of luminaires (EB)	Number of sensors that can be	Functions	
light control +³ Economy MULTI DALI						**Price Category 21**
981903.00X.2S2	L 206, B 106, H 30	DALI	32	4	Switchable, Dimmable, Movement / presence sensor, Daylight sensor, Scenes (individual luminaire/ballast addressing), Tunable White, HCL, Real time clock	

Accessories | light control +³ Economy | Professional





Type of protection: IP 20
Protection class: III

DALI-2 certified passive infrared sensor (PIR) to detect movement and brightness. Installation height: 2-5 m. Presence detection range adjustable via integrated shutters between 40° and 90°. Light sensor range: 0-800 lx (measured at the sensor). Direct connection to DALI bus. Power is supplied from the DALI line (no separate power supply needed). Function display with two-colour LED. Housing of non-flammable, halogen-free plastic (polycarbonate).Ceiling installation or ceiling mounting with accessories.

Modular design: Please order recessed or surface-mounted housing separately

Available colours: 2 = white

Light and presence sensor for installation heights of 2-5 m		**Price Category 21**
982757.002	L 48, B 15, H 20	



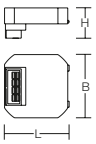


Recessed housing for light and presence sensor		**Price Category 21**
Ceiling cut out DA 68 mm		
01-8613.002	D 80, H 36	



Surface mounted housing for light and presence sensor		**Price Category 21**
08-6093.002	L 65, B 65, H 34	

Accessories | light control +³ Economy | Professional





Type of protection: IP 20
Protection class: III

DALI-2 certified push-button coupler. Direct connection to DALI bus. Power is supplied from the DALI line (no separate power supply needed). 4 potential-free inlets for connection to commercially available switches. Installation in flush-mounted box. Housing: plastic.

Available colours: 2 = white

Push-button coupler for connecting 4 on-site push-buttons		**Price Category 21**
982755.002	L 43, B 43, H 21	

Service | Commissioning
The RZB light control +³ light management system must be commissioned on site by an RZB service technician.

Commissioning	
06566	





HCL COMPLETE PACKAGE

Light management

The HCL (Human Centric Lighting) complete package consisting of **4 recessed lay-in SIDELITE ECO luminaires with tunable white function** (TW 2700 K - 6500 K) and **control including light and presence sensor**, simulates the natural course of daylight in the sun and thus supports activity and well-being. Recessed ceiling sensor included.

The HCL complete package can be flexibly adjusted to your project:

A total of up to 32 luminaires (each 1 x EB DALI®) can be controlled. In addition, up to 4 sensors (type 982757.002) can be connected (with the ceiling installation housing 01-8613.002). (1 sensor is included in the scope of delivery.)

ARCHITECTURE

- **Environmentally friendly:** Energy savings up to 80% (compared to manual switching).
- **Sustainable:** Extends service life of lighting system.
- **Versatile:** Lighting control with Bluetooth® app connection.

LIGHTING DESIGN

- **Compatible:** Suitable for daylight- and presence-dependent lighting.
- **Flexible:** Circadian daylight simulation (HCL).
- **Individual:** Different operating modes (on request).
- **Plannable:** Integrated real-time clock.

INSTALLATION

- **Easy installation:** Plug & Play.
- **Powerful:** Up to 32 DALI converters.
- **Suitable for integration:** Up to 4 sensors.
- **Straightforward:** Commissioning via app.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



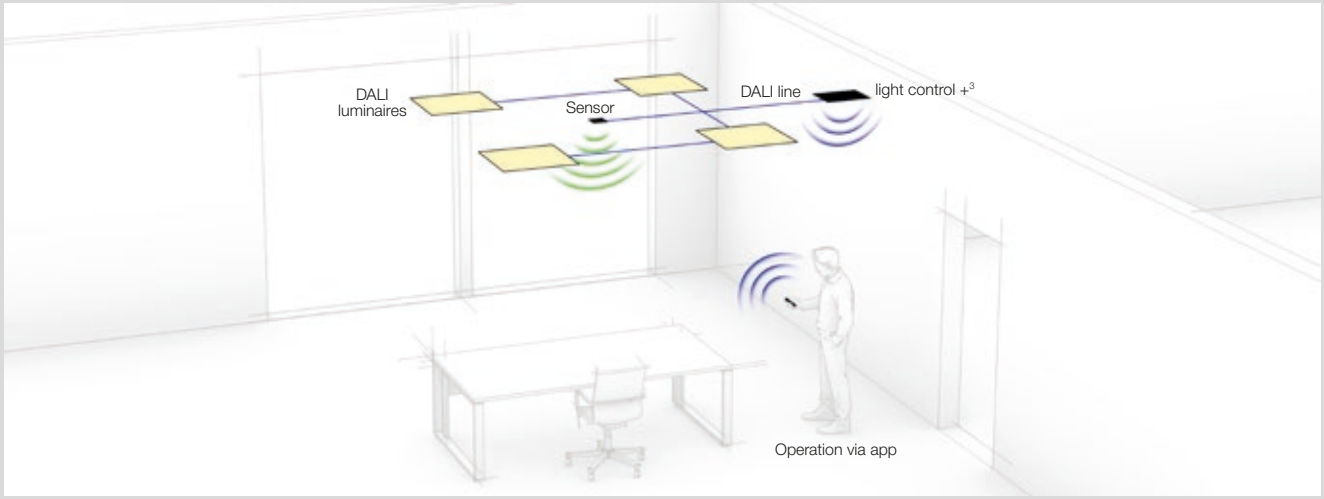
Reference number		
HCL complete package - Module 600		**Price Category 21**
99050.1169	1 x light control +^{3} Economy MULTI DALI 1 x Light and presence sensor incl. installation housing 4 x SIDELITE ECO (312273.002.2.76AB): Lay-in luminaires for grid ceilings (Frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). Lightguide and diffuser made of non-yellowing plastic (PMMA). Lateral light emission thanks to LED. External driver. Tunable white versions, dynamically adjustable from 2700 K to 6500 K.)	

HCL complete package - Module 625		**Price Category 21**
99050.1167	1 x light control +^{3} Economy MULTI DALI 1 x Light and presence sensor incl. installation housing 4 x SIDELITE ECO (312275.002.2.76): Lay-in luminaires for grid ceilings (Frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). Lightguide and diffuser made of non-yellowing plastic (PMMA). Lateral light emission thanks to LED. External driver. Tunable white versions, dynamically adjustable from 2700 K to 6500 K.)	

PROJECT EXAMPLE: HCL in a single office (25 m²) with a grid ceiling

It couldn't be simpler than this! You only require ONE HCL complete package: purchase - install - finished!

1 x HCL complete package - Module 600 or 625

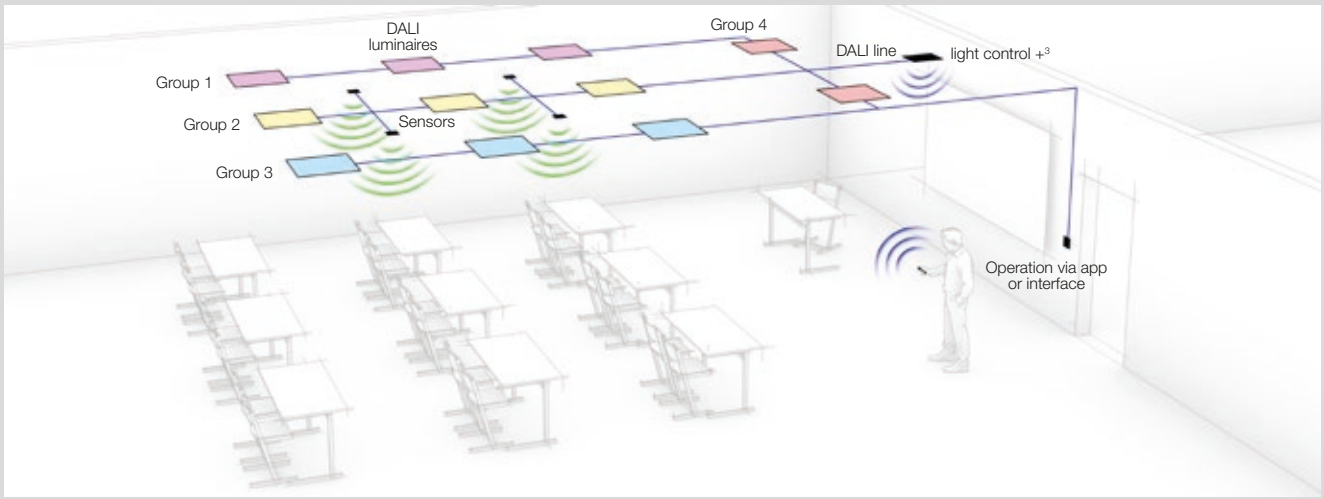


PROJECT EXAMPLE: HCL in a classroom (50 m²) with a grid ceiling

Can be expanded as needed! Simply expand ONE HCL complete package with the desired individual components.

Ideal for renovation work in schools and educational buildings!

1 x HCL complete package - Module 600 or 625
7 x Additional luminaires Sidelite ECO (312273.002.2.76 or 312275.002.2.76)
3 x Additional sensors (982757.002 with 01-8613.002)
1 x Push-button coupler (982755.002)



Bluetooth® communication

Light and motion detection



CASAMBI SMART+FREE

Light management

ARCHITECTURE

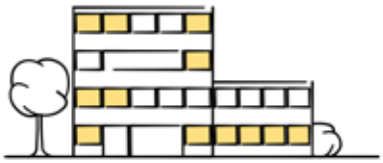
- **Connected:** Light management system for wireless control of lighting by Bluetooth® Low Energy.
- **Design-oriented:** Thanks to its small size it is ideal for luminaire integration.
- **Sustainable:** 3-wire cable sufficient, without additional control wire.

LIGHTING DESIGN

- **Compatible:** Suitable for daylight- and presence-dependent lighting.
- **Flexible:** Circadian daylight simulation (HCL).
- **Individual:** Operation using standard pushbuttons, smartphones and tablet.
- **Powerful:** Tunable white and RGB/RGBW applications can be implemented.

INSTALLATION

- **Easy installation:** Plug & Play.
- **Straightforward:** Commissioning via app.



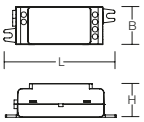
Download on the App Store

GET IT ON Google Play

Casambi App - download now!

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Light management | Casambi smart+free





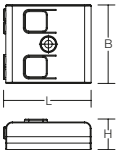
Type of protection: IP 20
Protection class: II

Bluetooth® controllable Casambi module for wireless networking and operating of up to 8 DALI luminaires by broadcast control. The module is suitable for DALI, RGB (DT6), RGBW (DT6) and Tunable White (DT8) luminaires. Profile configuration by the user. Configuration app for Android/iOS available for download free of charge. A wireless netowrk with up to 250 control modules can be set up. Thanks to its small size it is ideal for luminaire integration. Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions [mm]		
DALI-module			**Price Category 21**
982767.002	L 76, B 26, H 23	DALI, RGB (DT6), RGBW (DT6) and Tunable White (DT8)	

Light management | Casambi smart+free





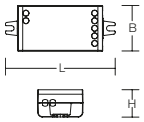
Type of protection: IP 20
Protection class: II

Bluetooth® controllable Casambi module for wireless networking and operating of trailing edge dimmer luminaires. Control possible using Android / iOS devices. Free app available for download. A wireless netowrk with up to 250 control modules can be set up. Thanks to its small size it is ideal for luminaire integration. Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions [mm]		
Trailing edge dimmer			**Price Category 21**
982377.002	L 40, B 36, H 14	1 converter dimmable using conventional trailing edge dimmer can be connected	

Light management | Casambi smart+free





Type of protection: IP 20

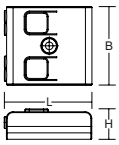
Bluetooth®-controllable, Casambi-enabled 4-channel PWM dimmer for LED loads with constant voltage, e.g. LED strips and LED modules with constant voltage. A 12-24 VDC power supply (not dimmable) is required for the supply. The module can control up to four channels and is therefore suitable for RGBW and TW (Tunable White) applications. The maximum combined output current is 6 A and can be freely divided between 1 to 4 channels. Configuration app for Android/iOS available for download free of charge. Thanks to its small size it is ideal for luminaire integration. Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions [mm]		
4-channel PWM dimmer			**Price Category 21**
982677.002	L 73, B 30, H 18	Up to four channels 12-24 V individually controllable	



Light management | Casambi smart+free



Type of protection: IP 20
Protection class: II

Bluetooth® controllable Casambi-capable DALI controller for wireless networking and operating of DALI-2 input devices (e.g. sensors) or up to 64 DALI drivers by broadcast control. The module requires a suitable external DALI power supply or is supplied by DALI drivers / DALI sensors with integrated DALI power supply.Profile configuration by the user. Configuration app for Android/iOS available for download free of charge. A wireless netowrk with up to 250 control modules can be set up. Thanks to its small size it is ideal for luminaire integration. Housing: plastic.

Available colour: 2 = white

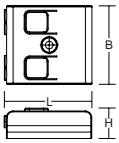
Reference number	Dimensions [mm]		
DALI controller			**Price Category 21**
982618.002	L 40, B 36, H 14		



DALI power supply			**Price Category 21**
982777.002	L 81, B 30, H 15	Power supply for up to 32 devices.	
982744.002	L 175, B 42, H 32	Power supply for up to 64 devices.	



Light management | Casambi smart+free



Type of protection: IP 20
Protection class: II

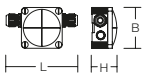
Bluetooth® gateway module for wireless connection of luminaires to a DALI controller. Up to 64 devices per module can be mapped from the wireless network to a DALI controller. Configuration app for Android/iOS available for download free of charge. A DALI power supply is required for operation. A wireless netowrk with up to 250 control modules can be set up. Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions [mm]		
Casambi-DALI gateway			**Price Category 21**
982618.012	L 40, B 36, H 14	Integration into a wired DALI control system.	



Accessories | Casambi smart+free



Type of protection: **IP 66**
Protection class: II

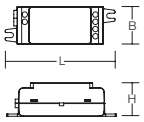
Housing plastic. Installation box including terminals and strain relief.

Available colour: 9 = grey

Reference number	Dimensions [mm]		
Installation box			**Price Category 21**
982390.009	L 85, B 85, H 51	For a Casambi smart+free module 982377.002, 982677.002, 982618.002/012.	
982391.009	L 85, B 85, H 51	For a Casambi smart+free module 982767.002.	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.

Accessories | Casambi smart+free





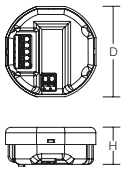
Type of protection: IP 20
Protection class: II

Casambi mart+free Bluetooth® button coupler for the wireless operation of luminaires. Conventional pushbutton can be connected on site. Installation in flush-type boxes.
Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions [mm]		
Push-button coupler			**Price Category 21**
982767.012	L 76, B 26, H 23	1 pushbutton provided by the customer can be connected.	

Accessories | Casambi smart+free





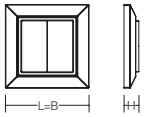
Type of protection: IP 20
Protection class: II

Casambi mart+free Bluetooth® button coupler for the wireless operation of luminaires. Conventional pushbutton can be connected on site. Installation in flush-type boxes.
Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions [mm]		
Push-button coupler			**Price Category 21**
982379.002	D 53, H 21	Up to 4 pushbuttons provided by the customer can be connected.	

Accessories | Casambi smart+free



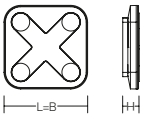


Battery-free, maintenance-free Bluetooth® switch for Casambi smart+free luminaires. The energy for the signal transmission is generated by the button being pressed, which means that no mains voltage or batteries are required. The included frame (Jäger Direkt Opus 55 Inform) can be replaced by switch programs (internal dimensions 55x55 mm) from various manufacturers. Depending on the chosen screen, 2 or 4 buttons can be freely programmed. The colour temperature/dimming level of individual luminaires, groups or scenes can be controlled. The configuration is done directly in the app.

Available colour: 2 = white

Reference number	Dimensions [mm]		
Wireless transmitter: EnOcean®			**Price Category 21**
982619.002	L 81, B 81, H 14	2 or 4 buttons can be freely programmed.	

Accessories | Casambi smart+free





Battery-operated, wireless light switch and remote control system for controlling Casambi smart+free luminaires. Enables direct access to all the important functions of the Casambi smart+free lighting control. The 4 freely programmable buttons can be configured within the app. The luminaires' colour temperature and the dimming level can be adjusted using the two rockers.

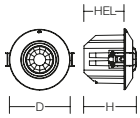
Technical features:
Range: up to 60 metres in the open, battery (included): CR2430 lithium button cell, battery life: 2-5 years, depending on use.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions [mm]		
Wireless transmitter			**Price Category 21**
982620.00X	L 90, B 90, H 12	4 buttons freely programmable, dimming and changing the colour temperature.	



Accessories | Casambi smart+free



Type of protection: IP 20

Casambi smart+free Bluetooth® sensor for wireless control of Casambi smart+free luminaires. Intelligent presence control and daylight sensor. Detection range approx. 8 m with installation height of 3 m. Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions [mm]
Light and presence sensor (recessed) for installation heights up to 4 m	**Price Category 21**
Ceiling cut out DA 74 mm, HEL 56 mm	
982616.002	D 85, H 73

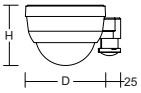


Accessories | Casambi smart+free
Plastic surface-mounted housing for ceiling mounting of a Casambi smart+free sensor.

Surface mounted housing for light and presence sensor	**Price Category 21**
982617.002	D 95, H 65



Accessories | Casambi smart+free



Type of protection: **IP 54**
Protection class: II

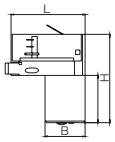
Casambi smart+free Bluetooth® sensor for surface mounting for installation heightsbetween 5 m and 16 m. The sensor has a presence detection range of 30 m x 19 m. Externally adjustable telescopic light sensor for application-based light measurement. Optional expansion of coverage with additional Casambi sensors. Detection range can be restricted by louvre covers. Bluetooth® communication between sensor and other Casambi devices. Configuration and control using Android / iOS device. Free app available for download.

Available colour: 2 = white

Reference number	Dimensions [mm]
Light and presence sensor (surface mounted) for installation heights of 5-16 m	**Price Category 21**
982930.002	D 101, H 76



Accessories | Casambi smart+free



Type of protection: IP 20
Protection class: I

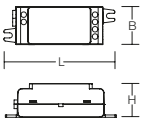
Casambi smart+free Bluetooth® sensor for wireless control of Casambi smart+free luminaires. Intelligent presence control and daylight sensor. Multi adaptor for 3-circuit tracks 230 V. Detection range up to 7 m. Housing: plastic.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions [mm]
Light and presence sensor with multi-adapter for 3-phase 230 V tracks for installation heights from 2.4 - 5 m	**Price Category 21**
701122.00X.19	L 72, B 39, H 86

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.

Accessories | Casambi smart+free



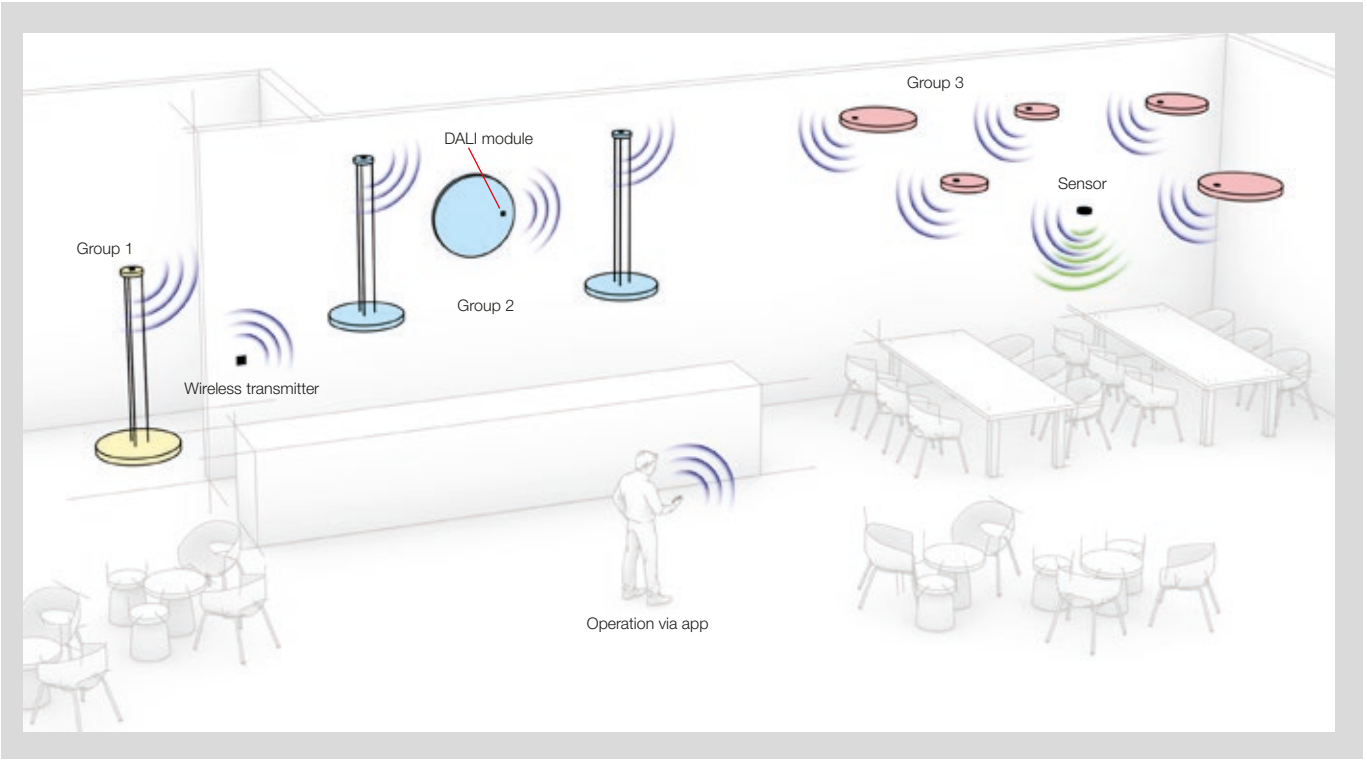


Type of protection: IP 20

The Casambi Time-Backup module stores the time, date, day of the week, sunrise and sunset in a Casambi network for 19 h in the event of a power cut. After a power cut, the Time-Backup module sends the required data to the Casambi network again for synchronisation. The lithium-ion battery is charged via the supplied adapter cable. Configuration app for Android/iOS available for download free of charge. Housing: plastic.

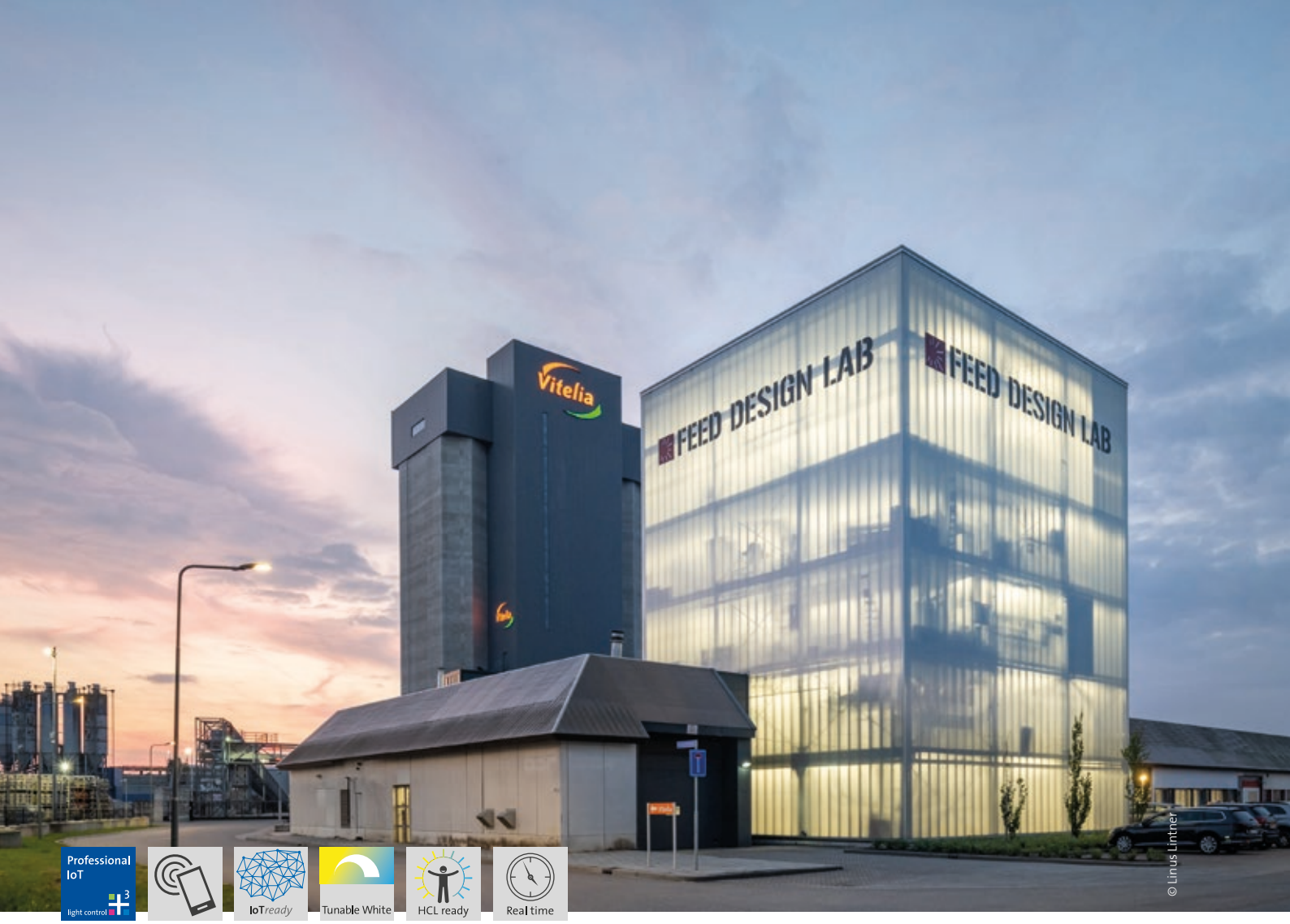
Available colour: White, black

Reference number	Dimensions [mm]	
Memory module in event of power cut		**Price Category 21**
982809.000	L 73, B 30, H 18	



Bluetooth® communication

Light and motion detection



Professional IoT
light control +3
IoTready
Tunable White
HCL ready
Real time

LIGHT CONTROL +^{3} PROFESSIONAL IoT

Light management

ARCHITECTURE

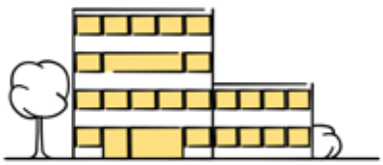
- **Environmentally friendly:** Energy savings up to 80% (compared to manual switching).
- **Sustainable:** Extends service life of lighting system.
- **Versatile:** Several systems can be networked, IoT integration also possible.
- **Versatile:** Smartphone and tablet operation possible (Android and IOS).

LIGHTING DESIGN

- **Plannable:** DALI-2 certified controller.
- **Compatible:** Daylight-dependent and event-driven control with presence function of all groups.
- **Flexible:** Circadian daylight simulation (HCL).
- **Individual:** All connected DALI devices can be individually controlled.
- **Expandable:** Lights can be individually controlled using KNX.

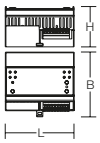
INSTALLATION

- **Easy installation:** DIN rail mounting (6 DU).
- **Powerful:** 2 DALI lines to 64 DALI converters.
- **Suitable for integration:** Up to 126 DALI-2 input devices.
- **Straightforward:** Simple browser-based commissioning interface and professional software available.



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Light management | light control +³ Professional IoT





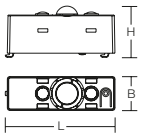
Type of protection: IP 20
Protection class: II

DALI-2 certified controller to control up to 128 DALI luminaires (2 DALI lines of 64 DALI converters) and 126 input devices (sensors and pushbutton couplers). With integrated DALI power supply. Cloud connection/remote data access via integrated IoT gateway (optional). Can be integrated into a KNX building management system via optional KNX-Gateway. Can be set up via LAN or WLAN. For installation on DIN rails (6TE). Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions [mm]	Interface	Number of luminaires (EB)	Number of DALI-2-Input-Devices that can be connected	Functions
DALI control					**Price Category 21**
982754.002	L 106, B 91, H 62	DALI	128	126	Movement / presence sensor, Dimmable, Real time clock, HCL, RGB applications, Switchable, Scenes (individual luminaire/ballast addressing), Daylight sensor, Daylight simulation, Tunable White

Accessories | light control +³ Economy | Professional





Type of protection: IP 20
Protection class: III

DALI-2 certified passive infrared sensor (PIR) to detect movement and brightness. Installation height: 2-5 m. Presence detection range adjustable via integrated shutters between 40° and 90°. Light sensor range: 0-800 lx (measured at the sensor). Direct connection to DALI bus. Power is supplied from the DALI line (no separate power supply needed). Function display with two-colour LED. Housing of non-flammable, halogen-free plastic (polycarbonate). Ceiling installation or ceiling mounting with accessories.

Modular design: Please order recessed or surface-mounted housing separately.

Available colour: 2 = white

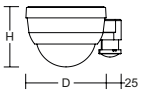
Reference number	Dimensions [mm]	
Light and presence sensor for installation heights of 2-5 m		**Price Category 21**
982757.002	L 48, B 15, H 20	



Recessed housing for light and presence sensor		**Price Category 21**
Ceiling cut out DA 68 mm		
01-8613.002	D 80, H 36	

Surface mounted housing for light and presence sensor		**Price Category 21**
08-6093.002	L 65, B 65, H 34	

Accessories | light control +³ Professional





Type of protection: **IP 54**
Protection class: II

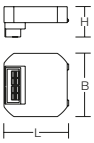
DALI-2 certified passive infrared sensor (PIR) to detect movement and brightness. Installation height: 5-16 m. The sensor has a presence detection range of 30 m x 19 m. Externally adjustable telescopic light sensor for application-based light measurement. Power is supplied from the DALI line (no separate power supply needed). Housing of non-flammable, halogen-free plastic (polycarbonate).

Available colour: 2 = white

Reference number	Dimensions [mm]	
Light and presence sensor for installation heights of 5-16 m.		**Price Category 21**
982813.002	D 101, H 76	



Accessories | light control +³ Economy | Professional



Type of protection: IP 20
Protection class: III

DALI-2 certified push-button coupler. Direct connection to DALI bus. Power is supplied from the DALI line (no separate power supply needed). 4 potential-free inlets for connection to commercially available switches. Installation in flush-mounted box. Housing: plastic.

Available colour: 2 = white

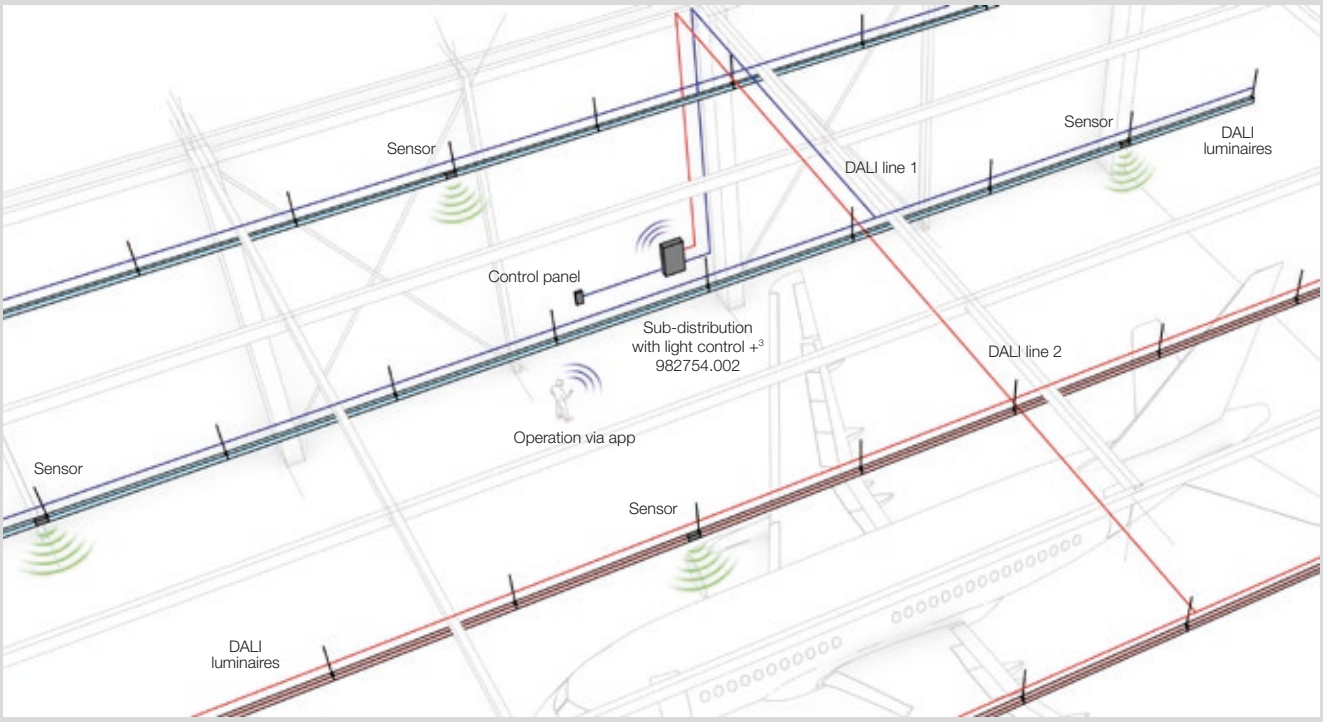
Reference number	Dimensions [mm]	
Push-button coupler for connecting 4 on-site push-buttons		**Price Category 21**
982755.002	L 43, B 43, H 21	

Service | Commissioning
The RZB light control +³ light management system must be commissioned on site by an RZB service technician.

Commissioning
06566

PROJECT EXAMPLE

The lighting is connected to the light control +³ Professional IoT control system on 2 DALI lines. Via the PC tool, the luminaires and sensors can be grouped together and different scenes can be called up
via the control panel or app.



Bluetooth® communication

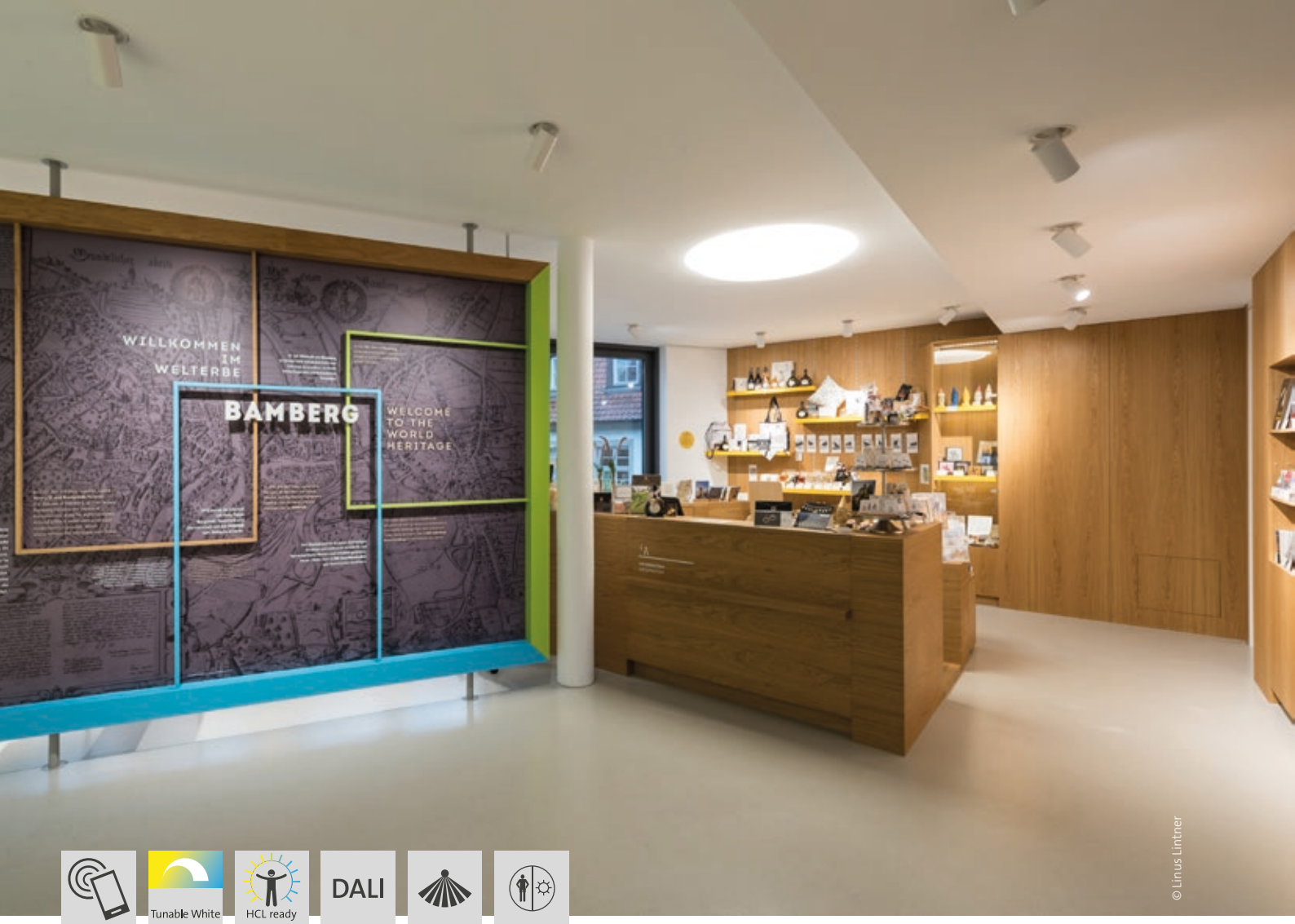
Light and motion detection

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.



© Linus Lintner

The application image shows:
light control +³ Professional IoT



Tunable White HCL ready DALI

© Linus Lintner

STAND-ALONE CONTROLLERS

Light management

ARCHITECTURE

- **Environmentally friendly:** Energy savings up to 80% (compared to manual switching).
- **Sustainable:** Extends service life of lighting system.

LIGHTING DESIGN

- **Plannable:** Controllers for operating DALI luminaires.
- **Individual:** Room-dependent lighting control.

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Easy to set up.

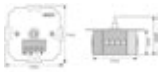
Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

	DALI rotary potentiometers	DALI push dimmer	DALI broadcast controller with BLE	light control +[3] Economy MULTI DALI
				
Connecting the luminaires/sensors	wired	wired	wired	wired
Configuration	Plug & Play	Plug & Play	Plug & Play App	Plug & Play App
Addressing	DALI Broadcast*	DALI Broadcast*	DALI Groupcast**	DALI Groupcast**
Max. number of luminaires (1 EB)	25/50 (parallel operation)	25/50 (parallel operation)	32	32
Parallel operation	max. 4	max. 4	no	no
Number of sensors	-	-	max. 4	max. 4
Switchable	✓	✓	✓	✓
Dimmable	✓	✓	✓	✓
Motion / presence detection			✓	✓
Daylight control			✓	✓
Tunable White	✓		✓	✓
Grouping			✓	✓
HCL				✓
Real time clock				✓
More information on page	588	588	589	590

* **DALI Broadcast:** All connected luminaires are switched and dimmed together. Individual control of the luminaires is not possible.
** **DALI Groupcast:** Connected luminaires can be divided into several groups. Groups can be switched and dimmed separately.



Light management | DALI rotary potentiometers



Type of protection: IP 20
Protection class: II

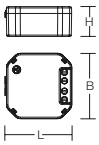
Housing: plastic. Digital potentiometer for switching and dimming up to 25 DALI converters (max. 50 DALI converters when operating two DALI rotary potentiometers in parallel, can be extended to max. 4 control points). Automatic synchronisation between the control points. Integrated DALI power supply which supplies the necessary DALI control current (active mode) or power supply directly from the DALI control line (passive mode). Broadcast mode (no DALI addressing required). Max. length of the DALI control cable 300 m (with 1.5 mm²). White rotary switch with white cover included in the scope of delivery. Installation in flush-mounted box.

Available colour: 2 = white

Reference number	Dimensions [mm]	
DALI rotary potentiometers		**Price Category 21**
982384.002	L 80, B 80, H 50	



Light management | DALI push dimmer



Type of protection: IP 20
Protection class: II

For use with push buttons.

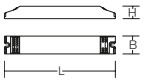
Housing: plastic. Digital push dimmer for switching and dimming up to 25 DALI converters (max. 50 DALI converters when operating two DALI push dimmers in parallel, can be extended to max. 4 control points). Automatic synchronisation between the control points. Integrated DALI power supply which supplies the necessary DALI control current (active mode) or power supply directly from the DALI control line (passive mode). Broadcast mode (no DALI addressing required). Max. length of the DALI control cable 300 m (with 1.5 mm²). Installation in flush-mounted box.

Available colour: 2 = white

Reference number	Dimensions [mm]	
DALI push dimmer		**Price Category 21**
982252.002	L 48, B 48, H 22	



Light management | DALI-Repeater



Type of protection: IP 20
Protection class: II

Housing: plastic. DALI controller and signal amplifier. Connection of up to 64 DALI EB in broadcast operation. Touch Dim control. Enables DALI line to be extended in 300 m increments (for 1.5 mm²). Suitable for installation in the luminaire or external operation with recess housing (09-6448.000).

Available colour: 2 = white

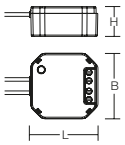
Reference number	Dimensions [mm]	
Repeater-DALI		**Price Category 21**
982254.002	L 189, B 30, H 21	



Installation housing for DALI-Repeater		**Price Category 21**
09-6448.000	L 261, B 71, H 27	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.

Light management | DALI-broadcast controller with BLE





Type of protection: IP 20
Protection class: II

Light control with App connection via Bluetooth® to control standard white or Tunable White light with DALI Device Type 8 (DT8). A DALI broadcast output channel for up to 32 DALI electronic ballasts. Integrated Bluetooth® low energy interface for setting and Operation of the lighting. Intuitive manual dimming and switching. Basic functionality also without configuration thanks to the presetting. Integrated DALI supply. Easy creation of scenes in the App. Operation via standard pushbuttons. Outputs with electronically reversible Overtemperature, short circuit, overload protection. Adaptation of all setting options via Smartphone. Free App for iOS and Android available. Cable length of DALI control cable: up to 300 m at 1.5 mm^2. Cable length up to push button: up to 50 m. Casing plastic.

Available colour: light grey

Reference number	Dimensions [mm]	
DALI-broadcast controller with BLE		**Price Category 21**
982480.009	L 49, B 48, H 22	

Download on the App Store | GET IT ON Google Play

Osram BT Config App (for configuration) download now!

Download on the App Store | GET IT ON Google Play

Osram BT Control App (for operation) download now!

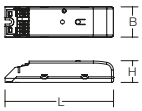


© Linus Lintner

The application image shows: LESS IS MORE BEAMLINE



Light management | light control +³ Economy MULTI DALI



Type of protection: IP 20

Compact light control unit with DALI interface. Housing: plastic, white. Control and adjustment of all setting options for the lighting by smartphone. Integrated clock for time-controlled brightness or colour temperature control (HCL). Adaptable HCL characteristic with up to 24 points. Daylight-dependent control and presence-dependent light control. Pushbutton interface for separate operation of brightness and colour temperature. Control of standard white or tunable white light in accordance with DALI device type 8 (DT8). One DALI output channel (broadcast or groupcast). Suitable for up to 32 DALI luminaires. Outputs with electronically reversible overtemperature, short-circuit and overload protection. Integrated DALI bus supply. Length of the DALI control cable up to 300 m. Supports up to 4 DALI sensors (982757.002) and pushbutton couplers (982755.002). Sensor and pushbutton coupler are available as accessories and must be ordered separately. Up to 50 m cable length to button. Scenarios can be called up via pushbutton coupler. Wireless firmware update by Bluetooth® possible. Suitable for installation in luminaires or external operation with strain relief. Strain relief (982845.0077) must be ordered separately.

Available colour: 2 = white

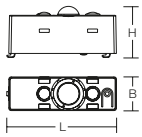
Reference number	Dimensions [mm]	
light control +³ Economy MULTI DALI		**Price Category 21**
982709.002	L 108, B 30, H 21	



Strain relief kit		**Price Category 11**
982845.0077	L 118, B 30, H 21	



Accessories | light control +³ Economy | Professional



Type of protection: IP 20
Protection class: III

DALI-2 certified passive infrared sensor (PIR) to detect movement and brightness. Installation height: 2-5 m. Presence detection range adjustable via integrated shutters between 40° and 90°. Light sensor range: 0-800 lx (measured at the sensor). Direct connection to DALI bus. Power is supplied from the DALI line (no separate power supply needed). Function display with two-colour LED. Housing of non-flammable, halogen-free plastic (polycarbonate). Ceiling installation or ceiling mounting with accessories.

Modular design: Please order recessed or surface-mounted housing separately.

Available colour: 2 = white

Reference number	Dimensions [mm]	
Light and presence sensor for installation heights of 2-5 m		**Price Category 21**
982757.002	L 48, B 15, H 20	



Recessed housing for light and presence sensor		**Price Category 21**
Ceiling cut out DA 68 mm		
01-8613.002	D 80, H 36	

Surface mounted housing for light and presence sensor		**Price Category 21**
08-6093.002	L 65, B 65, H 34	

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Download on the App Store — GET IT ON Google Play

Osram BT Control App (for operation) download now!

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.

Accessories | light control +³ Economy | Professional



Type of protection: IP 20
Protection class: III

DALI-2 certified push-button coupler. Direct connection to DALI bus. Power is supplied from the DALI line (no separate power supply needed). 4 potential-free inlets for connection to commercially available switches. Installation in flush-mounted box. Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions [mm]	
Push-button coupler for connecting 4 on-site push-buttons		**Price Category 21**
982755.002	L 43, B 43, H 21	

Service | Commissioning
The RZB light control +³ light management system must be commissioned on site by an RZB service technician.

Commissioning
06566



© Lukas Murer

The application image shows:
BASIC BALL



© Linus Lintner



Overview - Luminaires with built-in sensors



Daylight sensor

A daylight sensor measures the incidence of light on a luminaire in order to switch it on and off depending on the brightness. Short light pulses (e.g. from car headlights) are filtered out to avoid repeated switching on and off within a short time. Daylight sensores are used exclusively in outdoor luminaires and are installed separately in each luminaire.



The Ultimate Ultra-flat House Number Luminaire | CADERO | FLAT SLIM round | FLAT SLIM round | FLAT SLIM disc | FLAT SLIM disc

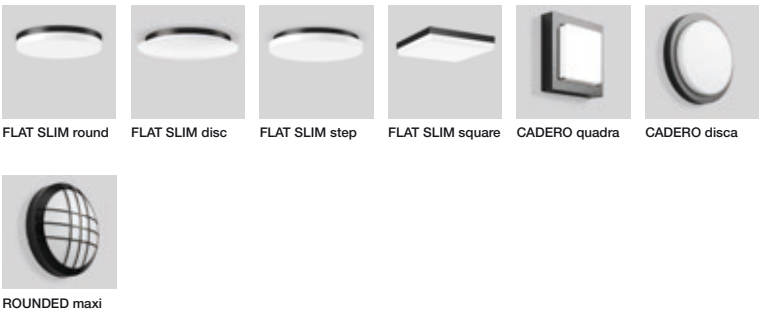
FLAT SLIM step | FLAT SLIM step | ROUNDED | ALU-LUX OVAL | MEGA TOWER F | MEGA TOWER R

MEGA CONE | MEGA LATERNE R | MEGA LATERNE F | MEGA TUBE | MEGA GÜRTELLINSE



Stand-alone sensors

Stand-alone sensors are used to control unit a single luminaire. Since no external control is needed, the luminaire functions autonomously and requires a power supply only. Depending on the luminaire type, stand-alone devices can detect movement and brightness and are adjustable to a certain degree (delay time, brightness thresholds). Stand-alone sensors do not allow clustering of luminaires. Each luminaire with a stand-alone sensor works autonomously.



FLAT SLIM round | FLAT SLIM disc | FLAT SLIM step | FLAT SLIM square | CADERO quadra | CADERO disca

ROUNDED maxi



Master-slave systems

The luminaire with sensor (master) controls several other luminaires without sensor (slave). Depending on the system, several master luminaires can also be operated together. Master-slave systems are mainly used in stairwells and corridors. They can be used for corridor functions, guided light („running light“) and similar functions. Depending on the luminaire type, master luminaires can detect movement and brightness and can be adjusted to a certain degree (delay time, brightness thresholds).

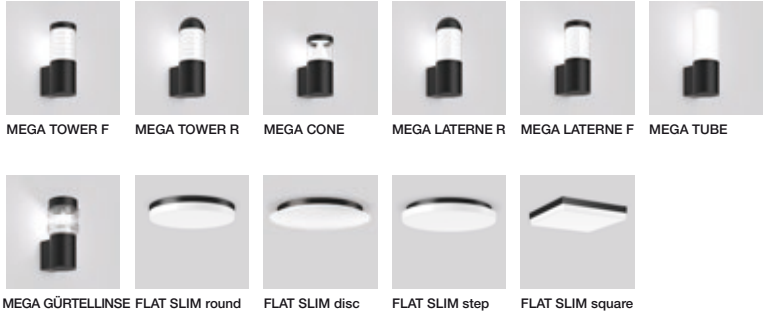


FLAT SLIM round | FLAT SLIM disc | FLAT SLIM step | FLAT SLIM square



Mesh sensors

Mesh sensors create a wireless connection between each other. This allows for flexible configuration via smartphone or tablet. The sensors (and luminaires connected to them) can be grouped as desired and the delay times and thresholds can be set individually. Just as with the master-slave systems, corridor functions, running lights, etc. can be set. Contrary to to the previously mentioned systems, these, however, do not have to be connected by wire.



MEGA TOWER F | MEGA TOWER R | MEGA CONE | MEGA LATERNE R | MEGA LATERNE F | MEGA TUBE

MEGA GÜRTELLINSE | FLAT SLIM round | FLAT SLIM disc | FLAT SLIM step | FLAT SLIM square

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

	Daylight sensor	Stand-alone sensors	Master-slave systems	Mesh sensors
				
				
Application	House number lighting Outdoor lighting	Facade Roofing	Corridor lighting Staircase	Staircase Outdoor lighting
Communication	stand-alone	stand-alone	wired	wireless
Infrastructure requirements	L, N, PE (3 wires cable)	L, N, PE (3 wires cable)	L, L‘, N, PE (5 wires cable)	L, N, PE (3 wires cable)
Commissioning	by electrician	by electrician, App	by electrician	by electrician, App
Configuration	pre-configured	push-button, remote control	pre-configured, dip switch	App
Dimmability	switchable (on/off)	switchable /dimmable via sensor	switchable /dimmable via sensor	switchable /dimmable via sensor
Switchable	✓	✓	✓	✓
Dimmable		✓	✓	✓ (DALI)
Movement/presence detection		✓	✓	✓
Brightness threshold adjustable		✓	✓	✓
Daylight-dependent control		✓	✓ (luminaire-dependent*)	✓
Basic light		✓	✓	✓ (DALI)
Corridor function			✓ (luminaire-dependent*)	✓
Grouping			✓ (luminaire-dependent*)	✓
Further luminaires possible			✓	✓
Further sensors possible			✓	✓
SoftDim				✓ (DALI)

* For more information, see the operating instructions at www.rzb-lighting.com under the download area of the respective item.

Overview - Outdoor dimming functions

StepDIM

The StepDIM mode (Bi-Power mode) enables to switch between two power levels, „normal“ operation and „half-night“ operation, by means of an additionally switched phase. The light levels can be flexibly pre-programmed at the factory. A later adjustment can be realised by RZB Service.



AstroDIM

AstroDIM offers a multi-stage night setback based on an internal time actuator that is oriented to the switch-on and switch-off times. No external control infrastructure is required, the luminaires are pre-configured at the factory and operate autonomously after installation. When ordering, please specify the desired times and dimming levels for switch-on/switch-off and night setback. Changes to the settings can only be made by qualified staff.



DALI

DALI luminaires are controlled centrally via the DALI control lines. Luminaires can be combined in groups or controlled individually. Further functions depend on the DALI control used. You will find an overview on page 571.



Zhaga / NEMA

Equipping a luminaire with a socket according to Zhaga or NEMA standards allows the connection of sensors and light management systems (e.g. third-party systems such as Signify Interact City, Philips City Touch or eSave) without affecting the IP protection factor of the luminaire. The corresponding modules are attached without tools via bayonet lock (also retrofitted) and can be replaced at any time without opening the luminaire. If sensor technology and light management are to be used together, several sockets are also possible on one luminaire.



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

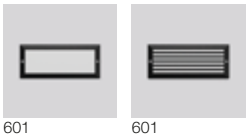
	StepDIM	AstroDIM	DALI	Zhaga / NEMA
Application	Public lighting / existing (half-night switching)	Parking spaces Streets	Streets Parking spaces Squares	Public lighting Streets Parking spaces
Communication	wired	stand-alone	wired	wireless
Can be combined with				
Infrastructure requirements	L1, L2, N (5 wires cable)	L, N (3 wires cable)	L, N, DA, DA (5 wires cable)	L, N (3 wires cable)
Commissioning	by electrician, RZB service technician	by electrician, RZB service technician	RZB service technician	RZB service technician
Configuration	pre-configured	pre-configured	control-dependent	control-dependent
Number of luminaires (1 EB) / control system	luminaire-dependent*	1	Up to 64 per DALI line	limited by the light management system used
Number of sensors			50	limited by the light management system used
Luminaire control	relais	stand-alone	switch, button, App	App, web access
Flexibility to control of different light points			✓	✓
Integration into existing installation	✓	✓	✓	✓
Energy saving through dimming	✓	✓	✓	✓
Autonomous dimming		✓		✓
Use of the existing Bi-Power approach with KVGs (half-night switching)	✓			
Bidirectional communication in lighting management systems			✓	✓
Motion / presence detection			✓	✓
Daylight detection			✓	✓
Scenes/groups			✓	✓
Timer/calendar functions			✓	✓
Network integration			✓	✓
Remote maintenance			✓	✓
IoT ready			✓	✓
Predictive maintenance, monitoring, reading luminaire data			✓	✓
Integration of additional sensors (CO_2, temperature, gas...)				✓
Interface to building management			✓	✓

* For more information, see the operating instructions at www.rzb-lighting.com under the download area of the respective item.



The application image shows:
BRICK EVO

© studio Lippmann



601 601

BRICK STEPS

600-601



603 603 603

BRICK EVO

602-603



DALI IP66 IK10

BRICK® STEPS

Recessed wall and step luminaires

ARCHITECTURE

- **Versatile:** Recessed wall/stairway luminaires.
- **Long service life:** Cover frame or louvre cover choice of stainless steel or powder-coated die-cast aluminium.
- **Robust:** Cover made of shock-resistant plastic (polycarbonate), opal.
- **Standard:** Seawater resistant coating.

LIGHTING DESIGN

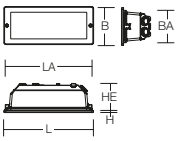
- **Advantageous:** Selection of various luminous flux levels to prevent any glare. Choice of light colours.
- **Applicable:** For lighting stairs, corridors and paths, as well as for marking danger points and traffic areas with low ambient brightness.

INSTALLATION

- **Straightforward:** Housing of die-cast aluminium, suitable for direct installation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

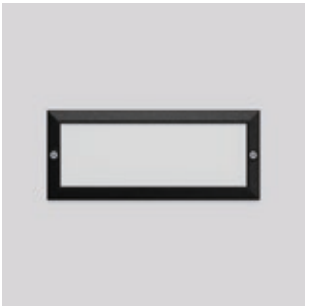
Recessed wall and step luminaires | BRICK STEPS



Type of protection: **IP 66**
Protection class: I
Impact protection: IK08

Housing: die-cast aluminium, powder-coated. Frame: die-cast aluminium, powder-coated or stainless steel. Shock resistant plastic (polycarbonate) cover, opal. Driver integrated. With second cable entry for loop through. **Recommended accessory: recessed support.**

Available colours (X): 0 = stainless steel, 2 = white, 31 = anthracite

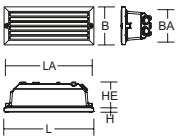


Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [lm/W]	Lighting control
Recessed wall and step luminaires						**Price Category 12**
Frame: die-cast aluminium - Cut out LA 228 x BA 85 mm, HE 70 mm						
641306.00X	L 236, B 100, H 5	830	200	6	34	on/off
641306.00X.76	L 236, B 100, H 5	830	200	6	34	DALI
641306.00X.1	L 236, B 100, H 5	840	200	6	34	on/off
641306.00X.1.76	L 236, B 100, H 5	840	200	6	34	DALI
Frame: stainless steel - Cut out LA 228 x BA 85 mm, HE 70 mm						
641307.000	L 236, B 100, H 5	830	200	6	34	on/off
641307.000.76	L 236, B 100, H 5	830	200	6	34	DALI
641307.000.1	L 236, B 100, H 5	840	200	6	34	on/off
641307.000.1.76	L 236, B 100, H 5	840	200	6	34	DALI

Comparison
LED vs. conventional lamps

LED 6 W ≈
1 x 40 W A60 (40 W Psys)
1 x 8 W T16 (11 W Psys)

Recessed wall and step luminaires | BRICK STEPS



Type of protection: **IP 66**
Protection class: I
Impact protection: IK10

Housing: die-cast aluminium, powder-coated. Lamella frame: die-cast aluminium, powder-coated or stainless steel. Shock resistant plastic (polycarbonate) cover, opal. Driver integrated. With second cable entry for loop through. **Recommended accessory: recessed support.**

Available colours (X): 0 = stainless steel, 2 = white, 31 = anthracite



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [lm/W]	Lighting control
Recessed wall and step luminaires, anti-glare						**Price Category 12**
Lamella frame: die-cast aluminium - Cut out LA 228 x BA 85 mm, HE 70 mm						
641304.00X	L 236, B 100, H 5	830	75	6	13	on/off
641304.00X.76	L 236, B 100, H 5	830	75	6	13	DALI
641304.00X.1	L 236, B 100, H 5	840	80	6	14	on/off
641304.00X.1.76	L 236, B 100, H 5	840	80	6	14	DALI
Lamella frame: stainless steel - Cut out LA 228 x BA 85 mm, HE 70 mm						
641305.000	L 236, B 100, H 5	830	110	6	19	on/off
641305.000.76	L 236, B 100, H 5	830	110	6	19	DALI
641305.000.1	L 236, B 100, H 5	840	110	6	19	on/off
641305.000.1.76	L 236, B 100, H 5	840	110	6	19	DALI

Comparison
LED vs. conventional lamps

LED 6 W ≈
1 x 25 W A60 (25 W Psys)
1 x 4 W T16 (6 W Psys)

Accessories | Installation housing
Recessed housing for cavity walls made of sendzimir galvanised steel, cutout LA 232 x BA 92 mm, max. wall thickness 20 mm.

Set for installation in cavity walls		**Price Category 12**
90-2780	L 230, B 98, HE 76	



Recessed mounting box for concrete or brick walls		**Price Category 12**
64253.000	L 235, B 95, H 76, HE 76	




Frame: stainless steel

Frame: die-cast aluminium


Frame: die-cast aluminium


Lamella frame: stainless steel


Lamella frame: die-cast aluminium


Lamella frame: die-cast aluminium



IP65 IK09

BRICK® EVO

Wall luminaires

ARCHITECTURE

- **Advantageous:** Choice of three models for ideal adaption to the surroundings.
- **Robust:** Sturdy housing of non-corrosive pressure die-cast aluminium for outdoor application, powder coated with stainless steel screws and toughened glass diffuser.

LIGHTING DESIGN

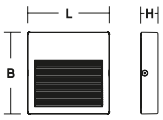
- **Anti-glare:** Asymmetrical downward light distribution for wide dispersion and uniform illumination.
- **Applicable:** Flat surface-mounted LED fitting for illumination of wall related areas such as stairs, ramps or corridors.

INSTALLATION

- **Straightforward:** Only 24 mm depth, can be mounted directly over the cable outlet.
- **Easy installation:** Drill hole deviations can be compensated to achieve precise positioning.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | BRICK EVO



Type of protection: **IP 65**
Protection class: I
Impact protection: IK09

Housing made of corrosion-resistant die-cast aluminium, powder-coated. Stainless steel screws. Toughened glass cover. Asymmetrical downward light distribution for wide dispersion and uniform illumination. With compensation for drill hole deviations. Driver integrated. With connecting terminal up to 1 x 3 x 1.5 mm^2, for max. 13 mm diameter mains cable.

Available colours (X): 31 = anthracite, 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
BRICK EVO mini						
581632.00X	L 120, B 120, H 24	830	55	4	14	on/off
581632.00X.1	L 120, B 120, H 24	840	55	4	14	on/off
BRICK EVO midi						
581633.00X	L 200, B 200, H 24	830	190	10	19	on/off
581633.00X.1	L 200, B 200, H 24	840	190	10	19	on/off
BRICK EVO duo						
581634.00X	L 240, B 120, H 24	830	180	10	18	on/off
581634.00X.1	L 240, B 120, H 24	840	180	10	18	on/off

Comparison
LED vs. conventional lamps

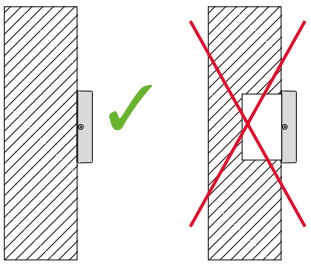
LED 4 W ≈
1 x 10 W QT9 (12 W Psys)

LED 10 W ≈
1 x 20 W QT12 (24 W Psys)


BRICK EVO mini


BRICK EVO midi


BRICK EVO duo


BRICK EVO

The revolutionary surface-mounted luminaire with recessed appearance


© Fotostudio Lippmann

The application image shows:
BRICK EVO

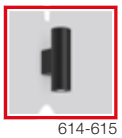


The application image shows:
ZONO

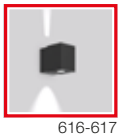
© Shutterstock


612-613

NADELSPOT
Wallscaping
606-610 | 612-613


614-615

CYL
Wallscaping
606-610 | 614-615


616-617

ZONO
Wallscaping
606-610 | 616-617


618-619

TECHNO
Wallscaping
606-610 | 618-619


623


624


625


626

MEGA
620-629


627


628

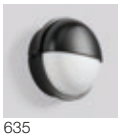

629


631

DESMONDO
630-631


633

ROUNDED
632-633


635

ALU-SUPERIOR
634-635


637

ALU-LUX OVAL
636-637

WALLSCAPING

Comparison



	NADELSPOT | CYL | ZONO | TECHNO
Wall mounting outside the sealed area	✓
Plug & Play thanks to RZB Gravolock® system	✓
Automatic contacting of the luminaire when plugged on	✓
Anti-theft protection	✓
Seawater-resistant coating	✓
Through-wiring	✓
Cover lens can be replaced without tools	✓
Change of beam pattern between up- & downlight	✓
Connection completely without tools	
DALI dimmable	
MultiLumen	
Reflectors can be exchanged without tools	
Smaller buildings 1-2 storeys (e.g. detached house)	✓
Larger buildings (e.g. urban environment, hotel, office buildings)	
Luminous flux	110 - 360 lm



NADELSPOT PRO | CYL PRO | ZONO PRO | TECHNO PRO
✓
✓
✓
✓
✓
✓
✓
✓
✓
✓
✓
✓
✓
✓
250 - 2700 lm

WALLSCAPING

Everything at a glance

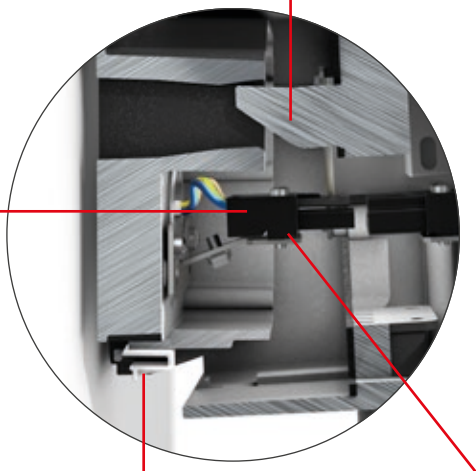


Two cable entries for loop-through.
Generous space for cable placement.

RZB Gravolock® system

Quick and easy installation of the luminaire head, without tools on the mounting base.

Plug & Play



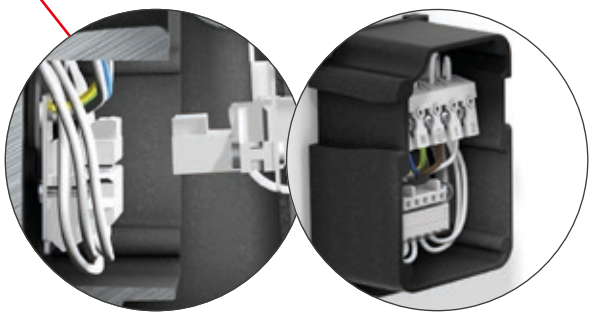
Comfortable installation

A quick-connector between base and head provides safe power supply.

PRO version:

Even more convenient

The optimised Quick-Connector can be connected to the NYM cable without removing the plug.



Safety

A latch prevents from being unintentionally removed later.

Unmistakeable features

The luminaire top and bottom consist of a frameless glass cover made of ceramic coated ESG.

Fixing on the wall

outside the sealed area, drill hole deviations can be compensated.





Housing made of corrosion-resistant pressure die-cast aluminium, marine grade powder coating.

PRO version:

MultiLumen function:
3 steps adjustable luminous flux.

PRO version:

Interchangeable reflector

Radiation characteristics can be adjusted at any time thanks to exchange of reflectors without tools via bayonet.





NADELSPOT | CYL | ZONO | TECHNO

Wall luminaires

ARCHITECTURE

- **Design-oriented:** Classic, timeless and with minimalist design.
- **Versatile:** Four luminaire bodies - one mounting bracket.
- **Safe:** Safety catch for theft protection.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Individual:** Versions with interchangeable reflectors for flexible wall installation.
- **Powerful:** MultiLumen variants - 3 steps adjustable luminous flux.
- **Long service life:** Seawater resistant coating.
- **Innovativ:** The innovative housing concept protects light source and driver reliably against all weather conditions.

INSTALLATION

- **Easy installation:** Fixing and electrical connection is done only at the fixing plate, the luminaire is screwlessly plugged on thereafter and held into position via RZB Gravolock® System.
- **Straightforward:** The standard large cable inlet allows a simple loop-through without an additional connection box.
- **Standard:** Integral membrane valve for pressure compensation and avoidance of condensation.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



© Linus Lintner

The application image shows:
TECHNO PRO



Wall luminaires | NADELSPOT



Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Cover made of ceramic-coated toughened glass with bayonet lock. With membrane valve as a standard to avoid condensed water. Screwless luminaire fixing via RZB Gravolock® System. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Electrical plug and play featuring quick connector. Driver integrated. Cable entry granting two cables for loop-through.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Wall luminaires with light emission on one side							**Price Category 12**
↓ Wide flood							
582078.00X	L 100, B 154, H 131	830	180	3,5	51	70	on/off
Wall luminaires with light emission on two sides							**Price Category 12**
↑ Superspot | ↓ Wide flood							
582079.00X	L 100, B 154, H 131	830	310	6,2	50	4/70	on/off
↑ Wide flood | ↓ Wide flood							
582077.00X	L 100, B 154, H 131	830	360	6,2	58	70/70	on/off



Accessories | Diffuser
Safety glass made from ceramic coated toughened glass, black. With bayonet fixing and sealing ring.

Diffuser			Price Category 11
982768.003	D 100, H 31	Blanking cover.	
982768.013	D 100, H 31	Centre: transparent d64 mm.	
982768.023	D 100, H 31	Centre: satin finish d64 mm.	

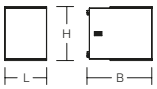


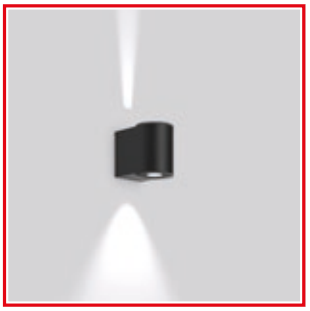
Accessories | Superspot optical lens system.
Safety glass made from ceramic coated toughened glass, black and pressed glass lens Superspot. With bayonet fixing and sealing ring.

Superspot optical lens system			Price Category 11
982768.033	D 100, H 31	Centre: transparent with pressed glass lens Superspot.	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Wall luminaires | NADELSPOT PRO





Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Cover made of ceramic-coated toughened glass. With membrane valve as a standard to avoid condensed water. Spot and Flood designs with rotationally symmetrical reflector. Superspot design with lens, narrow beam. No tools needed for change of reflector and cover thanks to bayonet system. Screwless luminaire fixing via RZB Gravolock® System. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Electrical plug and play featuring quick connector. COB LED with socket for easy replacement. Driver integrated. Cable entry granting two cables for loop-through.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Wall luminaires with light emission on one side							**Price Category 12**
↓ Superspot							
582092.00X.76	L 100, B 154, H 127	830	250	12	21	10°	DALI
↓ Spot							
582091.00X.76	L 100, B 154, H 127	830	1100	12	92	15°	DALI
↓ Flood							
582072.00X.76	L 100, B 154, H 127	830	1150	12	96	35°	DALI
Wall luminaires with light emission on two sides							**Price Category 12**
↑ Superspot | ↓ Superspot							
582090.00X.76	L 100, B 154, H 127	830	520	23	23	10°/10°	DALI
↑ Superspot | ↓ Flood							
582089.00X.76	L 100, B 154, H 127	830	1400	23	61	10°/35°	DALI
↑ Spot | ↓ Spot							
582088.00X.76	L 100, B 154, H 127	830	2200	23	96	15°/15°	DALI
↑ Flood | ↓ Flood							
582071.00X.76	L 100, B 154, H 127	830	2150	23	93	35°/35°	DALI

Accessories | Diffuser
Safety glass made from ceramic coated toughened glass, black. With bayonet fixing and sealing ring.



Diffuser			Price Category 11
982768.003	D 100, H 31	Blanking cover.	
982768.043	D 100, H 31	Centre: transparent d 50 mm. For reflectors, Spot and Flood.	

Accessories | Superspot optical lens system.
Safety glass made from ceramic coated toughened glass, black and pressed glass lens Superspot. With bayonet fixing and sealing ring.



Superspot optical lens system			Price Category 11
982768.033	D 100, H 31	Centre: transparent with pressed glass lens Superspot.	

Accessories | Reflector
Plastic (PC) reflector, aluminium coated, highly polished.



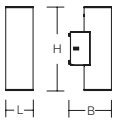
Reflector			Price Category 12
982846.004	D 50, H 30	Reflector spot	
982846.014	D 50, H 30	Reflector flood	

You would like to change the radiation characteristics of the luminaire afterwards? Gladly.

NADELSPOT PRO		I have		
		Superspot 10°	Spot 15°	Flood 35°
I would like to	Superspot 10°	–	982768.033	982768.033
	Spot 15°	982846.004 & 982768.043	–	982846.004
	Flood 35°	982846.014 & 982768.043	982846.014	–



Wall luminaires | CYL



Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Cover made of ceramic-coated toughened glass with bayonet lock. With membrane valve as a standard to avoid condensed water. Screwless luminaire fixing via RZB Gravolock® System. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Electrical plug and play featuring quick connector. Driver integrated. Cable entry granting two cables for loop-through.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Wall luminaires with light emission on two sides							**Price Category 12**
↑ Superspot | ↓ Wide flood							
582084.00X	L 100, B 154, H 311	830	310	6,2	50	4/68	on/off
↑ Wide flood | ↓ Wide flood							
582083.00X	L 100, B 154, H 311	830	360	6,2	58	68/68	on/off



Accessories | Diffuser
Safety glass made from ceramic coated toughened glass, black. With bayonet fixing and sealing ring.

Diffuser			Price Category 11
982768.003	D 100, H 31	Blanking cover.	
982768.013	D 100, H 31	Centre: transparent d64 mm.	
982768.023	D 100, H 31	Centre: satin finish d64 mm.	

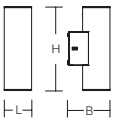


Accessories | Superspot optical lens system.
Safety glass made from ceramic coated toughened glass, black and pressed glass lens Superspot. With bayonet fixing and sealing ring.

Superspot optical lens system			Price Category 11
982768.033	D 100, H 31	Centre: transparent with pressed glass lens Superspot.	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Wall luminaires | CYL PRO





Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Cover made of ceramic-coated toughened glass. With membrane valve as a standard to avoid condensed water. Spot and Flood designs with rotationally symmetrical reflector. Superspot design with lens, narrow beam. No tools needed for change of reflector and cover thanks to bayonet system. Screwless luminaire fixing via RZB Gravolock® System. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Electrical plug and play featuring quick connector. COB LED with socket for easy replacement. Driver integrated. Cable entry granting two cables for loop-through.

MultiLumen: 3 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Wall luminaires with light emission on two sides							**Price Category 12**
↑ Superspot | ↓ Superspot							
582100.00X.76	L 100, B 154, H 307	830	400...800	13...28	32	10°/10°	DALI
↑ Superspot | ↓ Flood							
582099.00X.76	L 100, B 154, H 307	830	900...1750	13...28	69	10°/35°	DALI
↑ Spot | ↓ Spot							
582098.00X.76	L 100, B 154, H 307	830	1350...2700	13...28	104	15°/15°	DALI
↑ Flood | ↓ Flood							
582075.00X.76	L 100, B 154, H 307	830	1350...2700	13...28	104	35°/35°	DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Accessories | Diffuser

Safety glass made from ceramic coated toughened glass, black. With bayonet fixing and sealing ring.



Diffuser			Price Category 11
982768.003	D 100, H 31	Blanking cover.	
982768.043	D 100, H 31	Centre: transparent d 50 mm. For reflectors, Spot and Flood.	

Accessories | Superspot optical lens system.

Safety glass made from ceramic coated toughened glass, black and pressed glass lens Superspot. With bayonet fixing and sealing ring.



Superspot optical lens system			Price Category 11
982768.033	D 100, H 31	Centre: transparent with pressed glass lens Superspot.	

Accessories | Reflector

Plastic (PC) reflector, aluminium coated, highly polished.



Reflector			Price Category 12
982846.004	D 50, H 30	Reflector spot	
982846.014	D 50, H 30	Reflector flood	

You would like to change the radiation characteristics of the luminaire afterwards? Gladly.

CYL PRO		I have		
		Superspot 10°	Spot 15°	Flood 35°
I would like to	Superspot 10°	–	982768.033	982768.033
	Spot 15°	982846.004 & 982768.043	–	982846.004
	Flood 35°	982846.014 & 982768.043	982846.014	–



Wall luminaires | ZONO



Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Cover made of ceramic-coated toughened glass with bayonet lock. With membrane valve as a standard to avoid condensed water. Screwless luminaire fixing via RZB Gravolock® System. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Electrical plug and play featuring quick connector. Driver integrated. Cable entry granting two cables for loop-through.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Wall luminaires with light emission on one side							**Price Category 12**
↓ Wide flood							
582081.00X	L 100, B 154, H 131	830	110	3,5	31	70	on/off
Wall luminaires with light emission on two sides							**Price Category 12**
↑ Superspot | ↓ Wide flood							
582082.00X	L 100, B 154, H 131	830	220	6,2	35	4/70	on/off
↑ Wide flood | ↓ Wide flood							
582080.00X	L 100, B 154, H 131	830	220	6,2	35	70/70	on/off



Accessories | Diffuser
Safety glass made from ceramic coated toughened glass, black. With bayonet fixing and sealing ring.

Diffuser			**Price Category 11**
982769.003	L 100, B 100, H 31	Blanking cover.	
982769.013	L 100, B 100, H 31	Centre: transparent d64 mm.	
982769.023	L 100, B 100, H 31	Centre: satin finish d64 mm.	
982769.043	L 100, B 100, H 31	Centre: transparent 45x45 mm.	

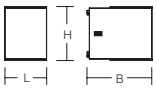


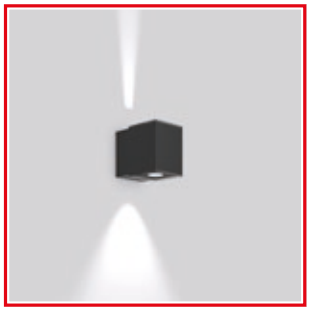
Accessories | Superspot optical lens system
Safety glass made from ceramic coated toughened glass, black and pressed glass lens Superspot. With bayonet fixing and sealing ring.

Superspot optical lens system			**Price Category 11**
982769.033	L 100, B 100, H 31	Centre: transparent with pressed glass lens Superspot.	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Wall luminaires | ZONO PRO





Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Cover made of ceramic-coated toughened glass. With membrane valve as a standard to avoid condensed water. Spot and Flood designs with rotationally symmetrical reflector. Superspot design with lens, narrow beam. No tools needed for change of reflector and cover thanks to bayonet system. Screwless luminaire fixing via RZB Gravolock® System. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Electrical plug and play featuring quick connector. COB LED with socket for easy replacement. Driver integrated. Cable entry granting two cables for loop-through.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Wall luminaires with light emission on one side							**Price Category 12**
↓ Superspot							
582097.00X.76	L 100, B 154, H 127	830	250	12	21	10°	DALI
↓ Spot							
582096.00X.76	L 100, B 154, H 127	830	1100	12	92	15°	DALI
↓ Flood							
582074.00X.76	L 100, B 154, H 127	830	1150	12	96	35°	DALI
Wall luminaires with light emission on two sides							**Price Category 12**
↑ Superspot | ↓ Superspot							
582095.00X.76	L 100, B 154, H 127	830	520	23	23	10°/10°	DALI
↑ Superspot | ↓ Flood							
582094.00X.76	L 100, B 154, H 127	830	1400	23	61	10°/35°	DALI
↑ Spot | ↓ Spot							
582093.00X.76	L 100, B 154, H 127	830	2200	23	96	15°/15°	DALI
↑ Flood | ↓ Flood							
582073.00X.76	L 100, B 154, H 127	830	2150	23	93	35°/35°	DALI

Accessories | Diffuser
Safety glass made from ceramic coated toughened glass, black. With bayonet fixing and sealing ring.



Diffuser			Price Category 11
982769.003	L 100, B 100, H 31	Blanking cover.	
982769.053	L 100, B 100, H 31	Centre: transparent d 50 mm. For reflectors, Spot and Flood.	

Accessories | Superspot optical lens system
Safety glass made from ceramic coated toughened glass, black and pressed glass lens Superspot. With bayonet fixing and sealing ring.



Superspot optical lens system			Price Category 11
982769.033	L 100, B 100, H 31	Centre: transparent with pressed glass lens Superspot.	

Accessories | Reflector
Plastic (PC) reflector, aluminium coated, highly polished.



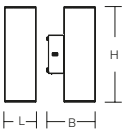
Reflector			Price Category 12
982846.004	D 50, H 30	Reflector spot	
982846.014	D 50, H 30	Reflector flood	

You would like to change the radiation characteristics of the luminaire afterwards? Gladly.

ZONO PRO		I have		
		Superspot 10°	**Spot 15°**	**Flood 35°**
I would like to	**Superspot 10°**	–	982769.033	982769.033
	Spot 15°	982846.004 & 982769.053	–	982846.004
	Flood 35°	982846.014 & 982769.053	982846.014	–



Wall luminaires | TECHNO



Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Cover made of ceramic-coated toughened glass with bayonet lock. With membrane valve as a standard to avoid condensed water. Screwless luminaire fixing via RZB Gravolock® System. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Electrical plug and play featuring quick connector. Driver integrated. Cable entry granting two cables for loop-through.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Wall luminaires with light emission on two sides							**Price Category 12**
↑ Superspot | ↓ Wide flood							
582086.00X	L 100, B 154, H 311	830	220	6,2	35	4/70	on/off
↑ Wide flood | ↓ Wide flood							
582085.00X	L 100, B 154, H 311	830	220	6,2	35	70/70	on/off



Accessories | Diffuser
Safety glass made from ceramic coated toughened glass, black. With bayonet fixing and sealing ring.

Diffuser		**Price Category 11**
982769.003	L 100, B 100, H 31	Blanking cover.
982769.013	L 100, B 100, H 31	Centre: transparent d64 mm.
982769.023	L 100, B 100, H 31	Centre: satin finish d64 mm.
982769.043	L 100, B 100, H 31	Centre: transparent 45x45 mm.

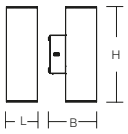


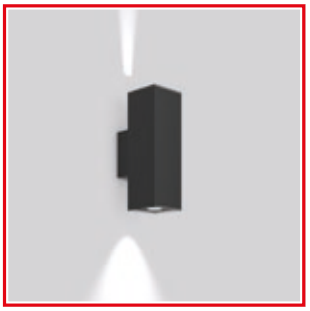
Accessories | Superspot optical lens system.
Safety glass made from ceramic coated toughened glass, black and pressed glass lens Superspot. With bayonet fixing and sealing ring.

Superspot optical lens system		**Price Category 11**
982769.033	L 100, B 100, H 31	Centre: transparent with pressed glass lens Superspot.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Wall luminaires | TECHNO PRO





Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Cover made of ceramic-coated toughened glass. With membrane valve as a standard to avoid condensed water. Spot and Flood designs with rotationally symmetrical reflector. Superspot design with lens, narrow beam. No tools needed for change of reflector and cover thanks to bayonet system. Screwless luminaire fixing via RZB Gravolock® System. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Electrical plug and play featuring quick connector. COB LED with socket for easy replacement. Driver integrated. Cable entry granting two cables for loop-through.

MultiLumen: 3 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Wall luminaires with light emission on two sides							**Price Category 12**
↑ Superspot | ↓ Superspot							
582103.00X.76	L 100, B 154, H 307	830	400...800	13...28	32	10°/10°	DALI
↑ Superspot | ↓ Flood							
582102.00X.76	L 100, B 154, H 307	830	900...1750	13...28	69	10°/35°	DALI
↑ Spot | ↓ Spot							
582101.00X.76	L 100, B 154, H 307	830	1350...2700	13...28	104	15°/15°	DALI
↑ Flood | ↓ Flood							
582076.00X.76	L 100, B 154, H 307	830	1350...2700	13...28	104	35°/35°	DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Accessories | Diffuser

Safety glass made from ceramic coated toughened glass, black. With bayonet fixing and sealing ring.



Diffuser			Price Category 11
982769.003	L 100, B 100, H 31	Blanking cover.	
982769.053	L 100, B 100, H 31	Centre: transparent d 50 mm. For reflectors, Spot and Flood.	

Accessories | Superspot optical lens system.

Safety glass made from ceramic coated toughened glass, black and pressed glass lens Superspot. With bayonet fixing and sealing ring.



Superspot optical lens system			Price Category 11
982769.033	L 100, B 100, H 31	Centre: transparent with pressed glass lens Superspot.	

Accessories | Reflector

Plastic (PC) reflector, aluminium coated, highly polished.



Reflector			Price Category 12
982846.004	D 50, H 30	Reflector spot	
982846.014	D 50, H 30	Reflector flood	

You would like to change the radiation characteristics of the luminaire afterwards? Gladly.

TECHNO PRO		I have		
		Superspot 10°	Spot 15°	Flood 35°
I would like to	Superspot 10°	–	982769.033	982769.033
	Spot 15°	982846.004 & 982769.053	–	982846.004
	Flood 35°	982846.014 & 982769.053	982846.014	–

MEGA

Everything at a glance



Two cable entries for loop-through.
Generous space for cable placement.

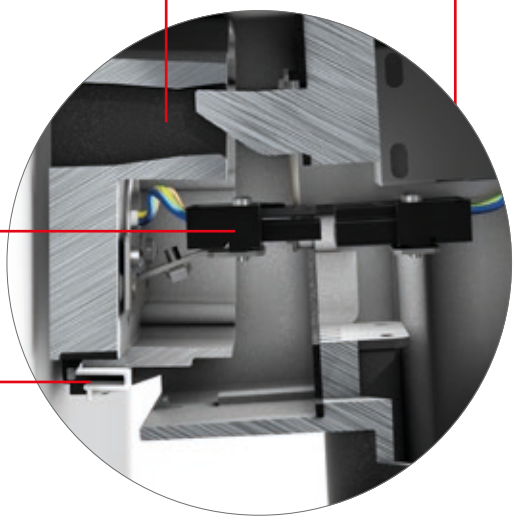
Fixing on the wall
outside the gasketed area,
drill hole deviations can be compensated.



RZB Gravolock® system
Quick and easy installation of the luminaire head, without tools on the mounting base.

Plug & Play

Comfortable installation
A quick-connector between base and head provides safe power supply.



Safety
A latch prevents from being unintentionally removed later.



Housing made of corrosion-resistant pressure die-cast aluminium, seawater resistant powder-coated.

Unmistakeable features

The luminaire bottom consist of a frameless glass cover made of ceramic coated ESG.

IP65

High ingress protection rating: IP 65.

Versatile

Optionally with motion detector, twilight switch or additional light emission downwards (switchable separately)



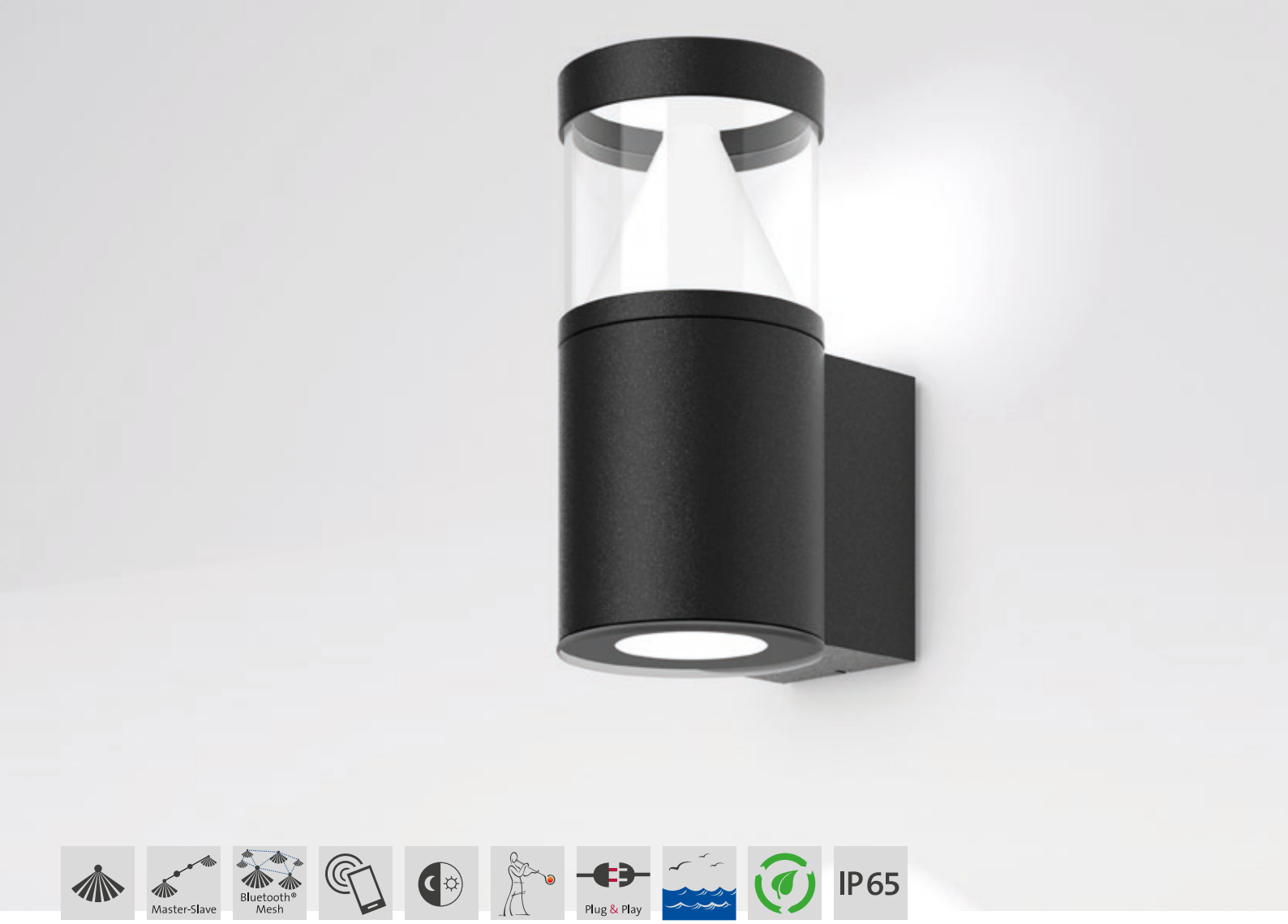
Diffuser: mouth-blown opal glass, satin finish or mouth-blown luminaire glass, clear, drum lens shape.

HF motion detector with **Bluetooth® interfaces** for switching and networking from individual luminaires up to complex light installations.

Mesh sensors create a wireless connection between each other. This allows for flexible configuration via smartphone or tablet.



Seven luminaire heads - one mounting base.





MEGA

Wall luminaires

ARCHITECTURE

- **Standard:** Membrane valve to prevent condensation.
- **Protected:** Seawater resistant coating.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Homogenous:** The high quality LED optics provide balanced brightness while minimising energy consumption.
- **Long service life:** High type of protection: IP 65.
- **Versatile:** Versions with movement sensor, daylight sensor or additional downward light emission.

INSTALLATION

- **Easy installation:** Screwless luminaire fixing via RZB Gravolock® System.
- **Straightforward:** The standard large cable inlet allows a simple loop-through without an additional connection box.
- **Advantageous:** Installation could not be easier thanks to Plug & Play.



Further luminaires of this series, see:
Outdoor lighting | Bollards

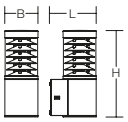
Download on the App Store

GET IT ON Google Play

MICAS Autolight App - download now!

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | MEGA TOWER F





Type of protection: **IP 65**
Protection class: I
Impact protection: IK04

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Luminaire head made of corrosion-resistant pressure die-cast aluminium, powder-coated, with transparent cylinder (glass) and translucent anti-glare louvres. Bottom cover single-pane, printed toughened safety glass. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Screwless luminaire fixing via RZB Gravolock® System. With membrane valve as a standard to avoid condensed water. Electrical plug and play featuring quick connector. Cable entry granting two cables for loop-through. Mains connection 2 x 3 x 2.5 mm² (with additional light emission downwards 2 x 5 x 2.5 mm²).

Available colours (X): 31 = anthracite, 4 = silver

Movement sensor:

- HF detector 5.8 GHz
- Holding time: 5 sec. - 60 min., adjustable in 13 steps
- Detection angle 120°
- Range: up to 10 m.
- Speed detection: 0.3-3 m/s (1-10 km/h)
- Sensitivity: 0–100%, adjustable in 10 steps.
- Daylight sensor 1-350 lx
- Factory setting: sensitivity 70%, hold time 30 seconds, daylight threshold value ∞.
- Functions adjustable via MICAS Autolight app on tablet or smartphone
- Master-master via Bluetooth® mesh and master-slave wired

Daylight sensor:

Light-interference pulses of less than 5 seconds are suppressed. This prevents the luminaire from being switched on and off in case of brief incidences of light (e.g. passing vehicles with headlights).

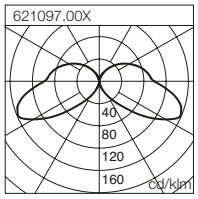
- Switch-on threshold approx. 5-10 lx
- Switch-off threshold approx. 30-40 lx

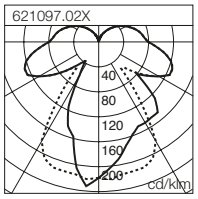
Comparison
LED vs. conventional lamps

LED 10 / 14 W ≈
1 x 100 W A60 (100 W Psys)
1 x 77 W QA60 (77 W Psys)



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
621097.00X	L 160, B 115, H 303	830	600	10	60	on/off
621097.00X.1	L 160, B 115, H 303	840	620	10	62	on/off
Wall luminaires with additional light emission downwards (switchable separately)						**Price Category 12**
621097.02X	L 160, B 115, H 303	830	750	14	54	on/off
621097.02X.1	L 160, B 115, H 303	840	780	14	56	on/off
Wall luminaires with movement sensor						**Price Category 12**
621097.00X.19	L 160, B 115, H 303	830	600	10	60	on/off
621097.00X.1.19	L 160, B 115, H 303	840	620	10	62	on/off
Wall luminaires with daylight sensor						**Price Category 12**
621097.00X.25	L 160, B 115, H 303	830	600	10	60	on/off
621097.00X.1.25	L 160, B 115, H 303	840	620	10	62	on/off





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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

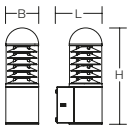


Comparison
LED vs. conventional lamps

LED 10 / 14 W ≈
1 x 100 W A60 (100 W Psys)
1 x 77 W QA60 (77 W Psys)



Wall luminaires | MEGA TOWER R



Type of protection: **IP 65**
Protection class: I
Impact protection: IK04

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Luminaire head made of corrosion-resistant pressure die-cast aluminium, powder-coated, with transparent cylinder (glass) and translucent anti-glare louvres. Bottom cover single-pane, printed toughened safety glass. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Screwless luminaire fixing via RZB Gravolock® System. With membrane valve as a standard to avoid condensed water. Electrical plug and play featuring quick connector. Cable entry granting two cables for loop-through. Mains connection 2 x 3 x 2.5 mm^2 (with additional light emission downwards 2 x 5 x 2.5 mm^2).

Available colours (X): 31 = anthracite, 4 = silver

Movement sensor:

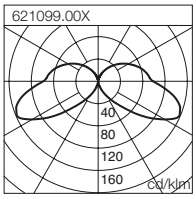
- HF detector 5.8 GHz
- Holding time: 5 sec. - 60 min., adjustable in 13 steps
- Detection angle 120°
- Range: up to 10 m.
- Speed detection: 0.3-3 m/s (1-10 km/h)
- Sensitivity: 0–100%, adjustable in 10 steps.
- Daylight sensor 1-350 lx
- Factory setting: sensitivity 70%, hold time 30 seconds, daylight threshold value ∞.
- Functions adjustable via MICAS Autolight app on tablet or smartphone
- Master-master via Bluetooth® mesh and master-slave wired

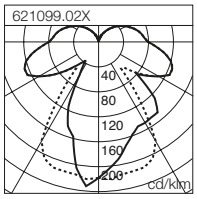
Daylight sensor:

Light-interference pulses of less than 5 seconds are suppressed. This prevents the luminaire from being switched on and off in case of brief incidences of light (e.g. passing vehicles with headlights).

- Switch-on threshold approx. 5-10 lx
- Switch-off threshold approx. 30-40 lx

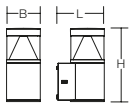
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
621099.00X	L 160, B 115, H 338	830	600	10	60	on/off
621099.00X.1	L 160, B 115, H 338	840	620	10	62	on/off
Wall luminaires with additional light emission downwards (switchable separately)						**Price Category 12**
621099.02X	L 160, B 115, H 338	830	750	14	54	on/off
621099.02X.1	L 160, B 115, H 338	840	780	14	56	on/off
Wall luminaires with movement sensor						**Price Category 12**
621099.00X.19	L 160, B 115, H 338	830	600	10	60	on/off
621099.00X.1.19	L 160, B 115, H 338	840	620	10	62	on/off
Wall luminaires with daylight sensor						**Price Category 12**
621099.00X.25	L 160, B 115, H 338	830	600	10	60	on/off
621099.00X.1.25	L 160, B 115, H 338	840	620	10	62	on/off





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# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Wall luminaires | MEGA CONE





Type of protection: **IP 65**
Protection class: I
Impact protection: IK04

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Luminaire head made of corrosion-resistant pressure die-cast aluminium, powder-coated, with clear glass cylinder and conical reflector. Bottom cover single-pane, printed toughened safety glass. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Screwless luminaire fixing via RZB Gravolock® System. With membrane valve as a standard to avoid condensed water. Electrical plug and play featuring quick connector. Cable entry granting two cables for loop-through. Mains connection 2 x 3 x 2.5 mm² (with additional light emission downwards 2 x 5 x 2.5 mm², for movement sensor and daylight sensor 2 x 4 x 2.5 mm²).

Available colours (X): 31 = anthracite, 4 = silver

Movement sensor:

- HF detector 5.8 GHz
- Holding time: 5 sec. - 60 min., adjustable in 13 steps
- Detection angle 120°
- Range: up to 10 m.
- Speed detection: 0.3-3 m/s (1-10 km/h)
- Sensitivity: 0–100%, adjustable in 10 steps.
- Daylight sensor 1-350 lx
- Factory setting: sensitivity 70%, hold time 30 seconds, daylight threshold value ∞.
- Functions adjustable via MICAS Autolight app on tablet or smartphone
- Master-master via Bluetooth® mesh and master-slave wired

Daylight sensor:

Light-interference pulses of less than 5 seconds are suppressed. This prevents the luminaire from being switched on and off in case of brief incidences of light (e.g. passing vehicles with headlights).

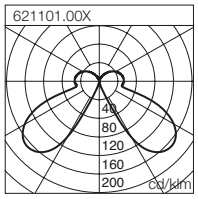
- Switch-on threshold approx. 5-10 lx
- Switch-off threshold approx. 30-40 lx

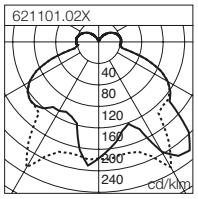
Comparison
LED vs. conventional lamps

LED 10 / 14 W ≈
1 x 100 W A60 (100 W Psys)
1 x 77 W QA60 (77 W Psys)



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
621101.00X	L 160, B 115, H 249	830	600	10	60	on/off
621101.00X.1	L 160, B 115, H 249	840	630	10	63	on/off
Wall luminaires with additional light emission downwards (switchable separately)						**Price Category 12**
621101.02X	L 160, B 115, H 249	830	750	14	54	on/off
621101.02X.1	L 160, B 115, H 249	840	790	14	56	on/off
Wall luminaires with movement sensor						**Price Category 12**
621101.00X.19	L 160, B 115, H 249	830	600	10	60	on/off
621101.00X.1.19	L 160, B 115, H 249	840	630	10	63	on/off
Wall luminaires with daylight sensor						**Price Category 12**
621101.00X.25	L 160, B 115, H 249	830	600	10	60	on/off
621101.00X.1.25	L 160, B 115, H 249	840	630	10	63	on/off





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For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



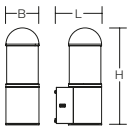


Comparison
LED vs. conventional lamps

LED 10 / 14 W ≈
1 x 100 W A60 (100 W Psys)
1 x 77 W QA60 (77 W Psys)



Wall luminaires | MEGA LATERNE R



Type of protection: **IP 65**
Protection class: I
Impact protection: IK04

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Luminaire head made of die cast aluminium, powder-coated, with opal cylinder (glass). Bottom cover single-pane, printed toughened safety glass. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Screwless luminaire fixing via RZB Gravolock® System. With membrane valve as a standard to avoid condensed water. Electrical plug and play featuring quick connector. Cable entry granting two cables for loop-through. Mains connection 2 x 3 x 2.5 mm² (with additional light emission downwards 2 x 5 x 2.5 mm², for movement sensor and daylight sensor 2 x 4 x 2.5 mm²).

Available colours (X): 31 = anthracite, 4 = silver

Movement sensor:

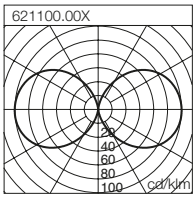
- HF detector 5.8 GHz
- Holding time: 5 sec. - 60 min., adjustable in 13 steps
- Detection angle 120°
- Range: up to 10 m.
- Speed detection: 0.3-3 m/s (1-10 km/h)
- Sensitivity: 0–100%, adjustable in 10 steps.
- Daylight sensor 1-350 lx
- Factory setting: sensitivity 70%, hold time 30 seconds, daylight threshold value ∞.
- Functions adjustable via MICAS Autolight app on tablet or smartphone
- Master-master via Bluetooth® mesh and master-slave wired

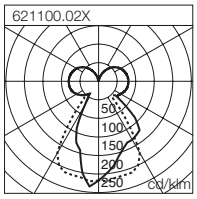
Daylight sensor:

Light-interference pulses of less than 5 seconds are suppressed. This prevents the luminaire from being switched on and off in case of brief incidences of light (e.g. passing vehicles with headlights).

- Switch-on threshold approx. 5-10 lx
- Switch-off threshold approx. 30-40 lx

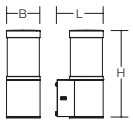
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
621100.00X	L 160, B 115, H 338	830	460	10	46	on/off
621100.00X.1	L 160, B 115, H 338	840	480	10	48	on/off
Wall luminaires with additional light emission downwards (switchable separately)						**Price Category 12**
621100.02X	L 160, B 115, H 338	830	610	14	44	on/off
621100.02X.1	L 160, B 115, H 338	840	640	14	46	on/off
Wall luminaires with movement sensor						**Price Category 12**
621100.00X.19	L 160, B 115, H 338	830	460	10	46	on/off
621100.00X.1.19	L 160, B 115, H 338	840	480	10	48	on/off
Wall luminaires with daylight sensor						**Price Category 12**
621100.00X.25	L 160, B 115, H 338	830	460	10	46	on/off
621100.00X.1.25	L 160, B 115, H 338	840	480	10	48	on/off





Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Wall luminaires | MEGA LATERNE F





Type of protection: **IP 65**
Protection class: I
Impact protection: IK04

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Luminaire head made of die cast aluminium, powder-coated, with opal cylinder (glass). Bottom cover single-pane, printed toughened safety glass. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Screwless luminaire fixing via RZB Gravolock® System. With membrane valve as a standard to avoid condensed water. Electrical plug and play featuring quick connector. Cable entry granting two cables for loop-through. Mains connection 2 x 3 x 2.5 mm² (with additional light emission downwards 2 x 5 x 2.5 mm², for movement sensor and daylight sensor 2 x 4 x 2.5 mm²).

Available colours (X): 31 = anthracite, 4 = silver

Movement sensor:

- HF detector 5.8 GHz
- Holding time: 5 sec. - 60 min., adjustable in 13 steps
- Detection angle 120°
- Range: up to 10 m.
- Speed detection: 0.3-3 m/s (1-10 km/h)
- Sensitivity: 0–100%, adjustable in 10 steps.
- Daylight sensor 1-350 lx
- Factory setting: sensitivity 70%, hold time 30 seconds, daylight threshold value ∞.
- Functions adjustable via MICAS Autolight app on tablet or smartphone
- Master-master via Bluetooth® mesh and master-slave wired

Daylight sensor:

Light-interference pulses of less than 5 seconds are suppressed. This prevents the luminaire from being switched on and off in case of brief incidences of light (e.g. passing vehicles with headlights).

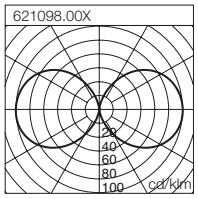
- Switch-on threshold approx. 5-10 lx
- Switch-off threshold approx. 30-40 lx

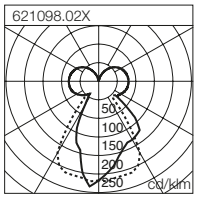
Comparison
LED vs. conventional lamps

LED 10 / 14 W ≈
1 x 100 W A60 (100 W Psys)
1 x 77 W QA60 (77 W Psys)



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
621098.00X	L 160, B 115, H 303	830	460	10	46	on/off
621098.00X.1	L 160, B 115, H 303	840	480	10	48	on/off
Wall luminaires with additional light emission downwards (switchable separately)						**Price Category 12**
621098.02X	L 160, B 115, H 303	830	610	14	44	on/off
621098.02X.1	L 160, B 115, H 303	840	640	14	46	on/off
Wall luminaires with movement sensor						**Price Category 12**
621098.00X.19	L 160, B 115, H 303	830	460	10	46	on/off
621098.00X.1.19	L 160, B 115, H 303	840	480	10	48	on/off
Wall luminaires with daylight sensor						**Price Category 12**
621098.00X.25	L 160, B 115, H 303	830	460	10	46	on/off
621098.00X.1.25	L 160, B 115, H 303	840	480	10	48	on/off







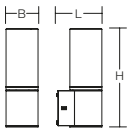


Comparison
LED vs. conventional lamps

LED 10 / 14 W ≈
1 x 100 W A60 (100 W Psys)
1 x 77 W QA60 (77 W Psys)



Wall luminaires | MEGA TUBE



Type of protection: **IP 65**
Protection class: I
Impact protection: IK04

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Diffuser: mouth-blown opal glass, satin finish. Bottom cover single-pane, printed toughened safety glass. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Screwless luminaire fixing via RZB Gravolock® System. With membrane valve as a standard to avoid condensed water. Electrical plug and play featuring quick connector. Cable entry granting two cables for loop-through. Mains connection 2 x 3 x 2.5 mm^2 (with additional light emission downwards 2 x 5 x 2.5 mm^2).

Available colours (X): 31 = anthracite, 4 = silver

Movement sensor:

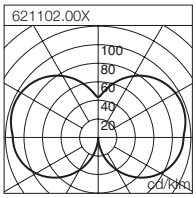
- HF detector 5.8 GHz
- Holding time: 5 sec. - 60 min., adjustable in 13 steps
- Detection angle 120°
- Range: up to 10 m.
- Speed detection: 0.3-3 m/s (1-10 km/h)
- Sensitivity: 0–100%, adjustable in 10 steps.
- Daylight sensor 1-350 lx
- Factory setting: sensitivity 70%, hold time 30 seconds, daylight threshold value ∞.
- Functions adjustable via MICAS Autolight app on tablet or smartphone
- Master-master via Bluetooth® mesh and master-slave wired

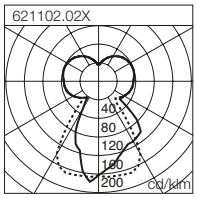
Daylight sensor:

Light-interference pulses of less than 5 seconds are suppressed. This prevents the luminaire from being switched on and off in case of brief incidences of light (e.g. passing vehicles with headlights).

- Switch-on threshold approx. 5-10 lx
- Switch-off threshold approx. 30-40 lx

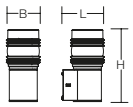
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
621102.00X	L 160, B 115, H 338	830	650	10	65	on/off
621102.00X.1	L 160, B 115, H 338	840	670	10	67	on/off
Wall luminaires with additional light emission downwards (switchable separately)						**Price Category 12**
621102.02X	L 160, B 115, H 338	830	800	14	57	on/off
621102.02X.1	L 160, B 115, H 338	840	830	14	59	on/off
Wall luminaires with movement sensor						**Price Category 12**
621102.00X.19	L 160, B 115, H 338	830	650	10	65	on/off
621102.00X.1.19	L 160, B 115, H 338	840	670	10	67	on/off
Wall luminaires with daylight sensor						**Price Category 12**
621102.00X.25	L 160, B 115, H 338	830	650	10	65	on/off
621102.00X.1.25	L 160, B 115, H 338	840	670	10	67	on/off





Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Wall luminaires | MEGA GÜRTELLINSE





Type of protection: **IP 65**
Protection class: I
Impact protection: IK04

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Mouth-blown luminaire glass, clear, drum lens shape. Bottom cover single-pane, printed toughened safety glass. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Screwless luminaire fixing via RZB Gravolock® System. With membrane valve as a standard to avoid condensed water. Electrical plug and play featuring quick connector. Cable entry granting two cables for loop-through. Mains connection 2 x 3 x 2.5 mm^2 (with additional light emission downwards 2 x 5 x 2.5 mm^2, for movement sensor and daylight sensor 2 x 4 x 2.5 mm^2).

Available colours (X): 31 = anthracite, 4 = silver

Movement sensor:

- HF detector 5.8 GHz
- Holding time: 5 sec. - 60 min., adjustable in 13 steps
- Detection angle 120°
- Range: up to 10 m.
- Speed detection: 0.3-3 m/s (1-10 km/h)
- Sensitivity: 0–100%, adjustable in 10 steps.
- Daylight sensor 1-350 lx
- Factory setting: sensitivity 70%, hold time 30 seconds, daylight threshold value ∞.
- Functions adjustable via MICAS Autolight app on tablet or smartphone
- Master-master via Bluetooth® mesh and master-slave wired

Daylight sensor:

Light-interference pulses of less than 5 seconds are suppressed. This prevents the luminaire from being switched on and off in case of brief incidences of light (e.g. passing vehicles with headlights).

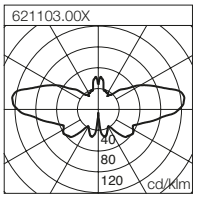
- Switch-on threshold approx. 5-10 lx
- Switch-off threshold approx. 30-40 lx

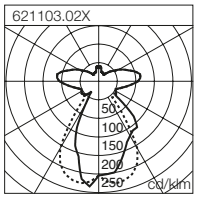
Comparison
LED vs. conventional lamps

LED 10 / 14 W ≈
1 x 100 W A60 (100 W Psys)
1 x 77 W QA60 (77 W Psys)



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
621103.00X	L 160, B 115, H 338	830	500	10	50	on/off
621103.00X.1	L 160, B 115, H 338	840	520	10	52	on/off
Wall luminaires with additional light emission downwards (switchable separately)						**Price Category 12**
621103.02X	L 160, B 115, H 338	830	650	14	46	on/off
621103.02X.1	L 160, B 115, H 338	840	680	14	49	on/off
Wall luminaires with movement sensor						**Price Category 12**
621103.00X.19	L 160, B 115, H 338	830	500	10	50	on/off
621103.00X.1.19	L 160, B 115, H 338	840	520	10	52	on/off
Wall luminaires with daylight sensor						**Price Category 12**
621103.00X.25	L 160, B 115, H 338	830	500	10	50	on/off
621103.00X.1.25	L 160, B 115, H 338	840	520	10	52	on/off







DALI | Plug & Play | IP65

DESMONDO®

Wall luminaires

ARCHITECTURE

- **Design-oriented:** Convincing shaping through modern, straight-lined design.
- **Long service life:** Seawater resistant coating.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.
- **Optimum:** Integral membrane valve for pressure compensation and avoidance of condensation.

LIGHTING DESIGN

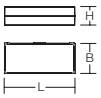
- **Versatile:** Comprehensive selection of light distributions for universal illumination.
- **Applicable:** Illumination of areas and paths close to buildings.
- **Advantageous:** Easy LED replacement thanks to Zhaga standard.
- **Protected:** The high type of protection IP 65 enables maintenance-free, plain LED operation.

INSTALLATION

- **Easy installation:** Tool-free mounting and very easy installation thanks to plug & play connection system (Quick Connector).
- **Clever:** Base fixing slots outside of gasketed area, drill hole deviations can be compensated.
- **Standard:** Second cable inlet for loop through.
- **Reliable planning:** Can be installed horizontally and vertically.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | DESMONDO





Type of protection: **IP 65**
Protection class: I
Impact protection: IK04

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Cover made of ceramic-coated toughened glass. With membrane valve as a standard to avoid condensed water. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. Electrical plug and play featuring quick connector. Driver integrated. Cable entry granting two cables for loop-through.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires with light emission on one side						**Price Category 12**
Asymmetrical linear light distribution for narrow streets and paths						
612339.00X.76	L 303, B 130, H 79	730	4700	32	147	DALI
612339.00X.1.76	L 303, B 130, H 79	740	4850	32	152	DALI
Asymmetrical linear light distribution for wide streets and paths						
612341.00X.76	L 303, B 130, H 79	730	4800	32	150	DALI
612341.00X.1.76	L 303, B 130, H 79	740	4950	32	155	DALI
Asymmetrical narrow beam light distribution for area lighting (e.g. parking lots, loading zones)						
612340.00X.76	L 303, B 130, H 79	730	4550	32	142	DALI
612340.00X.1.76	L 303, B 130, H 79	740	4700	32	147	DALI

Comparison
LED vs. conventional lamps

LED 32 W ≈
1 x 50 W HIT (56 W Psys)








MultiColour | MultiLumen | DALI | Casambi smart+ free | Plug & Play | IP66 | IK07

ROUNDED®

Wall luminaires

ARCHITECTURE

- **Reduced:** Elegant appearance without visible screws featuring bayonet lock.
- **Long service life:** Seawater resistant coating.
- **Safe:** Integral membrane valve for pressure compensation and avoidance of condensation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Efficient:** Versions with daylight sensor, HF motion detector or Casambi smart+free Bluetooth® control.
- **Protected:** The high type of protection IP 66 enables maintenance-free, plain LED operation.
- **Flexible:** MultiLumen: 4 steps adjustable luminous flux.
- **Functional:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.

INSTALLATION

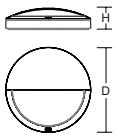
- **Standard:** Second cable inlet for loop through.
- **Advantageous:** Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover




Further luminaires of this series, see:
Outdoor lighting | Ceiling and wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | ROUNDED





Type of protection: **IP 66**
Protection class: I
Impact protection: IK07

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Diffuser: crystal glass (satin finish) or opal plastic (polycarbonate); with diffuser fixing. Diffuser fastening: bayonet system. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. The large connection compartment on the back for convenient connections is also ideal for through wiring.

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest luminous flux.

MultiColour: Colour temperature adjustable via switching element for 3000 K (factory setting) and 4000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Functional parameters of the motion detector for wall mounting up to 2.5 m:

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Comparison LED vs. conventional lamps

LED 3,5 / 4,5 W ≈
1 x 30 W QA60 (30 W Psys)

LED 9,5 / 10 W ≈
1 x 57 W QA60 (57 W Psys)

LED 26 / 27 W ≈
2 x 77 W QA60 (154 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
Glass						
582105.00X	D 300, H 77	830, 840	190...510	3,5...9,5	57	on/off
582105.00X.76	D 300, H 77	830, 840	430...1200	9,5...26	46	DALI
582105.00X.730	D 300, H 77	830, 840	430...1200	10...27	44	smart+free
Plastic (polycarbonate)						
582108.00X	D 300, H 77	830, 840	260...690	3,5...9,5	77	on/off
582108.00X.76	D 300, H 77	830, 840	580...1650	9,5...26	63	DALI
582108.00X.730	D 300, H 77	830, 840	580...1650	10...27	61	smart+free
Wall luminaires with daylight sensor						**Price Category 12**
Glass						
582105.00X.25	D 300, H 77	830, 840	190...510	4,5...10	51	on/off
Plastic (polycarbonate)						
582108.00X.25	D 300, H 77	830, 840	260...690	4,5...10	69	on/off
Wall luminaires with integrated HF movement sensor						**Price Category 12**
Glass						
582105.00X.19	D 300, H 77	830, 840	190...510	4,5...10	51	Sensor
Plastic (polycarbonate)						
582108.00X.19	D 300, H 77	830, 840	260...690	4,5...10	69	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.









IP65 IK08

ALU-SUPERIOR

Wall luminaires

ARCHITECTURE

- **Long service life:** The sturdy construction in die-cast aluminium guarantees a long service life.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Optimum:** Integral membrane valve for pressure compensation and avoidance of condensation.
- **Protected:** The high type of protection IP 65 enables maintenance-free, plain LED operation.

INSTALLATION

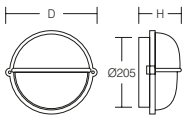
- **Standard:** Second cable inlet for loop through.
- **Clever:** A stainless steel bracket outside the sealed lamp compartment is used to certainly prevent installation failures. Additionally, drill hole tolerances can be compensated.




Further luminaires of this series, see:
Outdoor lighting | Ceiling and wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | ALU-SUPERIOR



Type of protection: **IP 65**
Protection class: I
Impact protection: IK08

Base and cover cap: die-cast aluminium, powder coated. Stainless steel mounting bracket with compensation for drill hole deviations. Diffuser: plastic (polycarbonate), opal. With membrane valve to avoid condensation. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires with visor						**Price Category 12**
51062.00X	D 245, H 125	840	250	6	42	on/off
51051.00X	D 245, H 125	1 x QA60 (klar) max. 57 W				on/off

Comparison
LED vs. conventional lamps

LED 6 W ≈
1 x 40 W A60 (40 W Psys)







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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
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Phase-cut

IP65 IK07

ALU-LUX OVAL

Wall luminaires

ARCHITECTURE

- **Long service life:** The sturdy construction in die-cast aluminium guarantees a long service life.
- **Advantageous:** Seawater resistant coating.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Optimum:** Integral membrane valve for pressure compensation and avoidance of condensation.
- **Protected:** The high type of protection IP 65 enables maintenance-free, plain LED operation.

INSTALLATION

- **Standard:** Second cable inlet for loop through.
- **Clever:** A stainless steel bracket outside the sealed lamp compartment is used to certainly prevent installation failures. Additionally, drill hole tolerances can be compensated.

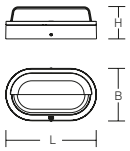




Further luminaires of this series, see:
Outdoor lighting | Ceiling and wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | ALU-LUX OVAL





Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Crystal glass: matt inside. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. With mains voltage LED module. Mains connection 1 x 3 x 2.5 mm^2. With membrane valve to avoid condensation.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires with visor						**Price Category 12**
582065.00X *	L 258, B 148, H 92	830	220	8	28	on/off
582065.00X.1 *	L 258, B 148, H 92	840	240	8	30	on/off
582066.00X *	L 258, B 148, H 92	830	290	12	24	on/off
582066.00X.1 *	L 258, B 148, H 92	840	330	12	28	on/off
Wall luminaires with daylight sensor						**Price Category 12**
582065.00X.25	L 258, B 148, H 92	830	220	8	28	on/off
582065.00X.1.25	L 258, B 148, H 92	840	240	8	30	on/off
582066.00X.25	L 258, B 148, H 92	830	290	12	24	on/off
582066.00X.1.25	L 258, B 148, H 92	840	330	12	28	on/off

* Suitable for phase cut dimming (10-100%)

Comparison
LED vs. conventional lamps

LED 8 / 12 W ≈
1 x 60 W A60 (60 W Psys)
1 x 9 W TC-S (16 W Psys)









The application image shows:
CADERO disca

© Shutterstock



641

CADERO disca

640-641



643

FLAT SLIM round

642-643



643

FLAT SLIM disc

642-643



643

FLAT SLIM step

642-643



644

THE ULTIMATE ULTRA-FLAT HOUSE NUMBER LUMINAIRE

644-645



MultiColour | MultiLumen | Plug & Play | IP66 | IK07

CADERO

Ceiling and wall luminaires

Architecture

- **Reduced:** The flat design provides universal applicability with circular or square glass cover option.
- **Long service life:** Seawater resistant coating.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.
- **Protected:** The high type of protection IP 66 enables maintenance-free, plain LED operation.

LIGHTING DESIGN

- **Plannable:** Second cable inlet for loop through.
- **Flexible:** MultiLumen variants - 4 steps adjustable luminous flux.
- **Funktional:** MultiColour variants - Colour temperature individually adjustable either 3000 K or 4000 K.

INSTALLATION

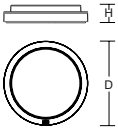
- **Advantageous:** Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover




Further luminaires of this series, see:
Outdoor lighting | Ceiling and wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | CADERO disca - daylight sensor





Type of protection: **IP 66**
Protection class: I
Impact protection: IK07

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Clear crystal glass, painted inside, with fixing device. Diffuser fastening: bayonet system. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. The large connection compartment on the back for convenient connections is also ideal for through wiring.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest luminous flux.

MultiColour: Colour temperature adjustable via switching element for 3000 K (factory setting) and 4000 K.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated daylight sensor						**Price Category 12**
582110.00X.25	D 311, H 64	830, 840	330...880	4,5...10	88	on/off

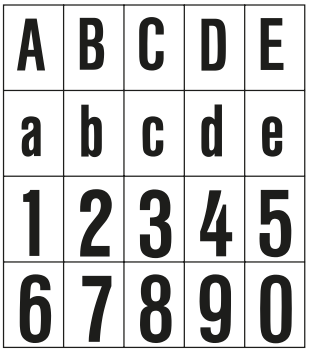
MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 4,5 W ≈
1 x 60 W A60 (60 W Psys)
1 x 9 W TC-S (16 W Psys)

LED 10 W ≈
1 x 100 W A60 (100 W Psys)
1 x 26 W TC-D (34 W Psys)

Accessories | Self-adhesive black numbers and letters



The viewing distance depends on the height of the number. A 10 cm high number can still be read at a distance of 25 m. When ordering, please specify the required numbers or letters after the reference number.

Order example for lettering

99220.003.2 = Number 2

99220.003.B = Capital letter B

99220.003.B/K = Small letter b

Reference number	Dimensions [mm]
Adhesive lettering	**Price Category 12**
99220.003	H 40 mm
99221.003	H 60 mm
99222.003	H 100 mm
99223.003*	H 120 mm
99224.003*	H 200 mm

* Only digits and capital letters can be supplied











FLAT SLIM

Ceiling and wall luminaires

ARCHITECTURE

- **Extensive:** Pendant luminaires, ceiling and wall luminaires.
- **Individual:** Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.
- **Integrated:** Standard Gore™ Protective Vents diaphragm valve to avoid condensation.

LIGHTING DESIGN

- **Flexible:** MultiLumen - 2-step adjustable luminous flux.
- **Variable:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.
- **Uniform:** Particularly homogeneous, soft and glare-free light thanks to the use of large size LED boards.

INSTALLATION

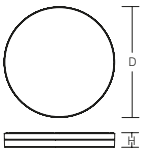
- **Easy installation:** Installation could not be easier thanks to Plug & Play.
- **Straightforward:** Diffuser can be assembled without the use of tools.
- **Advantageous:** Big terminal block; ideal for through-wiring.
- **Standard:** Suitable for through-wiring.



Further luminaires of this series, see:
Outdoor lighting | Ceiling and wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | FLAT SLIM round - daylight sensor



Type of protection: **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated daylight sensor						**Price Category 11**
Diffuser: glass						
312629.00X.25	D 300, H 70	830, 840	1250...2500	13...26	100	on/off
Diffuser: plastic (PMMA)						
312630.00X.25	D 300, H 70	830, 840	1300...2450	11...20	123	on/off
Diffuser: plastic (polycarbonate)						
312630.00X.1.25	D 300, H 70	830, 840	1450...2450	11...18	136	on/off

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

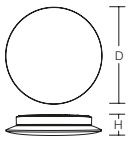


Comparison LED vs. conventional lamps

LED 11 / 13 W ≈
2 x 18 W TC-D (52 W Psys)

LED 18 / 20 / 26 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT SLIM disc - daylight sensor



Type of protection: **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated daylight sensor						**Price Category 11**
312638.00X.25	D 380, H 70	830, 840	1150...2500	11...24	105	on/off

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

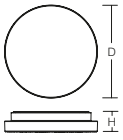


Comparison LED vs. conventional lamps

LED 11 W ≈
2 x 18 W TC-D (52 W Psys)

LED 24 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT SLIM step - daylight sensor



Type of protection: **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated daylight sensor						**Price Category 11**
312635.00X.25	D 350, H 70	830, 840	1200...2500	11...22	114	on/off

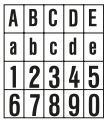
MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



Comparison LED vs. conventional lamps

LED 11 W ≈
2 x 18 W TC-D (52 W Psys)

LED 22 W ≈
2 x 26 W TC-D (68 W Psys)



Self-adhesive black digits and letters can be found at page 641.



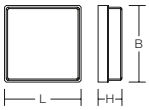
IP44



Comparison
LED vs. conventional lamps

LED 4 W ≈
1 x 40 W A60 (40 W Psys)
1 x 7 W TC-S (14 W Psys)

House number luminaires |
THE ULTIMATE ULTRA-FLAT HOUSE NUMBER LUMINAIRE



Type of protection: **IP 44**
Protection class: I
Impact protection: IK06

Base: plastic. Diffuser: plastic, opal, satin finish. Diffuser fastening: spring system.
With mains voltage LED module.

Please place a separate order for your lettering!

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
221167.00X	L 226, B 226, H 70	840	230	4	58	on/off
Wall luminaires with integrated daylight sensor						**Price Category 12**
221167.00X.25	L 226, B 226, H 70	840	230	4	58	on/off

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Accessories | Self-adhesive black numbers and letters

Sturdy, firmly adhesive

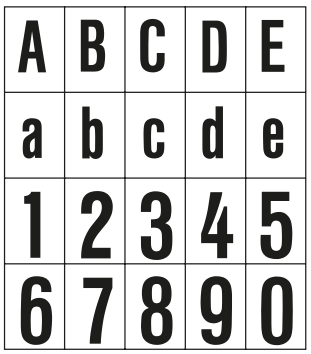
The viewing distance depends on the height of the number. A 10 cm high number can still be read at a distance of 25 m. When ordering, please specify the required numbers or letters after the reference number.

Order example for lettering

99223.013.2 = Number 2 (number height: 120 mm)

99222.013.B = Capital letter B (letter height: 100 mm)

99222.013.B/K = Small letter b (letter height: 100 mm)



Reference number	Dimensions [mm]	
Adhesive lettering		**Price Category 12**
99221.013	H 60 mm	
99222.013	H 100 mm	
99223.013*	H 120 mm	

* Only digits and capital letters can be supplied



© Tinus_Lintner

The application image shows:
THE ULTIMATE ULTRA-FLAT HOUSE NUMBER LUMINAIRE



The application image shows:
ANDHO

© Linus Lintner


649

ANDHO
648-649


653-655

FLAT SLIM round
650-655


656-657

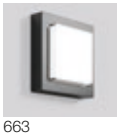
FLAT SLIM disc
652 | 656-657


658-659

FLAT SLIM step
652 | 658-659


660-661

FLAT SLIM square
652 | 660-661


663


663

CADERO
662-663


665


667

ROUNDED
664-667


669


669

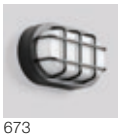
ROUNDED maxi
668-669


671


671

ALU-SUPERIOR
670-671


673


673

ALU-LUX OVAL
672-673


675


675


675

Oval bulkhead luminaires
674-675



DALI | Plug & Play | IP65 | IP66

ANDHO®

Surface mounted downlights

ARCHITECTURE

- **Versatile:** High-quality surface-mounted downlight for indoor and outdoor use.
- **Long service life:** Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Advantageous:** 2 performance levels are available.
- **Efficient:** Reflector made of super-reflective **MIRO-SILVER®** for outstanding efficiency.
- **Optimum:** LED rated life 50000 h (L80/B10).

INSTALLATION

- **Easy installation:** Easy installation with a separate ceiling frame and plug connection.
- **Standard:** Membrane valve to prevent condensation.
- **Straightforward:** Suitable for through-wiring.

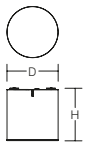


Further luminaires of this series, see:

Outdoor lighting | Pole luminaires
Outdoor lighting | Projectors and floodlights

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted downlights | ANDHO





Type of protection: **IP 66** (ANDHO mini), **IP 65** (ANDHO midi)
Protection class: I
Impact protection: IK06

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Cover clear single-pane toughened glass. Rotation-symmetric reflector made of reflex-boosted MIRO-SILVER®. With membrane valve as a standard to avoid condensed water. Connected via plug-in connector. 5 pole double terminal for through-wiring.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Surface mounted downlights - ANDHO mini								**Price Category 21**
Diameter D 114 mm								
931251.00X.2	D 114, H 147	827	1400	13	108	40	16,3	on/off
931251.00X	D 114, H 147	830	1550	13	119	40	16,6	on/off
931251.00X.1	D 114, H 147	840	1700	13	131	40	17	on/off
931251.00X.2.76	D 114, H 147	827	2800	27	104	40	18,7	DALI
931251.00X.76	D 114, H 147	830	3100	27	115	40	19	DALI
931251.00X.1.76	D 114, H 147	840	3350	27	124	40	19,3	DALI
Surface mounted downlights - ANDHO midi								**Price Category 21**
Diameter D 154 mm								
931196.00X.2	D 154, H 157	827	1800	15	120	61	17,9	on/off
931196.00X.2.76	D 154, H 157	827	1800	15	120	61	17,9	DALI
931196.00X	D 154, H 157	830	2000	15	133	63	18,7	on/off
931196.00X.76	D 154, H 157	830	2000	15	133	63	18,7	DALI
931196.00X.1	D 154, H 157	840	2100	15	140	63	18,8	on/off
931196.00X.1.76	D 154, H 157	840	2100	15	140	63	18,8	DALI
931197.00X.2	D 154, H 157	827	3650	31	118	61	20,3	on/off
931197.00X.2.76	D 154, H 157	827	3650	31	118	61	20,3	DALI
931197.00X	D 154, H 157	830	4000	31	129	63	21,1	on/off
931197.00X.76	D 154, H 157	830	4000	31	129	63	21,1	DALI
931197.00X.1	D 154, H 157	840	4150	31	134	63	21,2	on/off
931197.00X.1.76	D 154, H 157	840	4150	31	134	63	21,2	DALI

Comparison
LED vs. conventional lamps

LED 13 W ≈
1 x 20 W HIT (23 W Psys)

LED 15 W ≈
1 x 32 W TC-TEL (36 W Psys)

LED 27 W ≈
1 x 35 W HIT (43 W Psys)
1 x 42 W TC-TEL (47 W Psys)

LED 31 W ≈
1 x 50 W HIT (56 W Psys)
1 x 57 W TC-TEL (59 W Psys)

Suspension system			Price Category 21
982716.00X	D 72, H 175, LP 3000	Pendant set, 3 m with 5-pin power cable (IP 68)	
982720.00X	D 72, H 175, LP 5000	Pendant set, 5 m with 5-pin power cable (IP 68)	

Not suitable for ANDHO mini DALI versions.



Clear reeded glass with mounting attachment			Price Category 12
982159.000	D 117, H 58	ANDHO mini. Elliptical beam angle.	
982160.000	D 159, H 58	ANDHO midi. Elliptical beam angle.	













© Linus Lintner

The application image shows:
FLAT SLIM round



MultiColour | MultiLumen | DALI | Casambi smart+ free | Touch DIM | Master-Slave | Bluetooth® Mesh | Plug & Play | IP65

FLAT SLIM

Ceiling and wall luminaires

ARCHITECTURE

- **Extensive:** 2 designs, 5 sizes, 3 types of installation, 5 diffusers, 3 colours.
- **Individual:** Round diffuser made of mouth-blown 3-layer opal glass (Triplex glass) with satin finish or opal plastic (PMMA/PC), square diffuser made of matt or gloss crystal glass.
- **Applicable:** Suitable for indoor and outdoor use.
- **Integrated:** Standard Gore™ Protective Vents diaphragm valve to avoid condensation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Flexible:** MultiLumen - 2-step adjustable luminous flux.
- **Variable:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.
- **Uniform:** Particularly homogeneous, soft and glare-free light thanks to the use of large size LED boards.
- **Efficient:** Versions with movement sensor.
- **Smart Lighting:** HF motion detector with DALI and Bluetooth® interfaces for switching, dimming and networking from individual luminaires up to complex light installations.

INSTALLATION

- **Easy installation:** Installation could not be easier thanks to Plug & Play.
- **Straightforward:** Diffuser can be assembled without the use of tools.
- **Advantageous:** Big terminal block; ideal for through-wiring.
- **Standard:** Suitable for through-wiring.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.

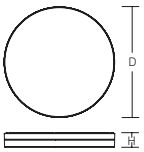


Further luminaires of this series, see:

Indoor lighting | Pendant luminaires
Outdoor lighting | House number luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | FLAT SLIM round



Type of protection: **IP 65**
Protection class: I
Impact protection: IK03, IK02 (PMMA), IK08 (Polycarbonate)

Base: pressure die-cast aluminium, powder-coated. Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Touch DIM Applies to versions with .76

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
Diffuser: glass						
D 230 mm						
312132.00X */**	D 230, H 63	830	1000	12	83	Phase-cut
312132.00X.76 */***	D 230, H 63	830	1000	12	83	DALI
312132.00X.1 */**	D 230, H 63	840	1000	11	91	Phase-cut
312132.00X.1.76 */***	D 230, H 63	840	1000	13	77	DALI
D 300 mm						
312629.00X	D 300, H 70	830, 840	1250...2500	13...26	100	on/off
312629.00X.76	D 300, H 70	830, 840	1250...2500	13...26	100	DALI
312629.00X.730	D 300, H 70	830, 840	1250...2500	13...26	100	smart+free
D 400 mm						
312631.00X	D 400, H 70	830, 840	2450...4000	25...41	100	on/off
312631.00X.76	D 400, H 70	830, 840	2450...4000	25...41	100	DALI
312631.00X.730	D 400, H 70	830, 840	2450...4000	25...41	100	smart+free
D 480 mm						
312633.00X	D 480, H 70	830, 840	3350...5000	31...48	113	on/off
312633.00X.76	D 480, H 70	830, 840	3350...5000	31...48	113	DALI
312633.00X.730	D 480, H 70	830, 840	3350...5000	31...48	113	smart+free
Diffuser: plastic (PMMA)						
D 230 mm						
312135.00X */**	D 230, H 63	830	1150	12	96	Phase-cut
312135.00X.76 */***	D 230, H 63	830	1150	12	96	DALI
312135.00X.1 */**	D 230, H 63	840	1100	11	100	Phase-cut
312135.00X.1.76 */***	D 230, H 63	840	1100	13	85	DALI
D 300 mm						
312630.00X	D 300, H 70	830, 840	1300...2450	11...20	123	on/off
312630.00X.76	D 300, H 70	830, 840	1300...2450	11...20	123	DALI
312630.00X.730	D 300, H 70	830, 840	1300...2450	11...20	123	smart+free
D 400 mm						
312632.00X	D 400, H 70	830, 840	2400...4150	20...33	130	on/off
312632.00X.76	D 400, H 70	830, 840	2400...4150	20...33	130	DALI
312632.00X.730	D 400, H 70	830, 840	2400...4150	20...33	130	smart+free
D 480 mm						
312634.00X	D 480, H 70	830, 840	3450...5150	26...39	138	on/off
312634.00X.76	D 480, H 70	830, 840	3450...5150	26...39	138	DALI
312634.00X.730	D 480, H 70	830, 840	3450...5150	26...39	138	smart+free
Diffuser: plastic (polycarbonate)						
D 230 mm						
312135.00X.2 */**	D 230, H 63	830	1300	12	108	Phase-cut
312135.00X.2.76 */***	D 230, H 63	830	1300	12	108	DALI
312135.00X.3 */**	D 230, H 63	840	1300	11	118	Phase-cut
312135.00X.3.76 */***	D 230, H 63	840	1300	13	100	DALI
D 300 mm						
312630.00X.1	D 300, H 70	830, 840	1450...2450	11...18	136	on/off
312630.00X.1.76	D 300, H 70	830, 840	1450...2450	11...18	136	DALI
312630.00X.1.730	D 300, H 70	830, 840	1450...2450	11...18	136	smart+free
D 400 mm						
312632.00X.1	D 400, H 70	830, 840	2450...4100	18...29	141	on/off
312632.00X.1.76	D 400, H 70	830, 840	2450...4100	18...29	141	DALI
312632.00X.1.730	D 400, H 70	830, 840	2450...4100	18...29	141	smart+free
D 480 mm						
312634.00X.1	D 480, H 70	830, 840	3500...5150	24...35	152	on/off
312634.00X.1.76	D 480, H 70	830, 840	3500...5150	24...35	152	DALI
312634.00X.1.730	D 480, H 70	830, 840	3500...5150	24...35	152	smart+free

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 / 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 18 / 20 / 25 / 26 W ≈
2 x 26 W TC-D (68 W Psys)

LED 24 / 31 W ≈
3 x 26 W TC-D (102 W Psys)

LED 29 / 33 / 41 W ≈
4 x 26 W TC-D (136 W Psys)

LED 35 / 39 / 48 W ≈
2 x 57 W TC-TEL (116 W Psys)





Applies to versions with .19

Comparison LED vs. conventional lamps

LED 11 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

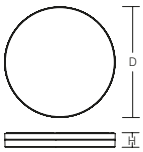
LED 18 / 20 / 25 / 26 W ≈
2 x 26 W TC-D (68 W Psys)

LED 24 / 26 / 31 W ≈
3 x 26 W TC-D (102 W Psys)

LED 29 / 33 / 41 W ≈
4 x 26 W TC-D (136 W Psys)

LED 35 / 39 / 48 W ≈
2 x 57 W TC-TEL (116 W Psys)

Ceiling and wall luminaires | FLAT SLIM round - movement sensor DALI/BT



Type of protection: **IP 65**
Protection class: I
Impact protection: IK03, IK02 (PMMA), IK08 (Polycarbonate)

Base: pressure die-cast aluminium, powder-coated. Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz with integrated corridor function.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via app.
- Sensors can be networked via Bluetooth®.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						**Price Category 11**
Diffuser: glass						
312629.00X.19	D 300, H 70	830, 840	1250...2500	13...26	100	Sensor
312631.00X.19	D 400, H 70	830, 840	2450...4000	25...41	100	Sensor
312633.00X.19	D 480, H 70	830, 840	3350...5000	31...48	113	Sensor
Diffuser: plastic (PMMA)						
312630.00X.19	D 300, H 70	830, 840	1300...2450	11...20	123	Sensor
312632.00X.19	D 400, H 70	830, 840	2400...4150	20...33	130	Sensor
312634.00X.19	D 480, H 70	830, 840	3450...5150	26...39	138	Sensor
Diffuser: plastic (polycarbonate)						
312630.00X.1.19	D 300, H 70	830, 840	1450...2450	11...18	136	Sensor
312632.00X.1.19	D 400, H 70	830, 840	2450...4100	18...29	141	Sensor
312634.00X.1.19	D 480, H 70	830, 840	3500...5150	24...35	152	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

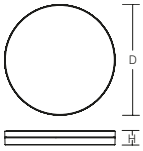


Comparison LED vs. conventional lamps

LED 11 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 18 / 20 / 26 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT SLIM round - daylight sensor



Type of protection: **IP 65**
Protection class: I
Impact protection: IK03, IK02 (PMMA), IK08 (Polycarbonate)

Base: pressure die-cast aluminium, powder-coated. Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated daylight sensor						**Price Category 11**
Diffuser: glass						
312629.00X.25	D 300, H 70	830, 840	1250...2500	13...26	100	on/off
Diffuser: plastic (PMMA)						
312630.00X.25	D 300, H 70	830, 840	1300...2450	11...20	123	on/off
Diffuser: plastic (polycarbonate)						
312630.00X.1.25	D 300, H 70	830, 840	1450...2450	11...18	136	on/off

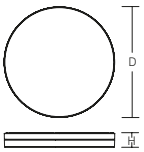
MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | FLAT SLIM round - movement sensor on/off





Type of protection: **IP 65**
Protection class: I
Impact protection: IK03, IK02 (PMMA), IK08 (Polycarbonate)

Base: pressure die-cast aluminium, powder-coated. Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						**Price Category 11**
Diffuser: glass						
312673.00X.19	D 300, H 70	830, 840	1250...2500	13...26	100	Sensor
312675.00X.19	D 400, H 70	830, 840	2450...4000	25...41	100	Sensor
312677.00X.19	D 480, H 70	830, 840	3350...5000	31...48	113	Sensor
Diffuser: plastic (PMMA)						
312674.00X.19	D 300, H 70	830, 840	1300...2450	11...20	123	Sensor
312676.00X.19	D 400, H 70	830, 840	2400...4150	20...33	130	Sensor
312678.00X.19	D 480, H 70	830, 840	3450...5150	26...39	138	Sensor
Diffuser: plastic (polycarbonate)						
312674.00X.1.19	D 300, H 70	830, 840	1450...2450	11...18	136	Sensor
312676.00X.1.19	D 400, H 70	830, 840	2450...4100	18...29	141	Sensor
312678.00X.1.19	D 480, H 70	830, 840	3500...5150	24...35	152	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 18 / 20 / 25 / 26 W ≈
2 x 26 W TC-D (68 W Psys)

LED 24 / 26 / 31 W ≈
3 x 26 W TC-D (102 W Psys)

LED 29 / 33 / 41 W ≈
4 x 26 W TC-D (136 W Psys)

LED 35 / 39 / 48 W ≈
2 x 57 W TC-TEL (116 W Psys)

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Coverage: approx. 130° radial.
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range: 0.5-5 m radial, adjustable from 10-100%.
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.



Applies to versions with .19

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]		Lighting control
Ceiling and wall luminaires with integrated movement sensor							**Price Category 11**
Glass							
312132.00X.19 *	D 230, H 63	830	1000	12	83	Master	on/off
312132.00X.191 *	D 230, H 63	830	1000	13	77	Slave	on/off
312132.00X.1.19 *	D 230, H 63	840	1000	12	83	Master	on/off
312132.00X.1.191 *	D 230, H 63	840	1000	13	77	Slave	on/off
Diffuser: plastic (PMMA)							
312135.00X.19 *	D 230, H 63	830	1150	12	96	Master	on/off
312135.00X.191 *	D 230, H 63	830	1150	13	88	Slave	on/off
312135.00X.1.19 *	D 230, H 63	840	1100	12	92	Master	on/off
312135.00X.1.191 *	D 230, H 63	840	1100	13	85	Slave	on/off
Diffuser: plastic (polycarbonate)							
312135.00X.2.19 *	D 230, H 63	830	1300	12	108	Master	on/off
312135.00X.2.191 *	D 230, H 63	830	1300	13	100	Slave	on/off
312135.00X.3.19 *	D 230, H 63	840	1300	12	108	Master	on/off
312135.00X.3.191 *	D 230, H 63	840	1300	13	100	Slave	on/off

* With mains voltage LED

Comparison LED vs. conventional lamps

LED 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

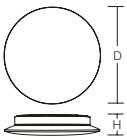
LED 24 / 25 W ≈
2 x 26 W TC-D (68 W Psys)

LED 30 W ≈
3 x 26 W TC-D (102 W Psys)

LED 41 W ≈
4 x 26 W TC-D (136 W Psys)

LED 44 W ≈
2 x 57 W TC-TEL (116 W Psys)

Ceiling and wall luminaires | FLAT SLIM disc



Type of protection: IP 20 (D 560 mm), **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
D 380 mm						
312638.00X	D 380, H 70	830, 840	1150...2500	11...24	105	on/off
312638.00X.76	D 380, H 70	830, 840	1150...2500	11...24	105	DALI
312638.00X.730	D 380, H 70	830, 840	1150...2500	11...24	105	smart+free
D 480 mm						
312639.00X	D 480, H 70	830, 840	2450...4000	25...41	100	on/off
312639.00X.76	D 480, H 70	830, 840	2450...4000	25...41	100	DALI
312639.00X.730	D 480, H 70	830, 840	2450...4000	25...41	100	smart+free
D 560 mm						
312640.00X	D 560, H 70	830, 840	3500...5150	30...44	120	on/off
312640.00X.76	D 560, H 70	830, 840	3500...5150	30...44	120	DALI
312640.00X.730	D 560, H 70	830, 840	3500...5150	30...44	120	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

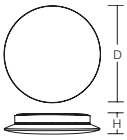


Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

LED 24 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT SLIM disc - daylight sensor



Type of protection: **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated daylight sensor						**Price Category 11**
312638.00X.25	D 380, H 70	830, 840	1150...2500	11...24	105	on/off

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



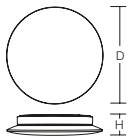






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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | FLAT SLIM disc - movement sensor DALI/BT





Type of protection: IP 20 (D 560 mm), **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz with integrated corridor function.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via app.
- Sensors can be networked via Bluetooth®.

Corridor Function — Applies to versions with .19

Bluetooth® Mesh

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						**Price Category 11**
312638.00X.19	D 380, H 70	830, 840	1150...2500	11...24	105	Sensor
312639.00X.19	D 480, H 70	830, 840	2450...4000	25...41	100	Sensor
312640.00X.19	D 560, H 70	830, 840	3500...5150	30...44	120	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

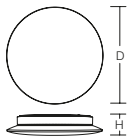
LED 24 / 25 W ≈
2 x 26 W TC-D (68 W Psys)

LED 30 W ≈
3 x 26 W TC-D (102 W Psys)

LED 41 W ≈
4 x 26 W TC-D (136 W Psys)

LED 44 W ≈
2 x 57 W TC-TEL (116 W Psys)

Ceiling and wall luminaires | FLAT SLIM disc - movement sensor on/off





Type of protection: IP 20 (D 560 mm), **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Master+Slave

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						**Price Category 11**
312682.00X.19	D 380, H 70	830, 840	1150...2500	11...24	105	Sensor
312683.00X.19	D 480, H 70	830, 840	2450...4000	25...41	100	Sensor
312684.00X.19	D 560, H 70	830, 840	3500...5150	30...44	120	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

LED 24 / 25 W ≈
2 x 26 W TC-D (68 W Psys)

LED 30 W ≈
3 x 26 W TC-D (102 W Psys)

LED 41 W ≈
4 x 26 W TC-D (136 W Psys)

LED 44 W ≈
2 x 57 W TC-TEL (116 W Psys)



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

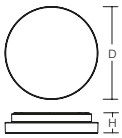
LED 22 / 24 W ≈
2 x 26 W TC-D (68 W Psys)

LED 28 W ≈
3 x 26 W TC-D (102 W Psys)

LED 38 W ≈
4 x 26 W TC-D (136 W Psys)

LED 40 W ≈
2 x 57 W TC-TEL (116 W Psys)

Ceiling and wall luminaires | FLAT SLIM step



Type of protection: **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
D 350 mm						
312635.00X	D 350, H 70	830, 840	1200...2500	11...22	114	on/off
312635.00X.76	D 350, H 70	830, 840	1200...2500	11...22	114	DALI
312635.00X.730	D 350, H 70	830, 840	1200...2500	11...22	114	smart+free
D 450 mm						
312636.00X	D 450, H 70	830, 840	2450...4150	24...38	109	on/off
312636.00X.76	D 450, H 70	830, 840	2450...4150	24...38	109	DALI
312636.00X.730	D 450, H 70	830, 840	2450...4150	24...38	109	smart+free
D 530 mm						
312637.00X	D 530, H 70	830, 840	3500...5000	28...40	129	on/off
312637.00X.76	D 530, H 70	830, 840	3500...5000	28...40	129	DALI
312637.00X.730	D 530, H 70	830, 840	3500...5000	28...40	129	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

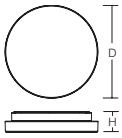


Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

LED 22 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT SLIM step - daylight sensor



Type of protection: **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated daylight sensor						**Price Category 11**
312635.00X.25	D 350, H 70	830, 840	1200...2500	11...22	114	on/off

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



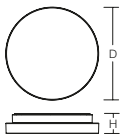






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | FLAT SLIM step - movement sensor DALI/BT





Type of protection: **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz with integrated corridor function.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via app.
- Sensors can be networked via Bluetooth®.



Applies to versions with .19



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						**Price Category 11**
312635.00X.19	D 350, H 70	830, 840	1200...2500	11...22	114	Sensor
312636.00X.19	D 450, H 70	830, 840	2450...4150	24...38	109	Sensor
312637.00X.19	D 530, H 70	830, 840	3500...5000	28...40	129	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

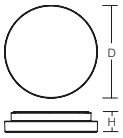
LED 22 / 24 W ≈
2 x 26 W TC-D (68 W Psys)

LED 28 W ≈
3 x 26 W TC-D (102 W Psys)

LED 38 W ≈
4 x 26 W TC-D (136 W Psys)

LED 40 W ≈
2 x 57 W TC-TEL (116 W Psys)

Ceiling and wall luminaires | FLAT SLIM step - movement sensor on/off





Type of protection: **IP 65**
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						**Price Category 11**
312679.00X.19	D 350, H 70	830, 840	1200...2500	11...22	114	Sensor
312680.00X.19	D 450, H 70	830, 840	2450...4150	24...38	109	Sensor
312681.00X.19	D 530, H 70	830, 840	3500...5000	28...40	129	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W Psys)

LED 22 / 24 W ≈
2 x 26 W TC-D (68 W Psys)

LED 28 W ≈
3 x 26 W TC-D (102 W Psys)

LED 38 W ≈
4 x 26 W TC-D (136 W Psys)

LED 40 W ≈
2 x 57 W TC-TEL (116 W Psys)



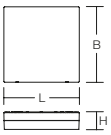
Touch DIM Applies to versions with .76

Comparison
LED vs. conventional lamps

LED 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 19 / 21 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT SLIM square



Type of protection: **IP 65** wall mounting, **IP 40** ceiling mounting
Protection class: I
Impact protection: IK07

Base: pressure die-cast aluminium, powder-coated. Diffuser: matt or high-polish crystal glass, painted inside, with fixing device. Diffuser with frame made of pressure die-cast aluminium, powder-coated, bonded. Diffuser attached with clip system. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 4000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
Diffuser: high-polish crystal glass						
312538.00X	L 300, B 300, H 67	830, 840	1250...2200	12...19	116	on/off
312538.00X.76	L 300, B 300, H 67	830, 840	1300...2300	13...21	110	DALI
312538.00X.730	L 300, B 300, H 67	830, 840	1300...2300	13...21	110	smart+free
Diffuser: matt crystal glass						
312537.00X	L 300, B 300, H 67	830, 840	1300...2300	12...19	121	on/off
312537.00X.76	L 300, B 300, H 67	830, 840	1350...2400	13...21	114	DALI
312537.00X.730	L 300, B 300, H 67	830, 840	1350...2400	13...21	114	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.


Diffuser: high-polish crystal glass


Diffuser: matt crystal glass



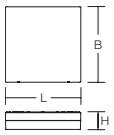






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Ceiling and wall luminaires | FLAT SLIM square - movement sensor DALI/BT





Type of protection: **IP 65** wall mounting, **IP 40** ceiling mounting
Protection class: I
Impact protection: IK07

Base: pressure die-cast aluminium, powder-coated. Diffuser: matt or high-polish crystal glass, painted inside, with fixing device. Diffuser with frame made of pressure die-cast aluminium, powder-coated, bonded. Diffuser attached with clip system. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 4000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver



Applies to versions with .19



Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz with integrated corridor function.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via app.
- Sensors can be networked via Bluetooth®.

Comparison LED vs. conventional lamps

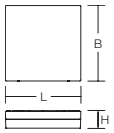
LED 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 21 W ≈
2 x 26 W TC-D (68 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated HF movement sensor						**Price Category 11**
Diffuser: high-polish crystal glass						
312669.00X.19	L 300, B 300, H 67	830, 840	1300...2300	13...21	110	Sensor
Diffuser: matt crystal glass						
312671.00X.19	L 300, B 300, H 67	830, 840	1350...2400	13...21	114	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Ceiling and wall luminaires | FLAT SLIM square - movement sensor on/off





Type of protection: **IP 65** wall mounting, **IP 40** ceiling mounting
Protection class: I
Impact protection: IK07

Base: pressure die-cast aluminium, powder-coated. Diffuser: matt or high-polish crystal glass, painted inside, with fixing device. Diffuser with frame made of pressure die-cast aluminium, powder coated, bonded. Diffuser attached with clip system. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 4000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver



Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Comparison LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 21 W ≈
2 x 26 W TC-D (68 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with integrated HF movement sensor						**Price Category 11**
Diffuser: high-polish crystal glass						
312665.00X.19	L 300, B 300, H 67	830, 840	1300...2300	13...21	110	Sensor
Diffuser: matt crystal glass						
312667.00X.19	L 300, B 300, H 67	830, 840	1350...2400	13...21	114	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



MultiColour | MultiLumen | DALI | Phase-cut | Casambi smart+ free | Plug & Play | IP66

CADERO®

Ceiling and wall luminaires

ARCHITECTURE

- **Reduced:** The flat design provides universal applicability with circular or square glass cover option.
- **Long service life:** Seawater resistant coating.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.
- **Protected:** The high type of protection IP 66 enables maintenance-free, plain LED operation.

LIGHTING DESIGN

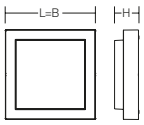
- **Plannable:** Second cable inlet for loop through.
- **Flexible:** MultiLumen variants - 4 steps adjustable luminous flux.
- **Funktional:** MultiColour variants - Colour temperature individually adjustable either 3000 K or 4000 K.

INSTALLATION

- **Advantageous:** Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | CADERO quadra





Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Clear crystal glass, painted inside, with fixing device. Simple mounting spring system for installation without tools. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to avoid condensed water. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm².

Available colours (X): 31 = anthracite, 4 = silver

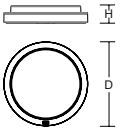
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control	
Ceiling and wall luminaires							**Price Category 12**
581637.0031.1 */**	L 257, B 257, H 81	840	660	11	60	Phase-cut	✓
581637.004.1 .Q*/**	L 257, B 257, H 81	840	660	11	60	Phase-cut	✓
581637.0031 */**	L 257, B 257, H 81	830	630	12	53	Phase-cut	✓
581637.004 .Q*/**	L 257, B 257, H 81	830	630	12	53	Phase-cut	✓
Ceiling and wall luminaires with integrated movement sensor							**Price Category 12**
581637.0031.19	L 257, B 257, H 81	830	630	12	53	on/off	
581637.004.19 .Q	L 257, B 257, H 81	830	630	12	53	on/off	
581637.0031.1.19	L 257, B 257, H 81	840	660	12	55	on/off	
581637.004.1.19 .Q	L 257, B 257, H 81	840	660	12	55	on/off	

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable versions available

Comparison
LED vs. conventional lamps

LED 11 / 12 W ≈
1 x 18 W TC-D (26 W Psys)

Ceiling and wall luminaires | CADERO disca





Type of protection: **IP 66**
Protection class: I

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Clear crystal glass, painted inside, with fixing device. Diffuser fastening: bayonet system. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. The large connection compartment on the back for convenient connections is also ideal for through wiring.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest luminous flux.

MultiColour: Colour temperature adjustable via switching element for 3000 K (factory setting) and 4000 K.

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 12**
582110.00X	D 311, H 64	830, 840	330...880	3,5...9,5	97	on/off
582110.00X.76	D 311, H 64	830, 840	820...2350	9,5...26	90	DALI
582110.00X.730	D 311, H 64	830, 840	820...2350	10...27	87	smart+free
Ceiling and wall luminaires with integrated HF movement sensor						**Price Category 12**
582110.00X.19	D 311, H 64	830, 840	330...880	4,5...10	88	Sensor
Ceiling and wall luminaires with integrated daylight sensor						**Price Category 12**
582110.00X.25	D 311, H 64	830, 840	330...880	4,5...10	88	on/off

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 3,5 / 4,5 W ≈
1 x 9 W TC-S (16 W Psys)

LED 9,5 / 10 W ≈
1 x 26 W TC-D (34 W Psys)

LED 26 / 27 W ≈
1 x 57 W TC-TEL (59 W Psys)

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.



MultiColour | MultiLumen | DALI | Casambi smart+ free | Plug & Play | IP66 | IK07

ROUNDED®

Ceiling and wall luminaires

ARCHITECTURE

- **Reduced:** Elegant appearance without visible screws featuring bayonet lock.
- **Long service life:** Seawater resistant coating.
- **Optimum:** Integral membrane valve for pressure compensation and avoidance of condensation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Efficient:** Versions with daylight sensor, HF motion detector or Casambi smart+free Bluetooth® control.
- **Protected:** The high type of protection IP 66 enables maintenance-free, plain LED operation.
- **Flexible:** MultiLumen: 4 steps adjustable luminous flux.
- **Funktional:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.

INSTALLATION

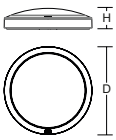
- **Standard:** Second cable inlet for loop through.
- **Advantageous:** Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover



Further luminaires of this series, see:
Outdoor lighting | Wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | ROUNDED





Type of protection: **IP 66**
Protection class: I
Impact protection: IK07

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Diffuser: crystal glass (satin finish) or opal plastic (polycarbonate); with diffuser fixing. Diffuser fastening: bayonet system. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. The large connection compartment on the back for convenient connections is also ideal for through wiring.

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest luminous flux.

MultiColour: Colour temperature adjustable via switching element for 3000 K (factory setting) and 4000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Comparison LED vs. conventional lamps

LED 3,5 / 4,5 W ≈
1 x 9 W TC-S (16 W Psys)

LED 9,5 / 10 W ≈
1 x 26 W TC-D (34 W Psys)

LED 26 / 27 W ≈
1 x 57 W TC-TEL (59 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 12**
Glass						
582104.00X	D 300, H 71	830, 840	340...890	3,5...9,5	100	on/off
582104.00X.76	D 300, H 71	830, 840	860...2450	9,5...26	94	DALI
582104.00X.730	D 300, H 71	830, 840	860...2450	10...27	91	smart+free
Plastic (polycarbonate)						
582107.00X	D 300, H 71	830, 840	450...1150	3,5...9,5	131	on/off
582107.00X.76	D 300, H 71	830, 840	1150...3250	9,5...26	126	on/off
582107.00X.730	D 300, H 71	830, 840	1150...3250	10...27	120	smart+free
Ceiling and wall luminaires with integrated HF movement sensor						**Price Category 12**
Glass						
582104.00X.19	D 300, H 71	830, 840	340...890	4,5...10	89	Sensor
Plastic (polycarbonate)						
582107.00X.19	D 300, H 71	830, 840	450...1150	4,5...10	115	Sensor
Ceiling and wall luminaires with integrated daylight sensor						**Price Category 12**
Glass						
582104.00X.25	D 300, H 71	830, 840	340...890	4,5...10	89	on/off
Plastic (polycarbonate)						
582107.00X.25	D 300, H 71	830, 840	450...1150	4,5...10	115	on/off

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.











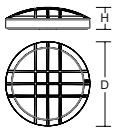
Comparison
LED vs. conventional lamps

LED 3,5 / 4,5 W ≈
1 x 9 W TC-S (16 W Psys)

LED 9,5 / 10 W ≈
1 x 26 W TC-D (34 W Psys)

LED 26 / 27 W ≈
1 x 57 W TC-TEL (59 W Psys)

Ceiling and wall luminaires | ROUNDED



Type of protection: **IP 66**
Protection class: I
Impact protection: IK07

Base, housing and protective guard made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Diffuser: crystal glass (satin finish) or opal plastic (polycarbonate); with diffuser fixing. Diffuser fastening: bayonet system. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. The large connection compartment on the back for convenient connections is also ideal for through wiring.

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest luminous flux.

MultiColour: Colour temperature adjustable via switching element for 3000 K (factory setting) and 4000 K.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

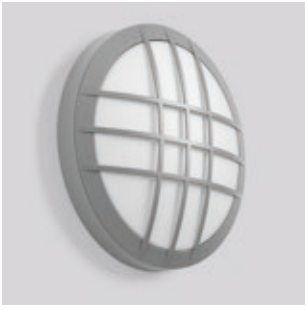
- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 12**
Glass						
582106.00X	D 300, H 77	830, 840	310...820	3,5...9,5	91	on/off
582106.00X.76	D 300, H 77	830, 840	700...1950	9,5...26	76	DALI
582106.00X.730	D 300, H 77	830, 840	700...1950	10...27	72	smart+free
Plastic (polycarbonate)						
582109.00X	D 300, H 77	830, 840	410...1100	3,5...9,5	120	on/off
582109.00X.76	D 300, H 77	830, 840	940...2600	9,5...26	100	DALI
582109.00X.730	D 300, H 77	830, 840	940...2600	10...27	96	smart+free
Ceiling and wall luminaires with integrated HF movement sensor						**Price Category 12**
Glass						
582106.00X.19	D 300, H 77	830, 840	310...820	4,5...10	82	Sensor
Plastic (polycarbonate)						
582109.00X.19	D 300, H 77	830, 840	410...1100	4,5...10	110	Sensor
Ceiling and wall luminaires with integrated daylight sensor						**Price Category 12**
Glass						
582106.00X.25	D 300, H 77	830, 840	310...820	4,5...10	82	on/off
Plastic (polycarbonate)						
582109.00X.25	D 300, H 77	830, 840	410...1100	4,5...10	110	on/off

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.







Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



© Shutterstock

The application image shows:
ROUNDED



Phase-cut

Plug & Play

IP65

IK07

ROUNDED® MAXI

Ceiling and wall luminaires

ARCHITECTURE

- **Reduced:** Elegant appearance without visible screws featuring bayonet lock.
- **Long service life:** Seawater resistant coating.
- **Optimum:** Integral membrane valve for pressure compensation and avoidance of condensation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

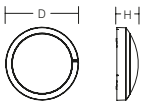
- **Efficient:** Versions with motion detector.
- **Protected:** The high type of protection IP 65 enables maintenance-free, plain LED operation.
- **Varied:** Emergency versions for escape route lighting and central battery system available.

INSTALLATION

- **Standard:** Second cable inlet for loop through.
- **Advantageous:** Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | ROUNDED maxi





Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Diffuser: crystal glass (satin finish) with diffuser fixing. Screwless cover fixing via bayonet lock with safety catch. Includes 1 anti-theft device. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to avoid condensed water. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control	
Ceiling and wall luminaires							**Price Category 12**
581639.00X *	D 400, H 120	830	1250	19	66	on/off	✓
581639.002.1 *	D 400, H 120	840	1250	19	66	on/off	✓
581639.0031.1 *	D 400, H 120	840	1250	19	66	on/off	✓
581639.004.1 .Q*	D 400, H 120	840	1250	19	66	on/off	✓
581638.00X	D 400, H 120	2 x QA60 (klar) max. 57 W				on/off	
Ceiling and wall luminaires with integrated HF movement sensor and light sensor							**Price Category 12**
581639.00X.19 **	D 400, H 120	830	1250	20	63	on/off	
581639.00X.1.19 **	D 400, H 120	840	1250	19	66	on/off	

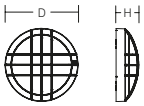
* Suitable for phase cut dimming (10-100%) | ** The light sensor cannot be operated separately as a daylight sensor

Theft protection		Price Category 12
982410.003	L 13, B 11, H 16	

Comparison LED vs. conventional lamps

LED 19 / 20 W ≈
2 x 18 W TC-D (52 W Psys)

Ceiling and wall luminaires | ROUNDED maxi





Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Diffuser: crystal glass (satin finish) with diffuser fixing. Screwless cover fixing via bayonet lock with safety catch. Includes 1 anti-theft device. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to avoid condensed water. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control	
Ceiling and wall luminaires							**Price Category 12**
581641.00X *	D 400, H 127	830	1150	19	61	on/off	✓
581641.00X.1 *	D 400, H 127	840	1150	19	61	on/off	✓
581640.00X	D 400, H 127	2 x QA60 (klar) max. 57 W				on/off	
Ceiling and wall luminaires with integrated HF movement sensor and light sensor							**Price Category 12**
581641.00X.1.19 **	D 400, H 127	840	1150	19	61	on/off	
581641.00X.19 **	D 400, H 127	830	1150	20	58	on/off	

* Suitable for phase cut dimming (10-100%) | ** The light sensor cannot be operated separately as a daylight sensor

Theft protection		Price Category 12
982410.003	L 13, B 11, H 16	

Comparison LED vs. conventional lamps

LED 19 / 20 W ≈
2 x 18 W TC-D (52 W Psys)

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.



IP65 IK08

ALU-SUPERIOR

Ceiling and wall luminaires

ARCHITECTURE

- **Long service life:** The sturdy construction in die-cast aluminium guarantees a long service life.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Optimum:** Integral membrane valve for pressure compensation and avoidance of condensation.
- **Protected:** The high type of protection IP 65 enables maintenance-free, plain LED operation.

INSTALLATION

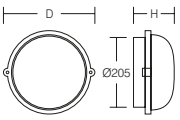
- **Standard:** Second cable inlet for loop through.
- **Clever:** A stainless steel bracket outside the sealed lamp compartment is used to certainly prevent installation failures. Additionally, drill hole tolerances can be compensated.



Further luminaires of this series, see:
Outdoor lighting | Wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | ALU-SUPERIOR





Type of protection: **IP 65**
Protection class: I
Impact protection: IK08

Base and cover ring: die-cast aluminium, powder-coated. Stainless steel mounting bracket with compensation for drill hole deviations. Diffuser: plastic (polycarbonate), opal. With membrane valve to avoid condensation. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

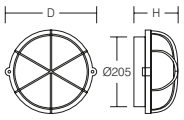
Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 12**
51061.00X	D 245, H 120	840	410	6	68	on/off
51050.00X	D 245, H 120	1 x QA60 (klar) max. 57 W				on/off

Comparison
LED vs. conventional lamps

LED 6 W ≈
1 x 60 W A60 (60 W Psys)

Ceiling and wall luminaires | Alu-Superior





Type of protection: **IP 65**
Protection class: I
Impact protection: IK08

Base and protective guard: die-cast aluminium, powder-coated. Stainless steel mounting bracket with compensation for drill hole deviations. Diffuser: plastic (polycarbonate), opal. With membrane valve to avoid condensation. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with grille						**Price Category 12**
51063.00X	D 245, H 125	840	410	6	68	on/off
51052.00X	D 245, H 125	1 x QA60 (klar) max. 57 W				on/off

Comparison
LED vs. conventional lamps

LED 6 W ≈
1 x 60 W A60 (60 W Psys)









Phase-cut

IP65 IK07

ALU-LUX OVAL

Ceiling and wall luminaires

ARCHITECTURE

- **Long service life:** The sturdy construction in die-cast aluminium guarantees a long service life.
- **Advantageous:** Seawater resistant coating.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Optimum:** Integral membrane valve for pressure compensation and avoidance of condensation.
- **Protected:** The high type of protection IP 65 enables maintenance-free, plain LED operation.

INSTALLATION

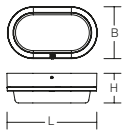
- **Standard:** Second cable inlet for loop through.
- **Clever:** A stainless steel bracket outside the sealed lamp compartment is used to certainly prevent installation failures. Additionally, drill hole tolerances can be compensated.



Further luminaires of this series, see:
Outdoor lighting | Wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | ALU-LUX OVAL





Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Crystal glass: matt inside. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. With mains voltage LED module. Mains connection 1 x 3 x 2.5 mm^2. With membrane valve to avoid condensation.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 12**
582061.00X *	L 258, B 148, H 86	830	490	8	61	on/off
582061.00X.1 *	L 258, B 148, H 86	840	540	8	68	on/off
582062.00X *	L 258, B 148, H 86	830	680	12	57	on/off
582062.00X.1 *	L 258, B 148, H 86	840	740	12	62	on/off
Ceiling and wall luminaires with daylight sensor						**Price Category 12**
582061.00X.25	L 258, B 148, H 86	830	490	8	61	on/off
582061.00X.1.25	L 258, B 148, H 86	840	540	8	68	on/off
582062.00X.25	L 258, B 148, H 86	830	680	12	57	on/off
582062.00X.1.25	L 258, B 148, H 86	840	740	12	62	on/off

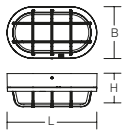
* Suitable for phase cut dimming (10-100%)

Comparison LED vs. conventional lamps

LED 8 W ≈
1 x 75 W A60 (75 W Psys)
1 x 13 W TC-D (19 W Psys)

LED 12 W ≈
1 x 100 W A60 (100 W Psys)
1 x 18 W TC-D (26 W Psys)

Ceiling and wall luminaires | ALU-LUX OVAL





Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Crystal glass: matt inside. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated. With mains voltage LED module. Mains connection 1 x 3 x 2.5 mm^2. With membrane valve to avoid condensation.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires with protective guard						**Price Category 12**
582063.00X *	L 258, B 148, H 95	830	480	8	60	on/off
582063.00X.1 *	L 258, B 148, H 95	840	530	8	66	on/off
582064.00X *	L 258, B 148, H 95	830	670	12	56	on/off
582064.00X.1 *	L 258, B 148, H 95	840	730	12	61	on/off
Ceiling and wall luminaires with protective guard and integrated daylight sensor						**Price Category 12**
582063.00X.25	L 258, B 148, H 95	830	480	8	60	on/off
582063.00X.1.25	L 258, B 148, H 95	840	530	8	66	on/off
582064.00X.25	L 258, B 148, H 95	830	670	12	56	on/off
582064.00X.1.25	L 258, B 148, H 95	840	730	12	61	on/off

* Suitable for phase cut dimming (10-100%)

Comparison LED vs. conventional lamps

LED 8 W ≈
1 x 75 W A60 (75 W Psys)
1 x 13 W TC-D (19 W Psys)

LED 12 W ≈
1 x 100 W A60 (100 W Psys)
1 x 18 W TC-D (26 W Psys)









IP66

OVAL BULKHEAD LUMINAIRES

Die-cast aluminium oval bulkhead luminaires, Oval bulkhead luminaires, plastic

ARCHITECTURE

- **Classical:** The oval bulkhead luminaire – a classic with a new design.
- **Robust:** Suitable for use in harsh environments.

LIGHTING DESIGN

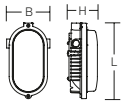
- **Uniform:** Homogeneous and smooth light distribution.
- **Advantageous:** Diffuser made of textured toughened crystal glass.

INSTALLATION

- **Easy installation:** Speedy installation thanks to external fastening clips.
- **Standard:** Suitable for through-wiring.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Die-cast aluminium oval bulkhead luminaires | ARENO





Type of protection: **IP 66**
Protection class: I
Impact protection: IK03

High-quality housing made of pressure die-cast aluminium, powder coated. Diffuser made of textured toughened crystal glass, coated white on one side. Full-surface homogeneous illumination. Bezel ring: powder coated die-cast aluminium, screwed on the luminaire. Drill holes at the inside, with silicone. With three cable inlets: M20x1.5. Replaceable LED unit.

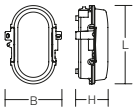
Available colour: 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
501047.004	L 227, B 141, H 87	840	500	8,5	59	on/off

Comparison
LED vs. conventional lamps

LED 8,5 W ≈
1 x 75 W A60 (75 W Psys)
1 x 13 W TC-D (19 W Psys)

Die-cast aluminium oval bulkhead luminaires | ALU-STANDARD





Type of protection: **IP 66**
Protection class: I
Impact protection: IK04

Robust housing: pressure die-cast aluminium, powder coated. Diffuser made of textured toughened crystal glass, opal. Diffuser attached with lateral spring clips. Full-surface homogeneous illumination. Speedy installation thanks to external fastening clips. Three cable inlets. Replaceable LED unit.

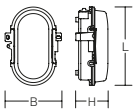
Available colour: 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
501045.004	L 171, B 123, H 70	840	740	8,5	87	on/off

Comparison
LED vs. conventional lamps

LED 8,5 W ≈
1 x 100 W A60 (100 W Psys)
1 x 18 W TC-D (26 W Psys)

Oval bulkhead luminaires, plastic | STANDARD





Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection class: I
Impact protection: IK04

Housing: plastic. Diffuser made of textured toughened crystal glass, opal. Diffuser attached with lateral spring clips. Full-surface homogeneous illumination. Speedy installation thanks to external fastening clips. Three cable inlets. Replaceable LED unit.

Available colour: 9 = grey

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
501044.009	L 171, B 123, H 70	840	740	8,5	87	on/off

Comparison
LED vs. conventional lamps

LED 8,5 W ≈
1 x 100 W A60 (100 W Psys)
1 x 18 W TC-D (26 W Psys)



The application image shows:
BOCARO

© Linus Britz


683

BOCARO
680-683


687

LUPALO POLLER
684-687


691

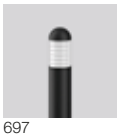

691

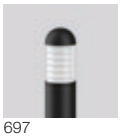
LUPALO LATERNE
LUPALO TOWER
688-691


696


696

MEGA TOWER F
692-696

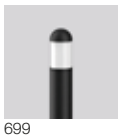

697


697

MEGA TOWER R
692-694 | 697


698

MEGA CONE
692-694 | 698


699

MEGA LATERNE R
692-694 | 699


700

MEGA LATERNE F
692-694 | 700


701


701

MEGA GÜRTELLINSE
692-694 | 701

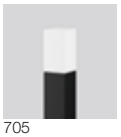

702-703

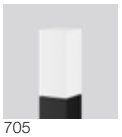

702-703

MEGA TUBE
692-694 | 702-703


704

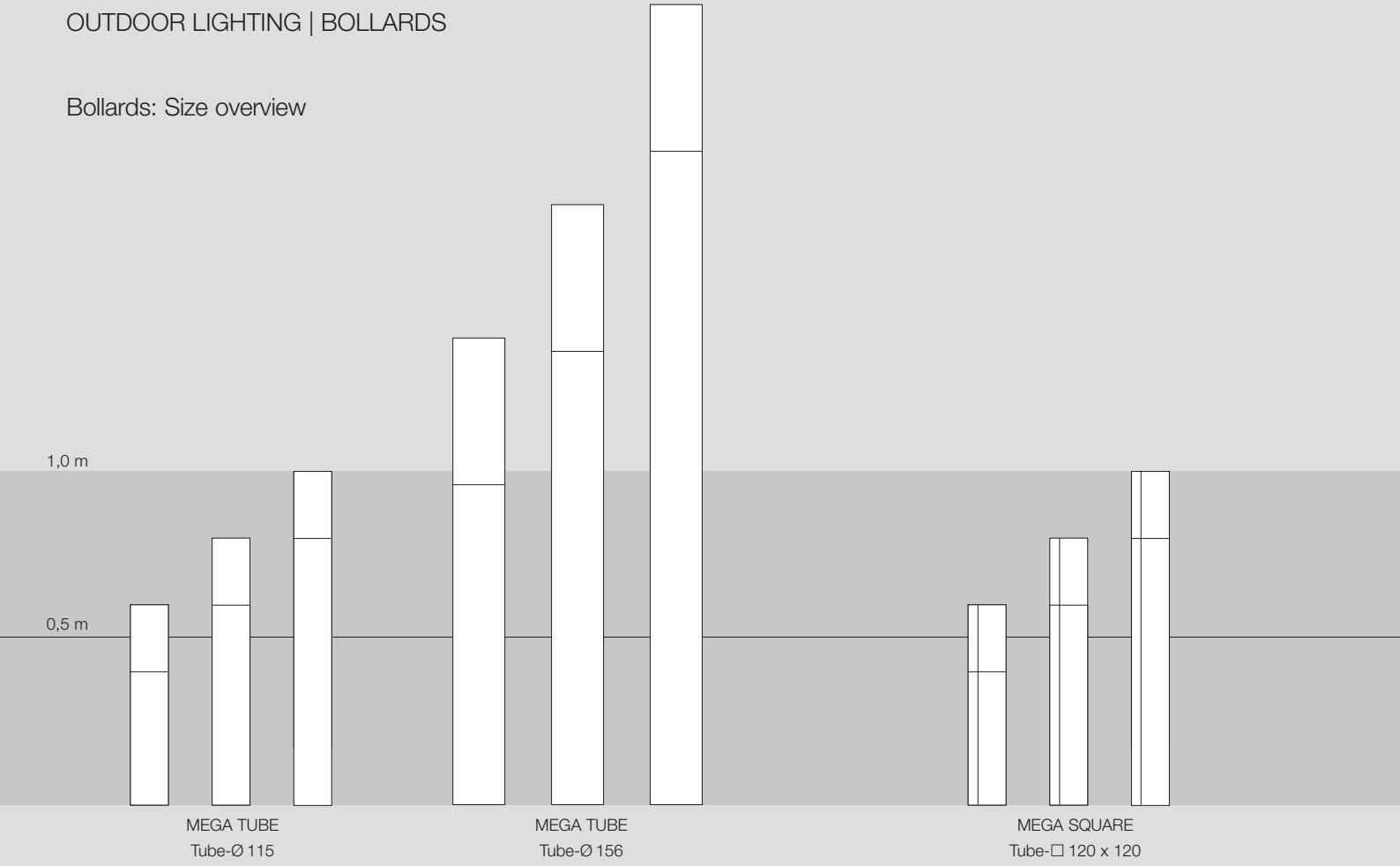
MEGA GLASPOLLER
692-694 | 704


705


705

MEGA SQUARE
692-694 | 705

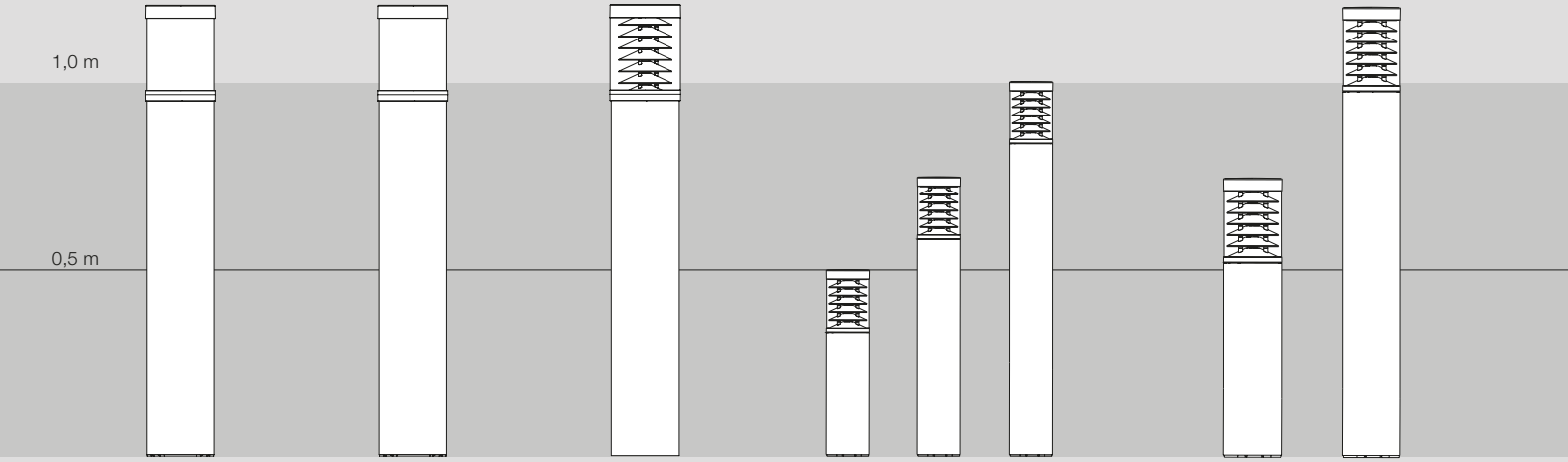
Bollards: Size overview



MEGA TUBE
Tube-Ø 115

MEGA TUBE
Tube-Ø 156

MEGA SQUARE
Tube-□ 120 x 120



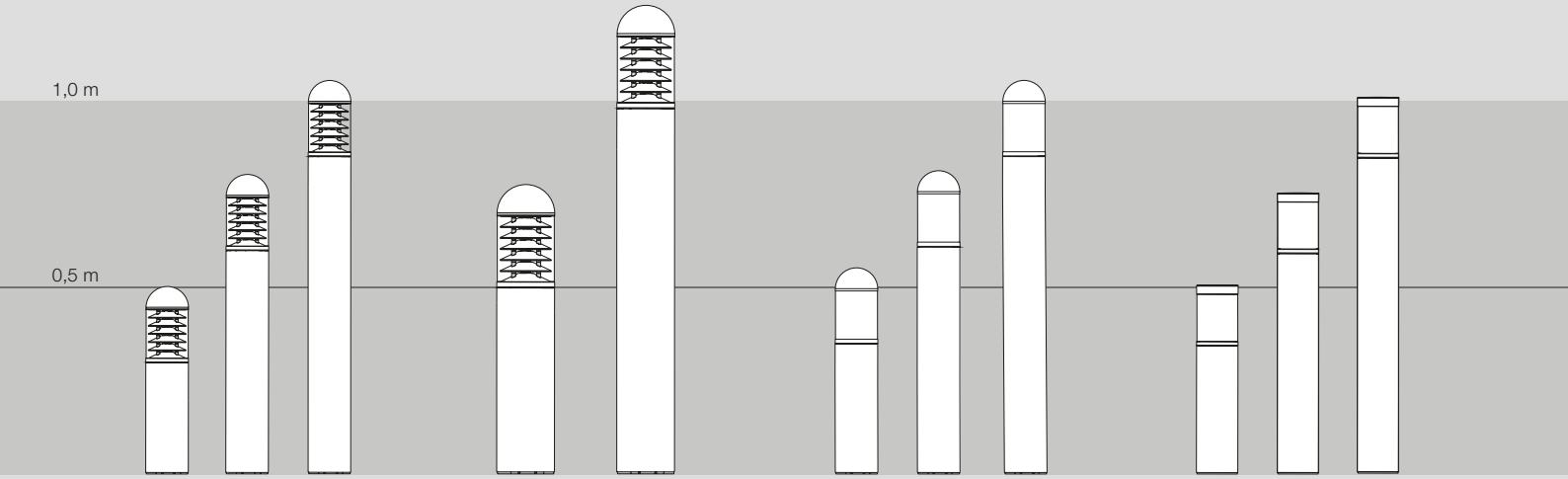
LUPALO POLLER
Tube-Ø 187

LUPALO LATERNE
Tube-Ø 187

LUPALO TOWER
Tube-Ø 187

MEGA TOWER
Tube-Ø 115

MEGA TOWER
Tube-Ø 156

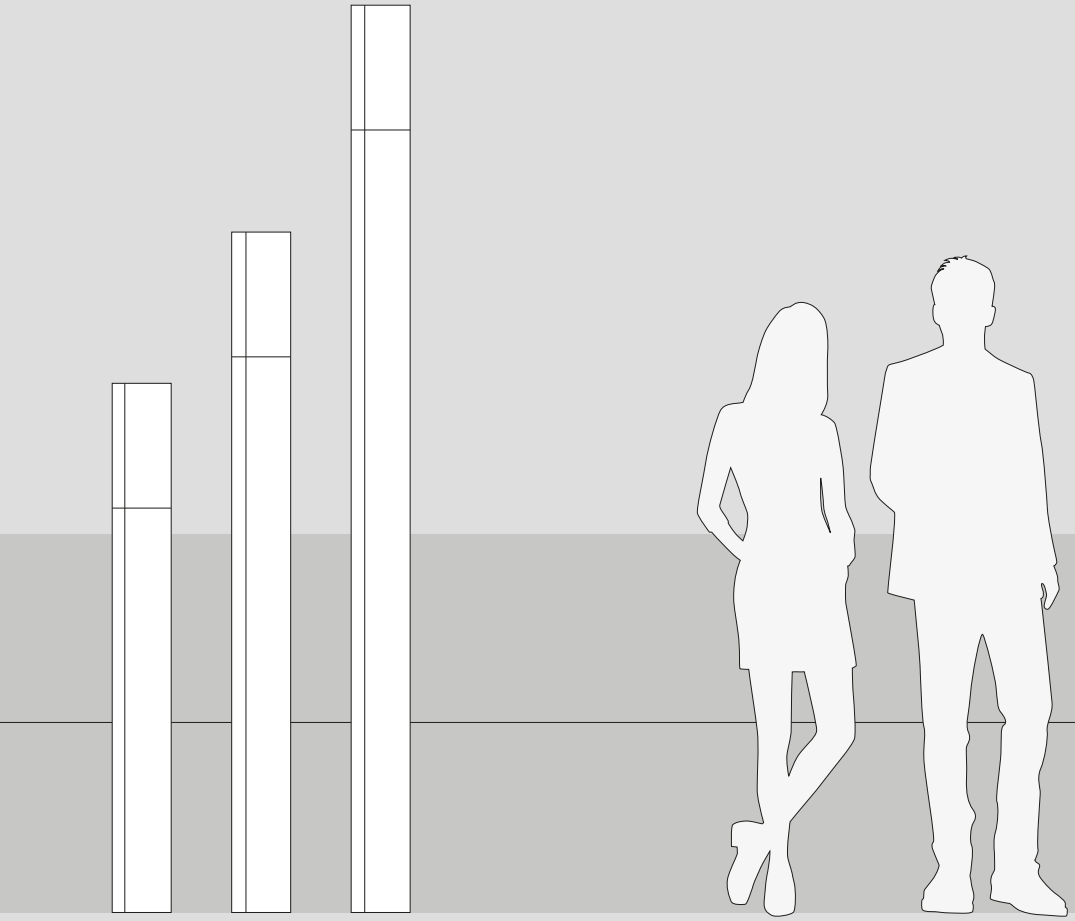


MEGA LAMELLE
Tube-Ø 115

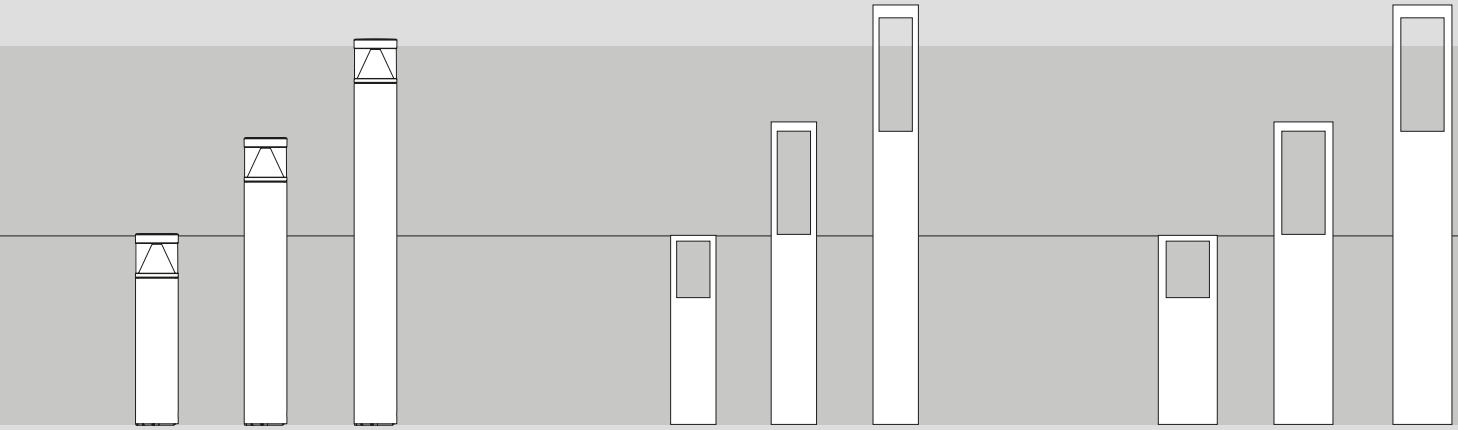
MEGA LAMELLE
Tube-Ø 156

MEGA LATERNE
Tube-Ø 115

MEGA LATERNE
Tube-Ø 115



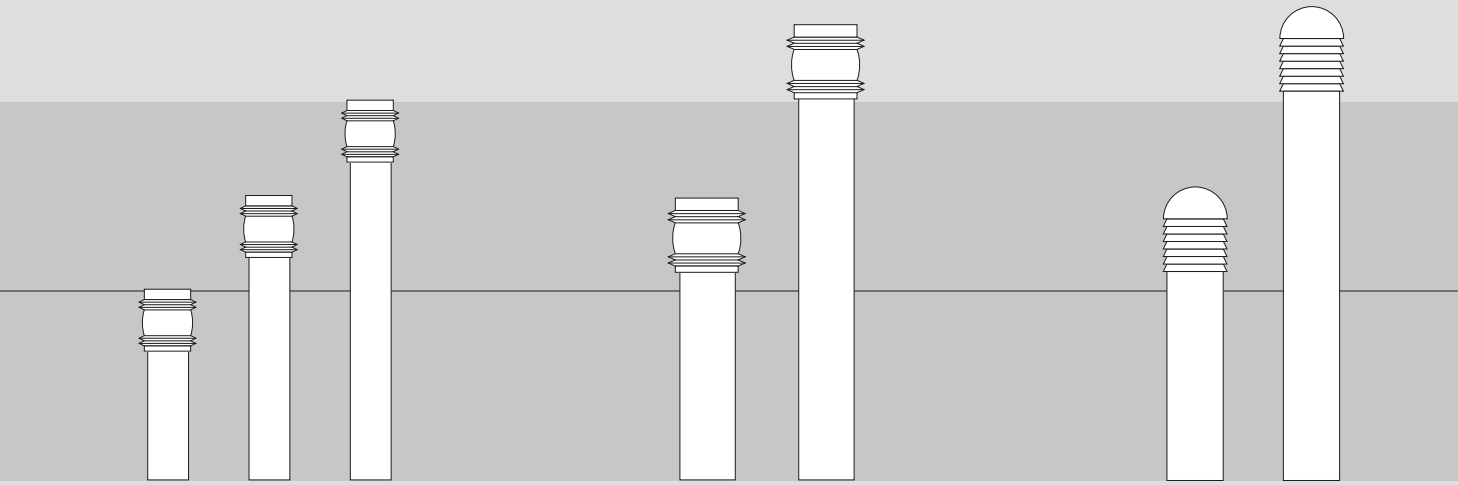
MEGA SQUARE
Tube-□ 156 x 156



MEGA CONE
Tube-Ø 115

BOCARO
Tube-□ 120 x 120

BOCARO
Tube-□ 156 x 156



MEGA GÜRTELLINSE
Tube-Ø 115

MEGA GÜRTELLINSE
Tube-Ø 156

MEGA GLASPOLLER
Tube-Ø 156

BOCARO®

Everything at a glance



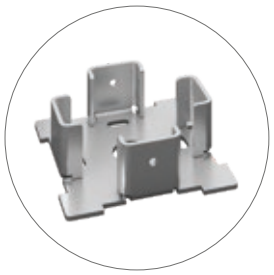
Highly efficient mains voltage LED, exchangeable.

Single pane safety glass (tempered glass) as a protection cover.

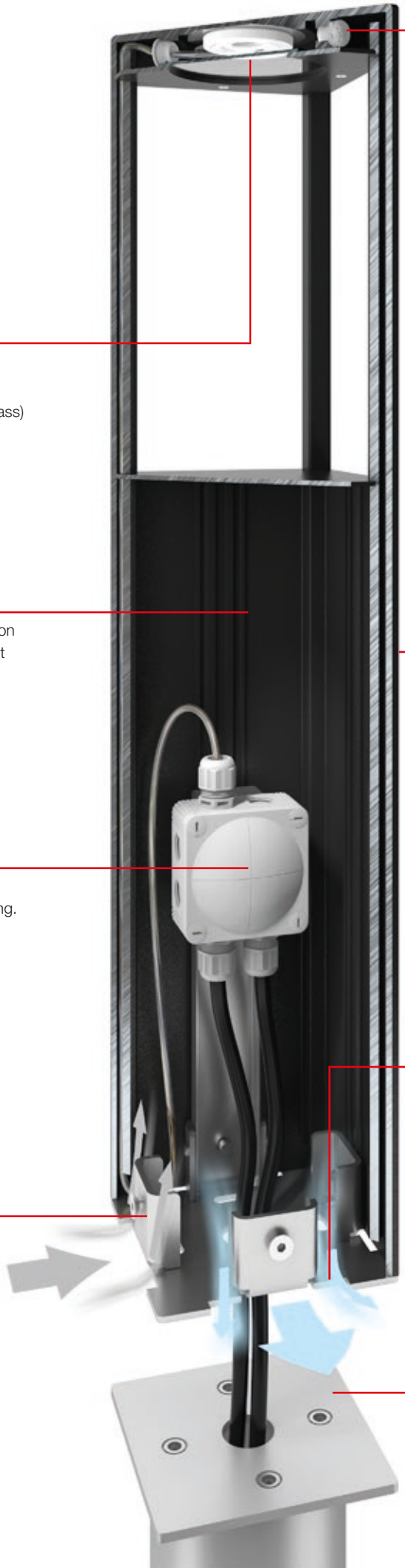
Square cross section made of corrosion resistant aluminium (seawater resistant powder-coated).

IP66

Connection box **IP 66** on base, max. 2 x 3 x 2,5 mm² for through wiring.



Exceedingly sturdy design thanks to stainless steel fixing base (fastening with 4 screws) and integrated columns in the profile cross section.



with Gore™ Protective Vents diaphragm valve to avoid condensed water.



E-Charging

From light to charging:

BOCARO is also available with an integrated charging module for electric cars.

www.rzb-energy.com

Ventilation slots for heat sink to avoid waterlogging in the luminaire tube.



Buried base made of aluminium, press nuts made of stainless steel.



© Caroline Feraud

The application image shows:
BOCARO



BOCARO®

Bollards

ARCHITECTURE

- **Applicable:** Bollard for public areas such as paths, squares, parks or car parking areas.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.
- **Long service life:** Seawater resistant coating.

LIGHTING DESIGN

- **Advantageous:** Smart and cost-saving LED modules for mains voltage on high efficiency level applied for energy saving operation.
- **Clever:** E-Charging-Module

INSTALLATION

- **Robust:** Exceedingly sturdy design thanks to stainless steel fixing base and integrated columns in the profile cross section.
- **Straightforward:** Suitable for through-wiring.



Further luminaires of this series, see:
Outdoor lighting | Pole luminaires

Light + Charge

The hybrid solution for light and charging station

RZB is actively shaping the change in mobility: Light for charging, charging in light. Robust products that have withstood wind and weather for decades as pure outdoor luminaires have been supplemented with the latest in charging technology.

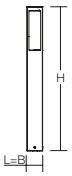
Find out more at www.rzb-energy.com

reddot winner 2023
urban design



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Bollards | BOCARO





Type of protection: **IP 66**
Protection class: I
Impact protection: IK06

Luminaire tube made of corrosion resistant aluminium with pressure die-cast aluminium cover, seawater resistant powder-coated. With recessed stainless steel fixing bracket. LED protection cover made of clear toughened safety glass. With mains voltage LED module. Connection box on base, max. 2 x 3 x 2.5 mm^2 for through wiring.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Bollards - Luminaire tube 120 x 120 mm						**Price Category 12**
Height H 500 mm						
611986.00X *	L 120, B 120, H 500	830	1700	20	85	Phase-cut
611986.00X.1 *	L 120, B 120, H 500	840	1750	20	88	Phase-cut
Height H 800 mm						
611987.00X *	L 120, B 120, H 800	830	1850	20	93	Phase-cut
611987.00X.1 *	L 120, B 120, H 800	840	1900	20	95	Phase-cut
Height H 1100 mm						
611988.00X *	L 120, B 120, H 1100	830	1900	20	95	Phase-cut
611988.00X.1 *	L 120, B 120, H 1100	840	1950	20	98	Phase-cut
Bollards - Luminaire tube 156 x 156 mm						**Price Category 12**
Height H 500 mm						
611989.00X *	L 156, B 156, H 500	830	1600	20	80	Phase-cut
611989.00X.1 *	L 156, B 156, H 500	840	1650	20	83	Phase-cut
Height H 800 mm						
611990.00X *	L 156, B 156, H 800	830	1850	20	93	Phase-cut
611990.00X.1 *	L 156, B 156, H 800	840	1900	20	95	Phase-cut
Height H 1100 mm						
611991.00X *	L 156, B 156, H 1100	830	1900	20	95	Phase-cut
611991.0031.1 .Q*	L 156, B 156, H 1100	840	1950	20	98	Phase-cut
611991.004.1 *	L 156, B 156, H 1100	840	1950	20	98	Phase-cut

* With mains voltage LED

Comparison
LED vs. conventional lamps

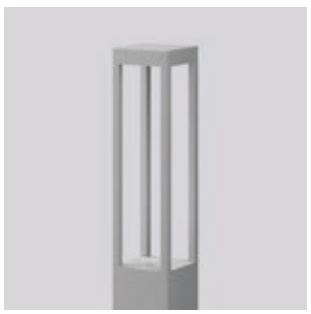
LED 20 W ≈
1 x 150 W A60 (150 W Psys)
1 x 42 W TC-TEL (47 W Psys)

Aluminium buried base with anti-sink protection and fixing set			Price Category 12
982103.010	L 120, B 120, H 401	Luminaire tube 120 x 120 mm	
982155.010	L 156, B 156, H 401	Luminaire tube 156 x 156 mm	









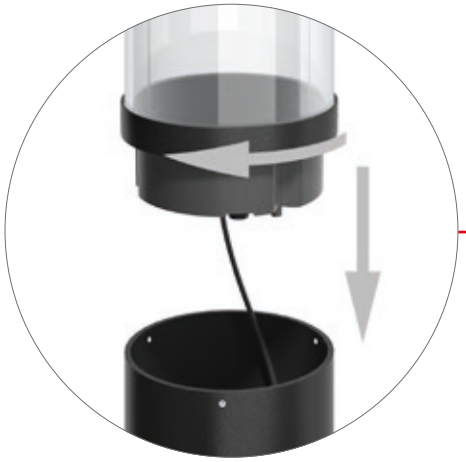
LUPALO®

Everything at a glance

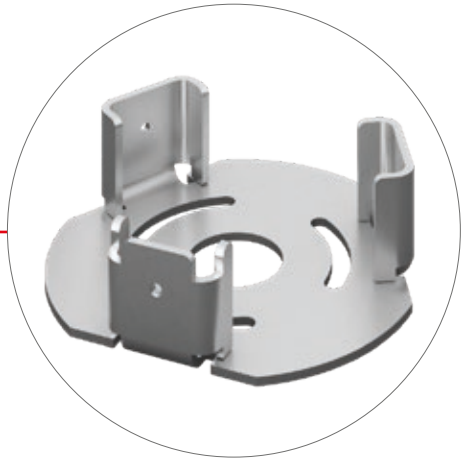
Extensively equipped with numerous features that ensure targeted lighting with efficient and lasting performance.



Elegant-looking power supply via delicate steel cables between converter and LED, thus reducing shadows.



For maintenance the sealed luminaire head can be replaced quickly and safely as a complete module with a bayonet lock.



Elongated holes in the base for subsequent and simple alignment of the luminaire, especially with asymmetrically wide distribution along a pathway.

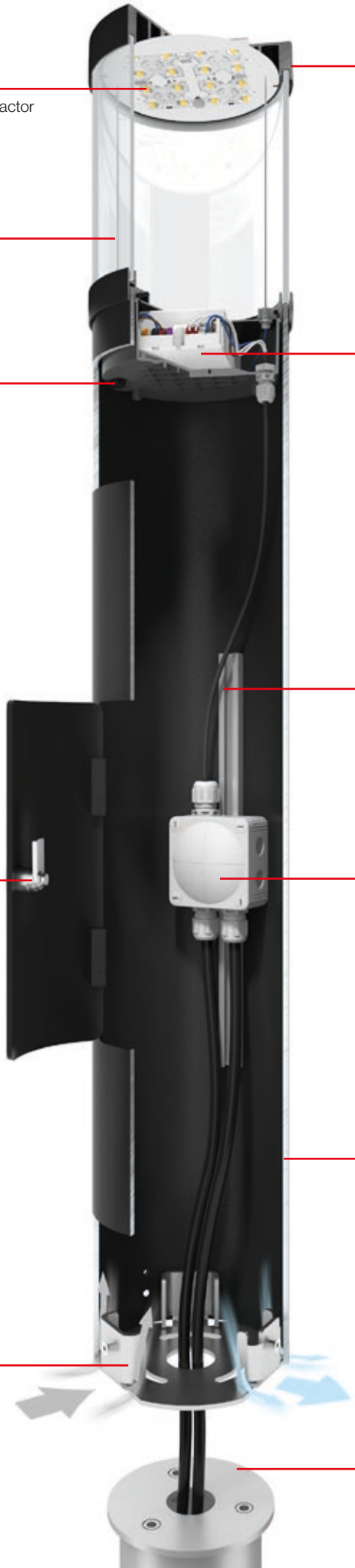


E-Charging

From light to charging:

LUPALO is also available with an integrated charging module for electric cars.

www.rzb-energy.com



Multi-chip LED with high-performance refractor optics for targeted light distribution on the surfaces to be illuminated.

Non-yellowing glass cylinder for consistently high light transmission.

Membrane valve for pressure equalisation to avoid condensation.

Lockable mast door for easy access to the connection area.

Stable stainless steel fixing plate, hidden in the luminaire tube.

ULR = 0%

Dark Sky
Protection for the environment and insects thanks to tailored light distribution without emitting light in the upper hemisphere thereby no light pollution.

CLO Constant Light Output | DALI | Step DIM | Astro DIM

Control gear integrated in the luminaire.

DALI dimmable, CLO as standard, integrated surge protection and various dim options.

C-track for junction box/fuse box behind the mast door.

IP66

The high protection class (IP66) socket allows easy connection with the option of through wiring.

Luminaire tube made of corrosion-resistant aluminum profile, seawater-resistant powder-coated.

Buried base made of aluminium, press nuts made of stainless steel.



LUPALO®

Bollards

ARCHITECTURE

- **Applicable:** Bollard for public areas such as paths, squares, parks or car parking areas.
- **Dark Sky:** Protects insects and the environment. Avoiding light pollution.
- **Guaranteed:** Non-yellowing glass cylinder for consistently high light transmission.
- **Robust:** The use of low-corrosion aluminium alloys in combination with a two-layer, seawater-resistant coating and stainless steel fastening and connecting elements ensures durability.

LIGHTING DESIGN

- **Efficient:** Multi-chip LED with high-performance refractor optics.
- **Long service life:** LED rated life 100000 h (L_{CLO}) at 25°C ambient temperature.
- **Standard:** Control gear with integrated surge protection up to 10 kV.
- **Configurable:** Different dim options are possible on request.
- **Clever:** E-Charging-Module

INSTALLATION

- **Flexible:** Modular design for combining different luminaire head and tube variants as required.
- **Easy installation:** Delivered with pre-installed connecting cable.
- **Safe:** Membrane valve to prevent condensation.



Further luminaires of this series, see:
Outdoor lighting | Pole luminaires

Light + Charge

The hybrid solution for light and charging station

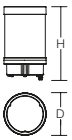
RZB is actively shaping the change in mobility: Light for charging, charging in light. Robust products that have withstood wind and weather for decades as pure outdoor luminaires have been supplemented with the latest in charging technology.

Find out more at www.rzb-energy.com



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Bollards | LUPALO POLLER - Luminaire head





Type of protection: **IP 65**
Protection class: II

Modular bollard luminaires consisting of luminaire head and tube. Luminaire head made of corrosion resistant die-cast aluminium, seawater resistant powder-coated, stainless steel screws. Diffuser: glass, transparent. Multi-chip LED with high-performance refractor optics. Converter integrated in the luminaire head. Elegant-looking power supply via delicate steel cables between converter and LED. With membrane valve to avoid condensation. With C-track for junction box / fuse box behind the mast door. Connection box on base, max. 2 x 3 x 2.5 mm^2 for through wiring.

Please order fuse box separately.

Modular design: please remember to order the luminaire tube separately for each luminaire head.

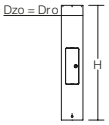
Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Bollards - Luminaire head						**Price Category 12**
Symmetrical light distribution for area lighting						
982705.00X	D 187, H 322	730	3900	36	108	DALI
982705.00X.1	D 187, H 322	740	4150	36	115	DALI
Asymmetrical light distribution						
982705.01X	D 187, H 322	730	3500	36	97	DALI
982705.01X.1	D 187, H 322	740	3700	36	103	DALI

Comparison
LED vs. conventional lamps

LED 36 W ≈
1 x 57 W TC-TEL (59 W Psys)

Modules | LUPALO - Luminaire tube





Luminaire tube made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. With C-track for junction box / fuse box behind the mast door. The robust stainless steel mounting base ensures long-term stability. Elongated holes in the base for subsequent and simple alignment of the luminaire, especially with asymmetrically wide distribution along a pathway. Connection box on base, max. 2 x 3 x 2.5 mm^2 for through wiring.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	
Module - Luminaire tube with base plate		**Price Category 12**
612363.00X	D 180, H 957	
612364.00X *	D 180, H 1150	

* Height matching the LUPALO charging unit (RZB Energy)





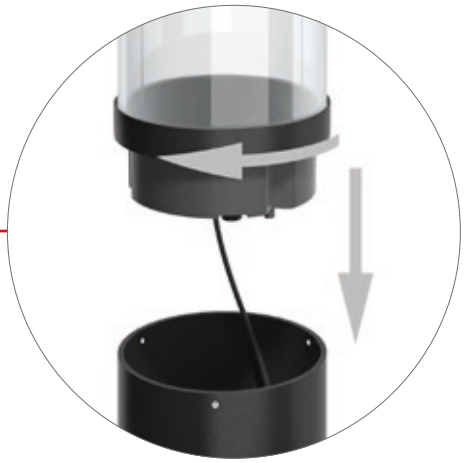




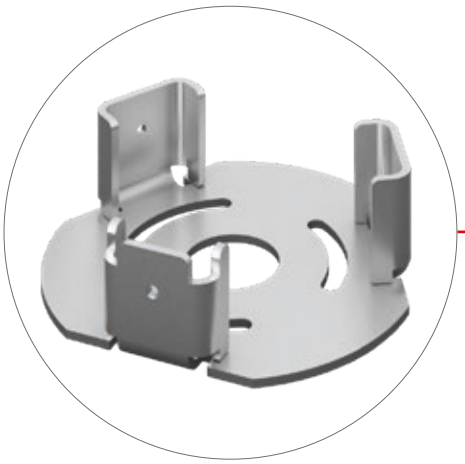
LUPALO® LATERNE / TOWER

Everything at a glance

Basic versions of the stable bollard light for public areas. Ready for connection, equipped with all relevant basic features that bring light into the dark.



For maintenance the sealed luminaire head can be replaced quickly and safely as a complete module with a bayonet lock.



Elongated holes in the base for subsequent and simple alignment of the luminaire.



Optional cable junction box can be installed for use in public areas.

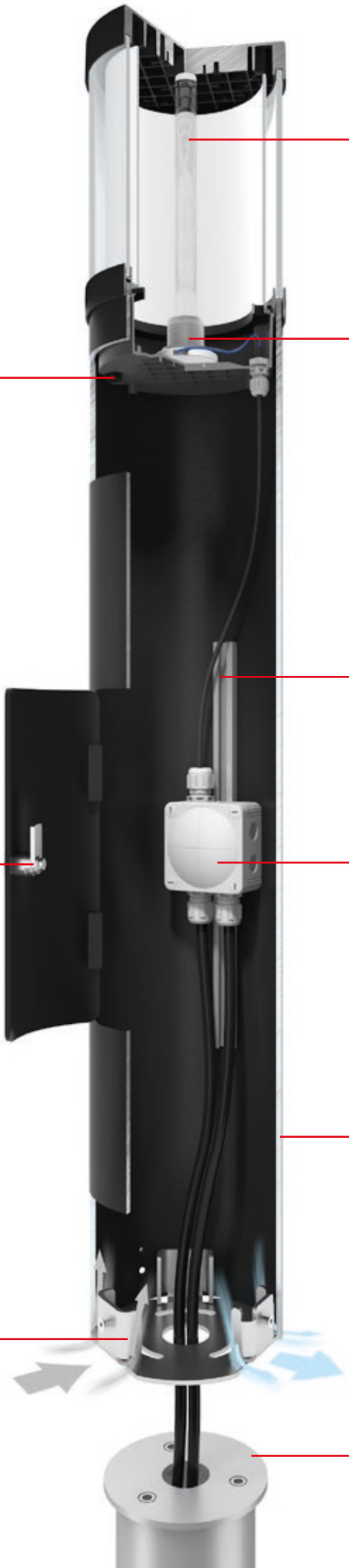


E-Charging

From light to charging:

LUPALO is also available with an integrated charging module for electric cars.

www.rzb-energy.com



A light transmission bar made of highly transparent, clear plastic (PMMA) with lasered optical structure diverts the light horizontally, ensuring optimum and even light distribution on the floor.

The use of state-of-the-art LED technology allows reduced energy consumption and a long LED service life.

Membrane valve for pressure equalisation to avoid condensation.

C-track for junction box/fuse box behind the mast door.

IP66

Lockable mast door for easy access to the connection area.

The high protection class (IP66) socket allows easy connection with the option of through wiring.

Luminaire tube made of corrosion-resistant aluminum profile, seawater-resistant powder-coated.

Stable stainless steel fixing plate, hidden in the luminaire tube.

Buried base made of aluminium, press nuts made of stainless steel.



Phase-cut | E-Charging | IP65

LUPALO®

Bollards

ARCHITECTURE

- **Applicable:** Bollard for public areas such as paths, squares, parks or car parking areas.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components. Not a disposable luminaire.
- **Robust:** The use of low-corrosion aluminium alloys in combination with a two-layer, seawater-resistant coating and stainless steel fastening and connecting elements ensures durability.

LIGHTING DESIGN

- **Efficient:** The high quality LED optics provide balanced brightness while minimising energy consumption.
- **Versatile:** Non-yellowing opal glass cylinder, or clear glass cylinder with translucent glare suppression louvres.

INSTALLATION

- **Flexible:** Modular design for combining different luminaire head and tube variants as required.
- **Easy installation:** Delivered with pre-installed connecting cable.
- **Safe:** Membrane valve to prevent condensation.

Light + Charge

The hybrid solution for light and charging station

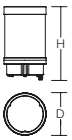
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Find out more at www.rzb-energy.com



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Bollards | LUPALO LATERNE - Luminaire head





Type of protection: **IP 65**
Protection class: I

Modular bollard luminaires consisting of luminaire head and tube. Luminaire head made of corrosion resistant die-cast aluminium, seawater resistant powder-coated, stainless steel screws. Luminaire head made of die cast aluminium, powder coated, with opal cylinder (glass). With mains voltage LED module. With membrane valve to avoid condensation. With C-track for junction box / fuse box behind the mast door. Connection box on base, max. 2 x 3 x 2.5 mm^2 for through wiring.

Please order fuse box separately.

Modular design: please remember to order the luminaire tube separately for each luminaire head.

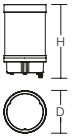
Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Bollards - Luminaire head						**Price Category 12**
982706.00X	D 187, H 326	830	650	20	33	Phase-cut
982706.00X.1	D 187, H 326	840	650	20	33	Phase-cut

Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 57 W QA60 (57 W Psys)
1 x 18 W TC-D (26 W Psys)

Bollards | LUPALO TOWER - Luminaire head





Type of protection: **IP 65**
Protection class: I

Modular bollard luminaires consisting of luminaire head and tube. Luminaire head made of corrosion resistant die-cast aluminium, seawater resistant powder-coated, stainless steel screws. Luminaire head made of corrosion-resistant pressure die-cast aluminium, powder coated, with transparent cylinder (glass) and translucent anti-glare louvres. With mains voltage LED module. With membrane valve to avoid condensation. With C-track for junction box / fuse box behind the mast door. Connection box on base, max. 2 x 3 x 2.5 mm^2 for through wiring.

Please order fuse box separately.

Modular design: please remember to order the luminaire tube separately for each luminaire head.

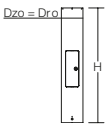
Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Bollards - Luminaire head						**Price Category 12**
982707.00X	D 187, H 326	830	810	20	41	Phase-cut
982707.00X.1	D 187, H 326	840	870	20	44	Phase-cut

Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 77 W QA60 (77 W Psys)
1 x 18 W TC-D (26 W Psys)

Modules | LUPALO - Luminaire tube





Luminaire tube made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. With C-track for junction box / fuse box behind the mast door. The robust stainless steel mounting base ensures long-term stability. Elongated holes in the base for subsequent and simple alignment of the luminaire, especially with asymmetrically wide distribution along a pathway. Connection box on base, max. 2 x 3 x 2.5 mm^2 for through wiring.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]
Module - Luminaire tube with base plate	**Price Category 12**
612363.00X	D 180, H 957
612364.00X *	D 180, H 1150

* Height matching the LUPALO charging unit (RZB Energy)



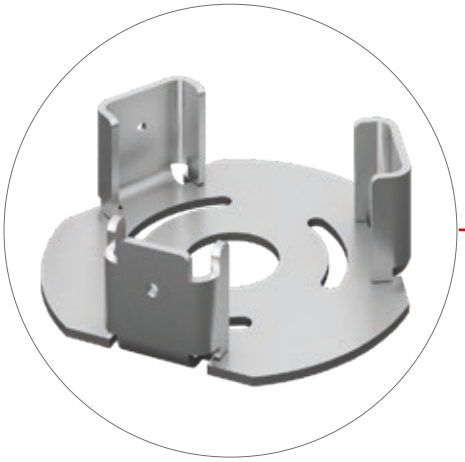
MEGA

Everything at a glance

With their slender design, the attractive light columns of the Mega range make graceful and yet powerful light statements. Various installation depths guarantee optimum integration in the architecture. The different luminaire heads distinguish themselves with a high level of light comfort, as well as achieving maximum clearance when complying with the relevant lighting regulations.



Lockable bayonet connection for quick and easy maintenance / replacement.



Elongated holes in the base for subsequent and simple alignment of the luminaire.



Non-corrosive luminaire insert made of mould-cast dual compound thermoplastic with integral TP gasket.



A light transmission bar made of highly transparent, clear plastic (PMMA) with lasered optical structure diverts the light horizontally, ensuring optimum and even light distribution on the floor.

The use of state-of-the-art LED technology allows reduced energy consumption and a long LED service life.

Membrane valve for pressure equalisation to avoid condensation.

Luminaire tube made of corrosion-resistant aluminum profile, seawater-resistant powder-coated.

IP66

The high protection class (IP 66) socket allows easy connection with the option of through wiring.

Stable stainless steel fixing plate, hidden in the luminaire tube.

Buried base made of aluminium, press nuts made of stainless steel.



MEGA

Bollards

ARCHITECTURE

- **Applicable:** Bollard for public areas such as paths, squares, parks or car parking areas.
- **Extensive:** Wall luminaires and bollards.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.
- **Robust:** The use of low-corrosion aluminium alloys in combination with a two-layer, seawater-resistant coating and stainless steel fastening and connecting elements ensures durability.

LIGHTING DESIGN

- **Efficient:** The high quality LED optics provide balanced brightness while minimising energy consumption.
- **Versatile:** 9 luminaire heads, 2 versions.
- **Expressive:** Luminaire head in glass or plastic for different lighting effects and design options.
- **Long service life:** High type of protection: IP 65.

INSTALLATION

- **Straightforward:** Suitable for through-wiring.
- **Safe:** Membrane valve to prevent condensation.
- **Connected:** Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Further luminaires of this series, see:
Outdoor lighting | Wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



The application image shows:
MEGA TOWER
GONIA

© Linus Lintner

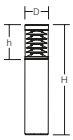


Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 77 W QA60 (77 W Psys)
1 x 18 W TC-D (26 W Psys)

LED 18 W ≈
1 x 116 W QA60 (116 W Psys)
1 x 32 W TC-TEL (36 W Psys)

Bollards | MEGA TOWER F



Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Luminaire tube made of corrosion-resistant aluminium profile, powder-coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Luminaire head made of corrosion-resistant pressure die-cast aluminium, powder-coated, with transparent cylinder (glass) and translucent anti-glare louvres. With membrane valve to avoid condensation. Connection box on base, max. 2 x 3 x 2.5 mm² / 2 x 5 x 2.5 mm² for through wiring.

Luminaire tube versions Ø 115 mm: DALI / Casambi smart+free with factory-fitted connecting cable, please order connecting accessories separately.

Available colours (X): 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control	
Bollards - Luminaire tube Ø 115 mm							**Price Category 12**
Height H 500 mm, h 168 mm							
611992.00X	D 115, H 500	830	880	10	88	on/off	
611992.00X.1	D 115, H 500	840	920	10	92	on/off	
Height H 750 mm, h 168 mm							
612146.00X	D 115, H 750	830	880	10	88	on/off	
612146.00X.76	D 115, H 750	830	880	10	88	DALI	
612146.00X.730	D 115, H 750	830	880	10	88	smart+free	
612146.00X.1	D 115, H 750	840	920	10	92	on/off	
612146.00X.1.76	D 115, H 750	840	920	10	92	DALI	
612146.00X.1.730	D 115, H 750	840	920	10	92	smart+free	
Height H 1000 mm, h 168 mm							
611993.00X	D 115, H 1000	830	880	10	88	on/off	✓
611993.00X.76	D 115, H 1000	830	880	10	88	DALI	
611993.00X.730	D 115, H 1000	830	880	10	88	smart+free	
611993.00X.1	D 115, H 1000	840	920	10	92	on/off	✓
611993.00X.1.76	D 115, H 1000	840	920	10	92	DALI	
611993.00X.1.730	D 115, H 1000	840	920	10	92	smart+free	

Bollards - Luminaire tube Ø 156 mm							**Price Category 12**
Height H 750 mm, h 235 mm							
612342.00X	D 156, H 750	830	1550	18	86	on/off	
612342.00X.76	D 156, H 750	830	1550	18	86	DALI	
612342.00X.730	D 156, H 750	830	1550	18	86	smart+free	
612342.00X.1	D 156, H 750	840	1600	18	89	on/off	
612342.00X.1.76	D 156, H 750	840	1600	18	89	DALI	
612342.00X.1.730	D 156, H 750	840	1600	18	89	smart+free	
Height H 1200 mm, h 235 mm							
612376.00X	D 156, H 1200	830	1550	18	86	on/off	
611998.00X.76	D 156, H 1200	830	1550	18	86	DALI	
611998.00X.730	D 156, H 1200	830	1550	18	86	smart+free	
612376.00X.1	D 156, H 1200	840	1600	18	89	on/off	
611998.00X.1.76	D 156, H 1200	840	1600	18	89	DALI	
611998.00X.1.730	D 156, H 1200	840	1600	18	89	smart+free	



Aluminium buried base with anti-sink protection and fixing set			**Price Category 12**
982103.000	D 115, H 401	Luminaire tube Ø 115 mm	
982155.000	D 153, H 396	Luminaire tube Ø 156 mm	

Junction box H with strain relief			**Price Category 12**
982981.003	L 175, B 62, H 35	Max. 5 x 4 mm² and cable diameter Ø 9 - 13.5 mm. 1 x In / 2 x Out.	

Round clip with strain relief			**Price Category 12**
982974.003	D 23, L 89,	Max. 5 x 1.5 mm² and cable diameter Ø 5 - 12 mm.	





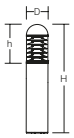


✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Bollards | MEGA TOWER R





Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Luminaire tube made of corrosion-resistant aluminium profile, powder-coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Luminaire head made of corrosion-resistant pressure die-cast aluminium, powder-coated, with transparent cylinder (glass) and translucent anti-glare louvres. With membrane valve to avoid condensation. Connection box on base, max. 2 x 3 x 2.5 mm² / 2 x 5 x 2.5 mm² for through wiring.

Luminaire tube versions Ø 115 mm: DALI / Casambi smart+free with factory-fitted connecting cable, please order connecting accessories separately.

Available colours (X): 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 77 W QA60 (77 W Psys)
1 x 18 W TC-D (26 W Psys)

LED 18 W ≈
1 x 116 W QA60 (116 W Psys)
1 x 32 W TC-TEL (36 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Bollards - Luminaire tube Ø 115 mm						**Price Category 12**
Height H 550 mm, h 205 mm						
611994.00X	D 115, H 550	830	880	10	88	on/off
611994.00X.1	D 115, H 550	840	920	10	92	on/off
Height H 800 mm, h 205 mm						
612147.00X	D 115, H 800	830	880	10	88	on/off
612147.00X.76	D 115, H 800	830	880	10	88	DALI
612147.00X.730	D 115, H 800	830	880	10	88	smart+free
612147.00X.1	D 115, H 800	840	920	10	92	on/off
612147.00X.1.76	D 115, H 800	840	920	10	92	DALI
612147.00X.1.730	D 115, H 800	840	920	10	92	smart+free
Height H 1050 mm, h 205 mm						
611995.00X	D 115, H 1050	830	880	10	88	on/off
611995.00X.76	D 115, H 1050	830	880	10	88	DALI
611995.00X.730	D 115, H 1050	830	880	10	88	smart+free
611995.00X.1	D 115, H 1050	840	920	10	92	on/off
611995.00X.1.76	D 115, H 1050	840	920	10	92	DALI
611995.00X.1.730	D 115, H 1050	840	920	10	92	smart+free
Bollards - Luminaire tube Ø 156 mm						**Price Category 12**
Height H 750 mm, h 285 mm						
612343.00X	D 156, H 750	830	1550	18	86	on/off
612343.00X.76	D 156, H 750	830	1550	18	86	DALI
612343.00X.730	D 156, H 750	830	1550	18	86	smart+free
612343.00X.1	D 156, H 750	840	1600	18	89	on/off
612343.00X.1.76	D 156, H 750	840	1600	18	89	DALI
612343.00X.1.730	D 156, H 750	840	1600	18	89	smart+free
Height H 1250 mm, h 285 mm						
612377.00X	D 156, H 1250	830	1550	18	86	on/off
612114.00X.76	D 156, H 1250	830	1550	18	86	DALI
612114.00X.730	D 156, H 1250	830	1550	18	86	smart+free
612377.00X.1	D 156, H 1250	840	1600	18	89	on/off
612114.00X.1.76	D 156, H 1250	840	1600	18	89	DALI
612114.00X.1.730	D 156, H 1250	840	1600	18	89	smart+free



Aluminium buried base with anti-sink protection and fixing set			**Price Category 12**
982103.000	D 115, H 401	Luminaire tube Ø 115 mm	
982155.000	D 153, H 396	Luminaire tube Ø 156 mm	

Junction box H with strain relief			**Price Category 12**
982981.003	L 175, B 62, H 35	Max. 5 x 4 mm² and cable diameter Ø 9 - 13.5 mm. 1 x In / 2 x Out.	

Round clip with strain relief			**Price Category 12**
982974.003	D 23, L 89,	Max. 5 x 1.5 mm² and cable diameter Ø 5 - 12 mm.	





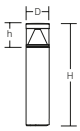




Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 77 W QA60 (77 W Psys)
1 x 18 W TC-D (26 W Psys)

Bollards | MEGA CONE



Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Luminaire tube made of corrosion-resistant aluminium profile, powder-coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Luminaire head made of corrosion-resistant pressure die-cast aluminium, powder-coated, with clear glass cylinder and conical reflector. With membrane valve to avoid condensation. Connection box on base, max. 2 x 3 x 2.5 mm² for through wiring. Connection box on base, max. 2 x 3 x 2.5 mm² / 2 x 5 x 2.5 mm² for through wiring.

DALI / Casambi smart+free with factory-fitted connecting cable, please order connecting accessories separately.

Available colours (X): 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Control	
Bollards - Luminaire tube Ø 115 mm							**Price Category 12**
Height H 505 mm, h 118 mm							
612161.00X	D 115, H 505	830	770	10	77	on/off	
612161.00X.1	D 115, H 505	840	800	10	80	on/off	
Height H 710 mm, h 118 mm							
612162.00X	D 115, H 710	830	770	10	77	on/off	
612162.00X.76	D 115, H 710	830	770	10	77	DALI	
612162.00X.730	D 115, H 710	830	770	10	77	smart+free	
612162.00X.1	D 115, H 710	840	800	10	80	on/off	
612162.00X.1.76	D 115, H 710	840	800	10	80	DALI	
612162.00X.1.730	D 115, H 710	840	800	10	80	smart+free	
Height H 1035 mm, h 118 mm							
612163.00X	D 115, H 1035	830	770	10	77	on/off	✓
612163.00X.76	D 115, H 1035	830	770	10	77	DALI	
612163.00X.730	D 115, H 1035	830	770	10	77	smart+free	
612163.00X.1	D 115, H 1035	840	800	10	80	on/off	✓
612163.00X.1.76	D 115, H 1035	840	800	10	80	DALI	
612163.00X.1.730	D 115, H 1035	840	800	10	80	smart+free	



Aluminium buried base with anti-sink protection and fixing set			**Price Category 12**
982103.000	D 115, H 401	Luminaire tube Ø 115 mm	

Junction box H with strain relief			**Price Category 12**
982981.003	L 175, B 62, H 35	Max. 5 x 4 mm² and cable diameter Ø 9 - 13.5 mm. 1 x In / 2 x Out.	

Round clip with strain relief			**Price Category 12**
982974.003	D 23, L 89,	Max. 5 x 1.5 mm² and cable diameter Ø 5 - 12 mm.	

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This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

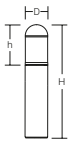






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Bollards | MEGA LATERNE R





Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Luminaire tube made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Luminaire head made of die cast aluminium, powder coated, with opal cylinder (glass). With membrane valve to avoid condensation. Connection box on base, max. 2 x 3 x 2.5 mm² / 2 x 5 x 2.5 mm² for through wiring.

DALI / Casambi smart+free with factory-fitted connecting cable, please order connecting accessories separately.

Available colours (X): 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 57 W QA60 (57 W Psys)
1 x 18 W TC-D (26 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Bollards - Luminaire tube Ø 115 mm						**Price Category 12**
Height H 550 mm, h 205 mm						
611996.00X	D 115, H 550	830	640	10	64	on/off
611996.00X.1	D 115, H 550	840	660	10	66	on/off
612115.00X	D 115, H 550	1 x QA60 (klar) max. 57 W				on/off
Height H 800 mm, h 205 mm						
612149.00X	D 115, H 800	830	640	10	64	on/off
612149.00X.76	D 115, H 800	830	640	10	64	DALI
612149.00X.730	D 115, H 800	830	640	10	64	smart+free
612149.00X.1	D 115, H 800	840	660	10	66	on/off
612149.00X.1.76	D 115, H 800	840	660	10	66	DALI
612149.00X.1.730	D 115, H 800	840	660	10	66	smart+free
612148.00X	D 115, H 800	1 x QA60 (klar) max. 57 W				on/off
Height H 1050 mm, h 205 mm						
612117.00X	D 115, H 1050	830	640	10	64	on/off
612117.00X.76	D 115, H 1050	830	640	10	64	DALI
612117.00X.730	D 115, H 1050	830	640	10	64	smart+free
612117.00X.1	D 115, H 1050	840	660	10	66	on/off
612117.00X.1.76	D 115, H 1050	840	660	10	66	DALI
612117.00X.1.730	D 115, H 1050	840	660	10	66	smart+free
612116.00X	D 115, H 1050	1 x QA60 (klar) max. 57 W				on/off



Aluminium buried base with anti-sink protection and fixing set			**Price Category 12**
982103.000	D 115, H 401	Luminaire tube Ø 115 mm	

Junction box H with strain relief			**Price Category 12**
982981.003	L 175, B 62, H 35	Max. 5 x 4 mm² and cable diameter Ø 9 - 13.5 mm. 1 x In / 2 x Out.	

Round clip with strain relief			**Price Category 12**
982974.003	D 23, L 89,	Max. 5 x 1.5 mm² and cable diameter Ø 5 - 12 mm.	





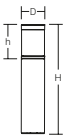




Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 57 W QA60 (57 W Psys)
1 x 18 W TC-D (26 W Psys)

Bollards | MEGA LATERNE F



Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Luminaire tube made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Luminaire head made of die cast aluminium, powder coated, with opal cylinder (glass). With membrane valve to avoid condensation. Connection box on base, max. 2 x 3 x 2.5 mm² / 2 x 5 x 2.5 mm² for through wiring.

DALI / Casambi smart+free with factory-fitted connecting cable, please order connecting accessories separately.

Available colours (X): 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Bollards - Luminaire tube Ø 115 mm						**Price Category 12**
Height H 500 mm, h 168 mm						
612164.00X	D 115, H 500	830	640	10	64	on/off
612164.00X.1	D 115, H 500	840	660	10	66	on/off
612165.00X	D 115, H 500	1 x QA60 (klar) max. 57 W				on/off
Height H 750 mm, h 168 mm						
612166.00X	D 115, H 750	830	640	10	64	on/off
612166.00X.76	D 115, H 750	830	640	10	64	DALI
612166.00X.730	D 115, H 750	830	640	10	64	smart+free
612166.00X.1	D 115, H 750	840	660	10	66	on/off
612166.00X.1.76	D 115, H 750	840	660	10	66	DALI
612166.00X.1.730	D 115, H 750	840	660	10	66	smart+free
612167.00X	D 115, H 750	1 x QA60 (klar) max. 57 W				on/off
Height H 1000 mm, h 168 mm						
612168.00X	D 115, H 1000	830	640	10	64	on/off
612168.00X.76	D 115, H 1000	830	640	10	64	DALI
612168.00X.730	D 115, H 1000	830	640	10	64	smart+free
612168.00X.1	D 115, H 1000	840	660	10	66	on/off
612168.00X.1.76	D 115, H 1000	840	660	10	66	DALI
612168.00X.1.730	D 115, H 1000	840	660	10	66	smart+free
612169.00X	D 115, H 1000	1 x QA60 (klar) max. 57 W				on/off



Aluminium buried base with anti-sink protection and fixing set			**Price Category 12**
982103.000	D 115, H 401	Luminaire tube Ø 115 mm	

Junction box H with strain relief			**Price Category 12**
982981.003	L 175, B 62, H 35	Max. 5 x 4 mm² and cable diameter Ø 9 - 13.5 mm. 1 x In / 2 x Out.	

Round clip with strain relief			**Price Category 12**
982974.003	D 23, L 89,	Max. 5 x 1.5 mm² and cable diameter Ø 5 - 12 mm.	

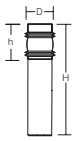






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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Bollards | MEGA GÜRTELLINSE





Type of protection: **IP 65**
Protection class: I
Impact protection: IK02

Luminaire tube made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Mouth-blown luminaire glass, clear, drum lens shape. With membrane valve as a standard to avoid condensed water. Driver integrated. Connection box on base, max. 2 x 3 x 2.5 mm² / 2 x 5 x 2.5 mm² for through wiring.

Luminaire tube versions Ø 115 mm: DALI / Casambi smart+free with factory-fitted connecting cable, please order connecting accessories separately.

Available colours (X): 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 57 W QA60 (57 W Psys)
1 x 18 W TC-D (26 W Psys)

LED 18 W ≈
1 x 46 W QA60 (46 W Psys)
1 x 13 W TC-D (19 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Bollards - Luminaire tube Ø 115 mm						**Price Category 12**
Height H 500 mm, h 165 mm						
611882.00X	D 140, H 500	830	490	10	49	on/off
611882.00X.1	D 140, H 500	840	510	10	51	on/off
611885.00X	D 140, H 500	1 x QA60 (klar) max. 57 W				on/off
Height H 750 mm, h 165 mm						
611883.00X	D 140, H 750	830	490	10	49	on/off
611883.00X.76	D 140, H 750	830	490	10	49	DALI
611883.00X.730	D 140, H 750	830	490	10	49	smart+free
611883.00X.1	D 140, H 750	840	510	10	51	on/off
611883.00X.1.76	D 140, H 750	840	510	10	51	DALI
611883.00X.1.730	D 140, H 750	840	510	10	51	smart+free
611886.00X	D 140, H 750	1 x QA60 (klar) max. 57 W				on/off
Height H 1000 mm, h 165 mm						
611884.00X	D 140, H 1000	830	490	10	49	on/off
611884.00X.76	D 140, H 1000	830	490	10	49	DALI
611884.00X.730	D 140, H 1000	830	490	10	49	smart+free
611884.00X.1	D 140, H 1000	840	510	10	51	on/off
611884.00X.1.76	D 140, H 1000	840	510	10	51	DALI
611884.00X.1.730	D 140, H 1000	840	510	10	51	smart+free
611887.00X	D 140, H 1000	1 x QA60 (klar) max. 57 W				on/off



Bollards - Luminaire tube Ø 156 mm						**Price Category 12**
Height H 750 mm, h 196 mm						
612344.00X	D 179, H 750	830	920	18	51	on/off
612344.00X.76	D 179, H 750	830	920	18	51	DALI
612344.00X.730	D 179, H 750	830	920	18	51	smart+free
612344.00X.1	D 179, H 750	840	940	18	52	on/off
612344.00X.1.76	D 179, H 750	840	940	18	52	DALI
612344.00X.1.730	D 179, H 750	840	940	18	52	smart+free
Height H 1200 mm, h 196 mm						
612374.00X	D 179, H 1200	830	920	18	51	on/off
611969.00X.76	D 179, H 1200	830	920	18	51	DALI
611969.00X.730	D 179, H 1200	830	920	18	51	smart+free
612374.00X.1	D 179, H 1200	840	940	18	52	on/off
611969.00X.1.76	D 179, H 1200	840	940	18	52	DALI
611969.00X.1.730	D 179, H 1200	840	940	18	52	smart+free
611967.00X	D 179, H 1200	1 x QA60 (klar) max. 77 W				on/off



Aluminium buried base with anti-sink protection and fixing set		**Price Category 12**
982103.000	D 115, H 401	Luminaire tube Ø 115 mm
982155.000	D 153, H 396	Luminaire tube Ø 156 mm

Junction box H with strain relief		**Price Category 12**
982981.003	L 175, B 62, H 35	Max. 5 x 4 mm² and cable diameter Ø 9 - 13.5 mm. 1 x In / 2 x Out.

Round clip with strain relief		**Price Category 12**
982974.003	D 23, L 89,	Max. 5 x 1.5 mm² and cable diameter Ø 5 - 12 mm.







Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 77 W QA60 (77 W Psys)
1 x 26 W TC-D (34 W Psys)

LED 18 W ≈
1 x 100 W A60 (100 W Psys)
1 x 26 W TC-D (34 W Psys)

Bollards | MEGA TUBE - Glass



Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Luminaire tube made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Opal glass: mouth-blown, satin finish. With membrane valve to avoid condensation. Connection box on base, max. 2 x 3 x 2.5 mm² / 2 x 5 x 2.5 mm² for through wiring.

Luminaire tube versions Ø 115 mm: DALI / Casambi smart+free with factory-fitted connecting cable, please order connecting accessories separately.

Available colours (X): 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting Control	
Bollards - Luminaire tube Ø 115 mm							**Price Category 12**
Height H 600 mm, h 210 mm							
611872.00X	D 115, H 600	830	860	10	86	on/off	
611872.00X.1	D 115, H 600	840	900	10	90	on/off	
611875.00X	D 115, H 600	1 x QA60 (klar) max. 57 W				on/off	
Height H 800 mm, h 210 mm							
612151.00X	D 115, H 800	830	860	10	86	on/off	
612151.00X.76	D 115, H 800	830	860	10	86	DALI	
612151.00X.730	D 115, H 800	830	860	10	86	smart+free	
612151.00X.1	D 115, H 800	840	900	10	90	on/off	
612151.00X.1.76	D 115, H 800	840	900	10	90	DALI	
612151.00X.1.730	D 115, H 800	840	900	10	90	smart+free	
612150.00X	D 115, H 800	1 x QA60 (klar) max. 57 W				on/off	
Height H 1000 mm, h 210 mm							
612347.00X	D 115, H 1000	830	860	10	86	on/off	✓
612347.00X.76	D 115, H 1000	830	860	10	86	DALI	
612347.00X.730	D 115, H 1000	830	860	10	86	smart+free	
612347.00X.1	D 115, H 1000	840	900	10	90	on/off	✓
612347.00X.1.76	D 115, H 1000	840	900	10	90	DALI	
612347.00X.1.730	D 115, H 1000	840	900	10	90	smart+free	
611876.00X	D 115, H 1000	1 x QA60 (klar) max. 57 W				on/off	
Bollards - Luminaire tube Ø 156 mm							**Price Category 12**
Height H 1400 mm, h 440 mm							
612368.00X	D 156, H 1400	830	1750	18	97	on/off	
611916.00X.76	D 156, H 1400	830	1750	18	97	DALI	
611916.00X.730	D 156, H 1400	830	1750	18	97	smart+free	
612368.00X.1	D 156, H 1400	840	1800	18	100	on/off	
611916.00X.1.76	D 156, H 1400	840	1800	18	100	DALI	
611916.00X.1.730	D 156, H 1400	840	1800	18	100	smart+free	
Height H 1800 mm, h 440 mm							
612369.00X	D 156, H 1800	830	1750	18	97	on/off	
611917.00X.76	D 156, H 1800	830	1750	18	97	DALI	
611917.00X.730	D 156, H 1800	830	1750	18	97	smart+free	
612369.00X.1	D 156, H 1800	840	1800	18	100	on/off	
611917.00X.1.76	D 156, H 1800	840	1800	18	100	DALI	
611917.00X.1.730	D 156, H 1800	840	1800	18	100	smart+free	
Height H 2400 mm, h 440 mm							
612370.00X	D 156, H 2400	830	1750	18	97	on/off	
611918.00X.76	D 156, H 2400	830	1750	18	97	DALI	
611918.00X.730	D 156, H 2400	830	1750	18	97	smart+free	
612370.00X.1	D 156, H 2400	840	1800	18	100	on/off	
611918.00X.1.76	D 156, H 2400	840	1800	18	100	DALI	
611918.00X.1.730	D 156, H 2400	840	1800	18	100	smart+free	

Glass and plastic diffusers are not interchangeable.



Aluminium buried base with anti-sink protection and fixing set			**Price Category 12**
982103.000	D 115, H 401	Luminaire tube Ø 115 mm	
982155.000	D 153, H 396	Luminaire tube Ø 156 mm	
982156.000	D 153, H 600	Luminaire tube Ø 156/180 mm	

Junction box H with strain relief			**Price Category 12**
982981.003	L 175, B 62, H 35	Max. 5 x 4 mm² and cable diameter Ø 9 - 13.5 mm. 1 x In / 2 x Out.	

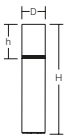
Round clip with strain relief			**Price Category 12**
982974.003	D 23, L 89,	Max. 5 x 1.5 mm² and cable diameter Ø 5 - 12 mm.	

✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Bollards | MEGA TUBE - Plastic





Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Luminaire tube made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Diffuser: plastic (polycarbonate), opal, satin finish With membrane valve to avoid condensation. Connection box on base, max. 2 x 3 x 2.5 mm² / 2 x 5 x 2.5 mm² for through wiring.

Luminaire tube versions Ø 115 mm: DALI / Casambi smart+free with factory-fitted connecting cable, please order connecting accessories separately.

Available colours (X): 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting Control	
Bollards - Luminaire tube Ø 115 mm							**Price Category 12**
Height H 600 mm, h 210 mm							
611913.00X	D 115, H 600	830	1000	10	100	on/off	
611913.00X.1	D 115, H 600	840	1050	10	105	on/off	
Height H 1000 mm, h 210 mm							
612348.00X	D 115, H 1000	830	1000	10	100	on/off	✓
612348.00X.76	D 115, H 1000	830	1000	10	100	DALI	
612348.00X.730	D 115, H 1000	830	1000	10	100	smart+free	
612348.00X.1	D 115, H 1000	840	1050	10	105	on/off	✓
612348.00X.1.76	D 115, H 1000	840	1050	10	105	DALI	
612348.00X.1.730	D 115, H 1000	840	1050	10	105	smart+free	
Bollards - Luminaire tube Ø 156 mm							**Price Category 12**
Height H 1400 mm, h 440 mm							
612371.00X	D 156, H 1400	830	2100	18	117	on/off	
611919.00X.76	D 156, H 1400	830	2100	18	117	DALI	
611919.00X.730	D 156, H 1400	830	2100	18	117	smart+free	
612371.00X.1	D 156, H 1400	840	2150	18	119	on/off	
611919.00X.1.76	D 156, H 1400	840	2150	18	119	DALI	
611919.00X.1.730	D 156, H 1400	840	2150	18	119	smart+free	
Height H 1800 mm, h 440 mm							
612372.00X	D 156, H 1800	830	2100	18	117	on/off	
611920.00X.76	D 156, H 1800	830	2100	18	117	DALI	
611920.00X.730	D 156, H 1800	830	2100	18	117	smart+free	
612372.00X.1	D 156, H 1800	840	2150	18	119	on/off	
611920.00X.1.76	D 156, H 1800	840	2150	18	119	DALI	
611920.00X.1.730	D 156, H 1800	840	2150	18	119	smart+free	
Height H 2400 mm, h 440 mm							
612373.00X	D 156, H 2400	830	2100	18	117	on/off	
611921.00X.76	D 156, H 2400	830	2100	18	117	DALI	
611921.00X.730	D 156, H 2400	830	2100	18	117	smart+free	
612373.00X.1	D 156, H 2400	840	2150	18	119	on/off	
611921.00X.1.76	D 156, H 2400	840	2150	18	119	DALI	
611921.00X.1.730	D 156, H 2400	840	2150	18	119	smart+free	

Glass and plastic diffusers are not interchangeable.

Comparison LED vs. conventional lamps

LED 10 W ≈
1 x 77 W QA60 (77 W Psys)
1 x 26 W TC-D (34 W Psys)

LED 18 W ≈
1 x 150 W QT12 (150 W Psys)
1 x 42 W TC-TEL (47 W Psys)

Aluminium buried base with anti-sink protection and fixing set			Price Category 12
982103.000	D 115, H 401	Luminaire tube Ø 115 mm	
982155.000	D 153, H 396	Luminaire tube Ø 156 mm	
982156.000	D 153, H 600	Luminaire tube Ø 156/180 mm	



Junction box H with strain relief			Price Category 12
982981.003	L 175, B 62, H 35	Max. 5 x 4 mm² and cable diameter Ø 9 - 13.5 mm. 1 x In / 2 x Out.	

Round clip with strain relief			Price Category 12
982974.003	D 23, L 89,	Max. 5 x 1.5 mm² and cable diameter Ø 5 - 12 mm.	





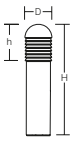


✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.



Bollards | MEGA GLASPOLLER



Type of protection: **IP 65**
Protection class: I
Impact protection: IK03

Luminaire tube made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Opal glass: mouth-blown, satin finish, powder coated metal cap. With membrane valve as a standard to avoid condensed water. Connection box on base, max. 2 x 3 x 2.5 mm² / 2 x 5 x 2.5 mm² for through wiring.

Available colours (X): 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison
LED vs. conventional lamps

LED 18 W ≈
1 x 77 W QA60 (77 W Psys)
1 x 26 W TC-D (34 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Bollards - Luminaire tube Ø 156 mm						**Price Category 12**
Height H 750 mm, h 232 mm						
612345.00X	D 156, H 750	830	830	18	46	on/off
612345.00X.76	D 156, H 750	830	830	18	46	DALI
612345.00X.730	D 156, H 750	830	830	18	46	smart+free
612345.00X.1	D 156, H 750	840	850	18	47	on/off
612345.00X.1.76	D 156, H 750	840	850	18	47	DALI
612345.00X.1.730	D 156, H 750	840	850	18	47	smart+free
Height H 1200 mm, h 232 mm						
611973.00X.76	D 169, H 1200	830	830	18	46	DALI
611973.00X.730	D 169, H 1200	830	830	18	46	smart+free
611973.00X.1.76	D 169, H 1200	840	850	18	47	DALI
611973.00X.1.730	D 169, H 1200	840	850	18	47	smart+free
611971.00X	D 169, H 1200	1 x QA60 (klar) max. 77 W				on/off



Aluminium buried base with anti-sink protection and fixing set			**Price Category 12**
982155.000	D 153, H 396	Luminaire tube Ø 156 mm	

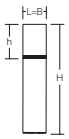






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Bollards | MEGA SQUARE





Type of protection: **IP 65**
Protection class: I
Impact protection: IK02

Luminaire tube made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Opal glass: mouth-blown, satin finish. With membrane valve as a standard to avoid condensed water. Connection box on base, max. 2 x 3 x 2.5 mm² / 2 x 5 x 2.5 mm² for through wiring.

Luminaire tube versions L120/B120 mm: DALI / Casambi smart+free with factory-fitted connecting cable, please order connecting accessories separately.

Available colours (X): 31 = anthracite, 4 = silver

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 77 W QA60 (77 W Psys)
1 x 26 W TC-D (34 W Psys)

LED 18 W ≈
1 x 150 W QT12 (150 W Psys)
1 x 42 W TC-TEL (47 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Bollards - Luminaire tube 120 x 120 mm						**Price Category 12**
Height H 600 mm, h 210 mm						
611905.00X	L 120, B 120, H 600	830	980	10	98	on/off
611905.00X.1	L 120, B 120, H 600	840	1000	10	100	on/off
611904.00X	L 120, B 120, H 600	1 x QA60 (klar) max. 57 W				on/off
Height H 800 mm, h 210 mm						
612153.00X	L 120, B 120, H 800	830	980	10	98	on/off
612153.00X.76	L 120, B 120, H 800	830	980	10	98	DALI
612153.00X.730	L 120, B 120, H 800	830	980	10	98	smart+free
612153.00X.1.76	L 120, B 120, H 800	840	1000	10	100	DALI
612153.00X.1.730	L 120, B 120, H 800	840	1000	10	100	smart+free
612153.00X.1	L 120, B 120, H 800	840	1000	10	100	on/off
612152.00X	L 120, B 120, H 800	1 x QA60 (klar) max. 57 W				on/off
Height H 1000 mm, h 210 mm						
612379.00X	L 120, B 120, H 1000	830	960	10	96	on/off
611907.00X.76	L 120, B 120, H 1000	830	960	10	96	DALI
611907.00X.730	L 120, B 120, H 1000	830	960	10	96	smart+free
612379.00X.1	L 120, B 120, H 1000	840	1000	10	100	on/off
611907.00X.1.76	L 120, B 120, H 1000	840	1000	10	100	DALI
611907.00X.1.730	L 120, B 120, H 1000	840	1000	10	100	smart+free
611909.00X	L 120, B 120, H 1000	1 x QA60 (klar) max. 57 W				on/off
Bollards - Luminaire tube 156 x 156 mm						**Price Category 12**
Height H 1400 mm, h 330 mm						
612365.00X	L 156, B 156, H 1400	830	1650	18	92	on/off
611910.00X.76	L 156, B 156, H 1400	830	1650	18	92	DALI
611910.00X.730	L 156, B 156, H 1400	830	1650	18	92	smart+free
612365.00X.1	L 156, B 156, H 1400	840	1700	18	94	on/off
611910.00X.1.76	L 156, B 156, H 1400	840	1700	18	94	DALI
611910.00X.1.730	L 156, B 156, H 1400	840	1700	18	94	smart+free
Height H 1800 mm, h 330 mm						
612366.00X	L 156, B 156, H 1800	830	1650	18	92	on/off
611911.00X.76	L 156, B 156, H 1800	830	1650	18	92	DALI
611911.00X.730	L 156, B 156, H 1800	830	1650	18	92	smart+free
612366.00X.1	L 156, B 156, H 1800	840	1700	18	94	on/off
611911.00X.1.76	L 156, B 156, H 1800	840	1700	18	94	DALI
611911.00X.1.730	L 156, B 156, H 1800	840	1700	18	94	smart+free
Height H 2400 mm, h 330 mm						
612367.00X	L 156, B 156, H 2400	830	1650	18	92	on/off
611912.00X.76	L 156, B 156, H 2400	830	1650	18	92	DALI
611912.00X.730	L 156, B 156, H 2400	830	1650	18	92	smart+free
612367.00X.1	L 156, B 156, H 2400	840	1700	18	94	on/off
611912.00X.1.76	L 156, B 156, H 2400	840	1700	18	94	DALI
611912.00X.1.730	L 156, B 156, H 2400	840	1700	18	94	smart+free





Aluminium buried base with anti-sink protection and fixing set			**Price Category 12**
982103.000	D 115, H 401	Luminaire tube Ø 115 mm	
982103.010	L 120, B 120, H 401	Luminaire tube 120 x 120 mm	
982155.010	L 156, B 156, H 401	Luminaire tube 156 x 156 mm	
982157.000	L 156, B 156, H 596	Luminaire tube 156 x 156 mm	

Junction box H with strain relief			**Price Category 12**
982981.003	L 175, B 62, H 35	Max. 5 x 4 mm² and cable diameter Ø 9 - 13.5 mm. 1 x In / 2 x Out.	

Round clip with strain relief			**Price Category 12**
982974.003	D 23, L 89,	Max. 5 x 1.5 mm² and cable diameter Ø 5 - 12 mm.	

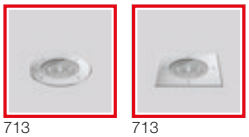


The application image shows:
TERRA EDELSTAHL 245

© Iwan Baan


709 709

TERRA EDELSTAHL 130
708-709


713 713

TERRA EDELSTAHL 190
710-713


715 715

TERRA EDELSTAHL 245
714-715



IP68 IK08

TERRA EDELSTAHL 130

In-ground luminaires

ARCHITECTURE

- **Functional:** In-ground luminaire for pedestrian areas, maximum load 2000 kg.
- **Accessories:** Slip-resistant glass for public areas that can be walked on.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

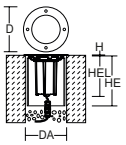
- **Variable:** Three different light distribution options for maximum flexibility in use.
- **Optimum:** High object illuminance due to precise optics despite low power.

INSTALLATION

- **Long service life:** Durable corrosion resistance even in aggressive soil thanks to housing of thermoset material, cover ring made of marine grade stainless steel.
- **Advantageous:** Prevents condensation thanks to hermetically sealed interior and vapour seal.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

In-ground luminaires | TERRA EDELSTAHL 130



Type of protection: **IP 68**
Protection class: II
Impact protection: IK08
Maximum Static Load: 2000 kg

Housing made of epoxy resin thermoset, stainless steel, aluminium. Round marine grade stainless steel cover, mill finish. Flush mounted toughened glass with secondary sealing glass. High performance LED refractor optics with different beam angles. Integral vapour seal against condensed water. The interior of the housing is sealed in accordance with IP 68 even during installation. With H07RN8-F connecting cable, L 500 mm.

Use of in-ground support is necessary, please order separately

Available colour: 0 = stainless steel

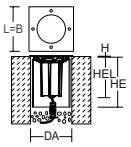


Comparison LED vs. conventional lamps

LED 4 W ≈
1 x 30 W QA60 (30 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
In-ground luminaires							**Price Category 12**
Cut out DA 125 mm, HE 390 mm							
Symmetrical narrow-beam light distribution							
641338.000.2	D 130, H 2, HEL 200	827	300	4	75	13°	on/off
641338.000	D 130, H 2, HEL 200	830	320	4	80	13°	on/off
641338.000.1	D 130, H 2, HEL 200	840	340	4	85	13°	on/off
Symmetrical medium beam light distribution							
641339.000.2	D 130, H 2, HEL 200	827	300	4	75	19°	on/off
641339.000	D 130, H 2, HEL 200	830	320	4	80	19°	on/off
641339.000.1	D 130, H 2, HEL 200	840	340	4	85	19°	on/off
Symmetrical wide beam light distribution							
641340.000.2	D 130, H 2, HEL 200	827	300	4	75	37°	on/off
641340.000	D 130, H 2, HEL 200	830	320	4	80	37°	on/off
641340.000.1	D 130, H 2, HEL 200	840	340	4	85	37°	on/off

In-ground luminaires | TERRA EDELSTAHL 130



Type of protection: **IP 68**
Protection class: II
Impact protection: IK08
Maximum Static Load: 2000 kg

Housing made of epoxy resin thermoset, stainless steel, aluminium. Square marine grade stainless steel cover, mill finish. Flush mounted toughened glass with secondary sealing glass. High performance LED refractor optics with different beam angles. Integral vapour seal against condensed water. The interior of the housing is sealed in accordance with IP 68 even during installation. With H07RN8-F connecting cable, L 500 mm.

Use of in-ground support is necessary, please order separately

Available colour: 0 = stainless steel



Comparison LED vs. conventional lamps

LED 4 W ≈
1 x 30 W QA60 (30 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
In-ground luminaires							**Price Category 12**
Cut out DA 125 mm, HE 390 mm							
Symmetrical narrow-beam light distribution							
641341.000.2	L 130, B 130, H 2, HEL 200	827	300	4	75	13°	on/off
641341.000	L 130, B 130, H 2, HEL 200	830	320	4	80	13°	on/off
641341.000.1	L 130, B 130, H 2, HEL 200	840	340	4	85	13°	on/off
Symmetrical medium beam light distribution							
641342.000.2	L 130, B 130, H 2, HEL 200	827	300	4	75	19°	on/off
641342.000	L 130, B 130, H 2, HEL 200	830	320	4	80	19°	on/off
641342.000.1	L 130, B 130, H 2, HEL 200	840	340	4	85	19°	on/off
Symmetrical wide beam light distribution							
641343.000.2	L 130, B 130, H 2, HEL 200	827	300	4	75	37°	on/off
641343.000	L 130, B 130, H 2, HEL 200	830	320	4	80	37°	on/off
641343.000.1	L 130, B 130, H 2, HEL 200	840	340	4	85	37°	on/off

In-ground support			**Price Category 12**
982194.003	D 125, H 540	Cover frame: plastic. Can be cut on site.	



Glass, non-slip R12			**Price Category 13**
982408.030	D 78, H 10	Glass, non-slip with seal	



IP 68 plug connector			**Price Category 11**
982398.003	L 81, B 35, H 35	Connector, 5 pole, with plug and socket	



H-distributor IP 68			**Price Category 11**
982399.003	L 170, B 71, H 35	H-distributor IP 68	



TERRA EDELSTAHL 190

Everything at a glance

When you think what effort, usually unsuccessful, is put into the search for the „perfect“ recessed ground luminaire, one does in fact tend to describe the TERRA EDELSTAHL family as „out of this world“. Yet its members are by no means extraterrestrials - they are simply heavenly solutions for earthly problems like condensation, corrosion, wiring etc.

⊕ **Long service life**
Durable corrosion resistance even in aggressive soil thanks to housing made of thermoset material, cover ring made of marine grade stainless steel and flush mounted toughened glass. The use of state-of-the-art LED technology allows a long luminaire service life and reduced energy consumption.

⊕ **Impermeability**
The multi-level housing concept reliably protects the light source and control gear from all weather influences. The sealed cable entry (VapourSeal) and the luminaire interior pressurised (filled with dried air) prevent condensation. Even during connection and adjustment, the luminaire interior remains completely airtight.

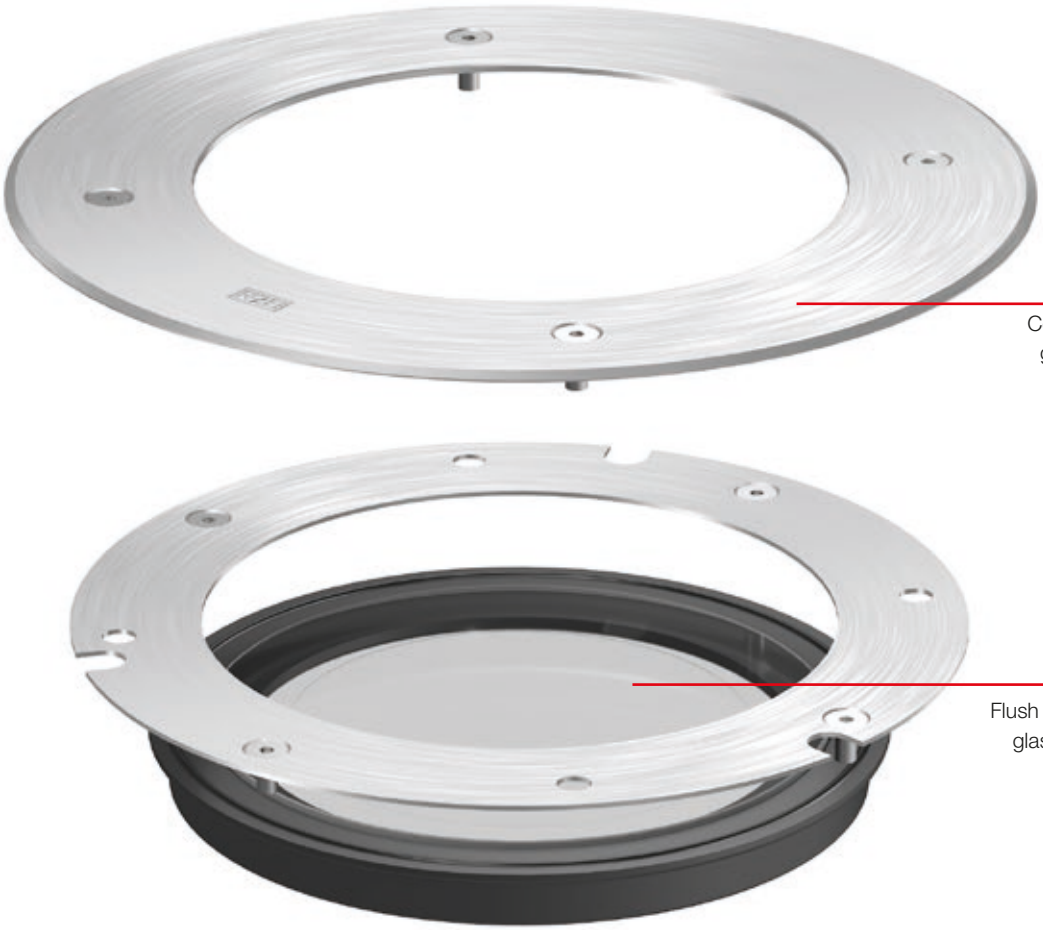
⊕ **Flexibility**
High-quality LED optics provide balanced brightness. 3 different LED beam angles ensure planning flexibility. The LED can be continuously adjusted by a max. of 15 degrees in all directions in its installed state. Hence the light cone can be precisely directed and provides perfect illumination.

⊕ **Connection options**
Flexible power cord H07-RN8F compatible with IP 68 quick connectors and cast resin boxes for electrical connection outside luminaire housing.





Infinite adjustment of the LED unit by a max. of 15° in all directions in its installed state.



Cover made of marine grade stainless steel.

Flush mounted toughened glass with load capacity up to 2 tons.

Housing made of glass fibre reinforced epoxy resin thermoset material for high corrosion resistance.

Infinite dual axes adjustment of the LED unit in its installed state.

Secondary sealing glass glued on.

Multi-stage housing concept with integrated Vapour-Seal condensation water protection and luminaire interior pressurised with overpressure.

Flexible power cord.

Installation adapter made of glass fibre reinforced polyamide, tube can be shortened on site.



IP68 IK08

TERRA EDELSTAHL 190

In-ground luminaires

ARCHITECTURE

- **Functional:** In-ground luminaire for pedestrian areas, maximum load 2000 kg.
- **Accessories:** Slip-resistant glass for public areas that can be walked on.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

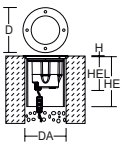
- **Variable:** Three different light distribution options for maximum flexibility in use.
- **Optimum:** High object illuminance due to precise optics despite low power.
- **Flexible:** Beam direction can be adjusted from 0 to 15 degrees in all directions.

INSTALLATION

- **Long service life:** Durable corrosion resistance even in aggressive soil thanks to housing of thermoset material, cover ring made of marine grade stainless steel.
- **Advantageous:** Prevents condensation thanks to hermetically sealed interior and vapour seal.
- **Easy installation:** Flexible power cord H07-RN8F compatible with IP 68 quick connectors and cast resin boxes for electrical connection outside luminaire housing.
- **Straightforward:** Beam adjusting is performed from outside while fitting is already mounted in place and sealed.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

In-ground luminaires | TERRA EDELSTAHL 190



Type of protection: **IP 68**
Protection class: II
Impact protection: IK08
Maximum Static Load: 2000 kg

Housing made of epoxy resin thermoset, stainless steel, aluminium. Round marine grade stainless steel cover, mill finish. Flush mounted toughened glass with secondary sealing glass. High performance LED refractor optics with different beam angles. Aiming can be adjusted by up to 15° from the vertical from the outside while fitting is already mounted in place and sealed. Integral vapour seal against condensed water. The interior of the housing is sealed in accordance with IP 68 even during installation. With H07RN8-F connecting cable, L 500 mm.

Use of in-ground support is necessary, please order separately

Available colour: 0 = stainless steel

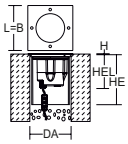


Comparison
LED vs. conventional lamps

LED 12 W ≈
1 x 50 W QT12 (54 W Psys)
1 x 57 W QA60 (57 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
In-ground luminaires							**Price Category 12**
Cut out DA 175 mm, HE 200 mm							
Symmetrical narrow-beam light distribution							
641332.000.2	D 190, H 2, HEL 160	827	800	12	67	12°	on/off
641332.000	D 190, H 2, HEL 160	830	850	12	71	12°	on/off
641332.000.1	D 190, H 2, HEL 160	840	900	12	75	13°	on/off
Symmetrical medium beam light distribution							
641333.000.2	D 190, H 2, HEL 160	827	800	12	67	19°	on/off
641333.000	D 190, H 2, HEL 160	830	850	12	71	19°	on/off
641333.000.1	D 190, H 2, HEL 160	840	900	12	75	20°	on/off
Symmetrical wide beam light distribution							
641334.000.2	D 190, H 2, HEL 160	827	800	12	67	37°	on/off
641334.000	D 190, H 2, HEL 160	830	850	12	71	37°	on/off
641334.000.1	D 190, H 2, HEL 160	840	900	12	75	38°	on/off

In-ground luminaires | TERRA EDELSTAHL 190

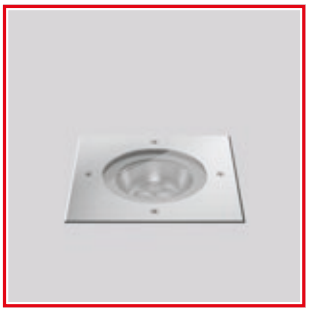


Type of protection: **IP 68**
Protection class: II
Impact protection: IK08
Maximum Static Load: 2000 kg

Housing made of epoxy resin thermoset, stainless steel, aluminium. Square marine grade stainless steel cover, mill finish. Flush mounted toughened glass with secondary sealing glass. High performance LED refractor optics with different beam angles. Aiming can be adjusted by up to 15° from the vertical from the outside while fitting is already mounted in place and sealed. Integral vapour seal against condensed water. The interior of the housing is sealed in accordance with IP 68 even during installation. With H07RN8-F connecting cable, L 500 mm.

Use of in-ground support is necessary, please order separately

Available colour: 0 = stainless steel



Comparison
LED vs. conventional lamps

LED 12 W ≈
1 x 50 W QT12 (54 W Psys)
1 x 57 W QA60 (57 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
In-ground luminaires							**Price Category 12**
Cut out DA 175 mm, HE 200 mm							
Symmetrical narrow-beam light distribution							
641335.000.2	L 190, B 190, H 2, HEL 160	827	800	12	67	12°	on/off
641335.000	L 190, B 190, H 2, HEL 160	830	850	12	71	12°	on/off
641335.000.1	L 190, B 190, H 2, HEL 160	840	900	12	75	13°	on/off
Symmetrical medium beam light distribution							
641336.000.2	L 190, B 190, H 2, HEL 160	827	800	12	67	19°	on/off
641336.000	L 190, B 190, H 2, HEL 160	830	850	12	71	19°	on/off
641336.000.1	L 190, B 190, H 2, HEL 160	840	900	12	75	20°	on/off
Symmetrical wide beam light distribution							
641337.000.2	L 190, B 190, H 2, HEL 160	827	800	12	67	37°	on/off
641337.000	L 190, B 190, H 2, HEL 160	830	850	12	71	37°	on/off
641337.000.1	L 190, B 190, H 2, HEL 160	840	900	12	75	38°	on/off



In-ground support			**Price Category 12**
982089.003	D 172, H 500	Cover frame: plastic. Can be cut on site.	



Glass, non-slip R12			**Price Category 13**
982088.030	D 132, H 12	Glass, non-slip with seal	



IP 68 plug connector			**Price Category 11**
982398.003	L 81, B 35, H 35	Connector, 5 pole, with plug and socket	



H-distributor IP 68			**Price Category 11**
982399.003	L 170, B 71, H 35	H-distributor IP 68	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



IP68 IK10

TERRA EDELSTAHL 245

In-ground luminaires

ARCHITECTURE

- **Functional:** In-ground luminaire for pedestrian areas, maximum load 2000 kg.
- **Long service life:** Housing made of corrosion-resistant die-cast aluminium, powder-coated.
- **Optimum:** Selection of circular or square shape marine grade stainless steel cover with flush mounted toughened glass.

LIGHTING DESIGN

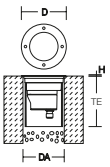
- **Variable:** Three different light distribution options for maximum flexibility in use.
- **Accessories:** Slip resistant glass (R12) and anti-glare louvre available as accessories.

INSTALLATION

- **Advantageous:** Choice of three in-ground supports for underground cable or cabling with empty conduits.
- **Easy installation:** Flexible power cord H07-RN8F compatible with IP 68 quick connectors and cast resin boxes for electrical connection outside luminaire housing.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

In-ground luminaires | TERRA EDELSTAHL 245



Type of protection: **IP 68**
Protection class: I
Impact protection: IK10
Maximum Static Load: 2000 kg

Housing made of corrosion-resistant die-cast aluminium, powder-coated. Circular shape marine grade stainless steel cover and screws. Flush mounted toughened glass. High-performance LED freeform mirror optics. With H07RN8-F connecting cable, L 500 mm.

Use of in-ground support is necessary, please order chosen version for your application separately.

Available colour: 0 = stainless steel

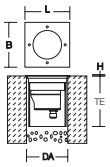


Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
In-ground luminaires							**Price Category 12**
Cut out DA 225 mm, TE 145 mm							
Symmetrical medium beam light distribution							
641284.000	D 245, H 2	830	2300	28	82	39°	on/off
641284.000.1	D 245, H 2	840	2200	28	79	24°	on/off
Symmetrical wide beam light distribution							
641285.000	D 245, H 2	830	2550	28	91	61°	on/off
641285.000.1	D 245, H 2	840	2200	28	79	60°	on/off
Asymmetrical light distribution							
641286.000	D 245, H 2	830	2400	28	86		on/off
641286.000.1	D 245, H 2	840	2200	28	79		on/off

Comparison
LED vs. conventional lamps

LED 28 W ≈
1 x 150 W QT12 (150 W Psys)
1 x 42 W TC-TEL (47 W Psys)
1 x 35 W HIT (43 W Psys)

In-ground luminaires | TERRA EDELSTAHL 245



Type of protection: **IP 68**
Protection class: I
Impact protection: IK10
Maximum Static Load: 2000 kg

Housing made of corrosion-resistant die-cast aluminium, powder-coated. Marine grade stainless steel square shaped cover and screws. Flush mounted toughened glass. High-performance LED freeform mirror optics. With H07RN8-F connecting cable, L 500 mm.

Use of in-ground support is necessary, please order chosen version for your application separately.

Available colour: 0 = stainless steel



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
In-ground luminaires							**Price Category 12**
Cut out DA 225 mm, TE 145 mm							
Symmetrical medium beam light distribution							
641287.000	L 245, B 245, H 2	830	2150	28	77	24°	on/off
641287.000.1	L 245, B 245, H 2	840	2200	28	79	24°	on/off
Symmetrical wide beam light distribution							
641288.000	L 245, B 245, H 2	830	2150	28	77	60°	on/off
641288.000.1	L 245, B 245, H 2	840	2200	28	79	60°	on/off
Asymmetrical light distribution							
641289.000	L 245, B 245, H 2	830	2150	28	77		on/off
641289.000.1	L 245, B 245, H 2	840	2200	28	79		on/off

Comparison
LED vs. conventional lamps

LED 28 W ≈
1 x 150 W QT12 (150 W Psys)
1 x 42 W TC-TEL (47 W Psys)
1 x 35 W HIT (43 W Psys)

In-ground support			**Price Category 12**
982011.000	D 220, H 141	In-ground support for empty conduits cabling.	
982012.000	D 302, H 320	Large in-ground support for underground cable.	
982013.000	D 300, H 60	Bottom closure for large in-ground support.	



Glass, non-slip			**Price Category 12**
982014.010	D 185, H 15	Glass, non-slip R12	



Lamellar insert			**Price Category 12**
982015.003	D 130, H 19	Lamellar insert	



IP 68 plug connector			**Price Category 11**
982398.003	L 81, B 35, H 35	Connector, 5 pole, with plug and socket	



H-distributor IP 68			**Price Category 11**
982399.003	L 170, B 71, H 35	H-distributor IP 68	





The application image shows:
LIGHTSTREAM

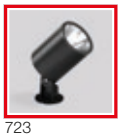
© Linus Lintner


719

719

719

PAR16
718-719


723

ANDHO
with earth spike
720-723


726


727

ANDHO
with mounting box
720-721 | 724-727


728


729

ANDHO
with mounting plate
720-721 | 724 | 728-729


731

ALU-STAR
730-731


735


736


737

LIGHTSTREAM
723-741



IP55

PAR16

Garden spotlights

ARCHITECTURE

- **Advantageous:** Reduced form language together with a high degree of functionality are characteristic of the PAR 16 luminaires.
- **Robust:** Housing: die-cast aluminium, powder-coated.
- **Long service life:** Peg made of fiber reinforced plastic.

LIGHTING DESIGN

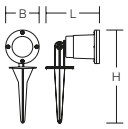
- **Extensive:** The choice of three front panel versions allows these models to be adapted to all applications: Grille for operation in robust conditions, guard for shielding upwards or flat glass cover for targeted accentuation.

INSTALLATION

- **Straightforward:** Portable garden spotlights.
- **Easy installation:** With 3 m connection cable including safety plug (Schuko).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Garden spotlights | PAR16





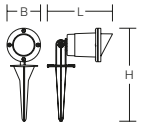
Type of protection: **IP 55**
Protection class: I
Impact protection: IK04

Housing: die-cast aluminium, powder-coated. Peg made of fiber reinforced plastic. Safety glass, clear. With 3 m connection cable including safety plug (Schuko).

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Garden spotlight with earth spike							**Price Category 12**
722221.0031	L 157, B 98, H 275	830	140	4,4	32	102	on/off
721680.0931 .Q	L 157, B 98, H 275	LEDPAR16 5 W					on/off

Garden spotlights | PAR16





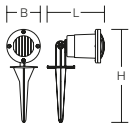
Type of protection: **IP 55**
Protection class: I
Impact protection: IK04

Housing and antiglare hood: die-cast aluminium, powder-coated. Peg made of fiber reinforced plastic. Safety glass, clear. With 3 m connection cable including safety plug (Schuko).

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Garden spotlight with earth spike and anti-glare shield						**Price Category 12**
722222.0031	L 191, B 98, H 275	830	95	4,4	22	on/off
721681.0931	L 191, B 98, H 275	LEDPAR16 5 W				on/off

Garden spotlights | PAR16





Type of protection: **IP 55**
Protection class: I
Impact protection: IK04

Housing and protective grill: die-cast aluminium, powder-coated. Peg made of fiber reinforced plastic. Safety glass, clear. With 3 m connection cable including safety plug (Schuko).

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Garden spotlight with earth spike and protective grille						**Price Category 12**
722223.0031	L 170, B 98, H 275	830	85	4,4	19	on/off
721682.0931	L 170, B 98, H 275	LEDPAR16 5 W				on/off

ANDHO

Everything at a glance

Environmentally friendly and resource-saving due to replaceable components.

Seawater resistant coating.



Spotlight can be precisely adjusted and locked into position for tilt and rotation.

Base fixing slots outside of gasketed area, drill hole deviations can be compensated.



Further versions:

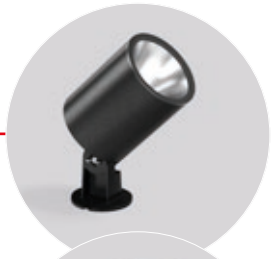
- Surface mounted downlights
- Outdoor luminaires and pole top luminaires



IP65

Cover clear single-pane toughened glass.

Reflectors made of reflex boosted MIRO-SILVER® with choice of four beam angles for ultimate flexibility in application.



Portable garden spotlights.

Environmentally friendly and resource-saving due to replaceable components.



Spotlight with **mounting plate** can be rotated 20° swivelled 90°.



Spotlight with **mounting box** can be rotated 360° and swivelled 90°.



Plug & Play IP65 IK07

ANDHO

Garden spotlights

ARCHITECTURE

- **Straightforward:** Portable garden spotlights.
- **Long service life:** Robust outdoor operation ensured by use of high quality material like powder coated, corrosion-resistant pressure die-cast aluminium, toughened glass and stainless steel.
- **Robust:** Seawater resistant coating.

LIGHTING DESIGN

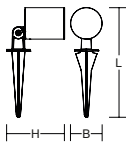
- **Efficient:** Reflector made of super-reflective MIRO-SILVER® for outstanding efficiency.
- **Straightforward:** Tilt angle can be adjusted and locked in 5 degree steps featuring angular scale.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

INSTALLATION

- **Easy installation:** With 5 m power supply cable, including safety plug.
- **Standard:** Membrane valve to prevent condensation.
- **Advantageous:** No corrosion of the ground spike in the soil due to the use of glass fibre reinforced plastic.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Garden spotlights | ANDHO mini





Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Peg made of fiber reinforced plastic. Tilt angle can be adjusted and locked in 5 degree steps featuring angular scale. Cover clear single-pane toughened glass, edge printed. Rotation-symmetric reflector made of reflex-boosted MIRO-SILVER®. With membrane valve as a standard to avoid condensed water. Driver integrated. With 5 m power supply cable, including safety plug.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Spotlight with earth spike							**Price Category 12**
Spot lens							
722276.0031.2	L 397, B 114, H 210	927	1100	15	73	10	on/off
722276.0031	L 397, B 114, H 210	930	1150	15	77	10	on/off
722276.0031.1	L 397, B 114, H 210	940	1200	15	80	10	on/off
Reflector medium							
722277.0031.2	L 397, B 114, H 210	827	1450	13	112	26	on/off
722277.0031	L 397, B 114, H 210	830	1600	13	123	26	on/off
722277.0031.1	L 397, B 114, H 210	840	1750	13	135	26	on/off
Reflector flood							
722278.0031.2	L 397, B 114, H 210	827	1400	13	108	40	on/off
722278.0031	L 397, B 114, H 210	830	1550	13	119	40	on/off
722278.0031.1	L 397, B 114, H 210	840	1700	13	131	40	on/off

Comparison
LED vs. conventional lamps

LED 13 W ≈
1 x 90 W QT12 (96 W Psys)

LED 15 W ≈
1 x 75 W QT12 (80 W Psys)

Snap-on hood			Price Category 12
982165.003	L 140, B 120, H 130	Can be rotated 360 degrees stainless steel, powder coated, black	



Louvre as push-on attachment			Price Category 12
982162.003	D 120, H 85	Can be rotated 360 degrees stainless steel, powder coated, black	



Barn door shutter with mounting attachment			Price Category 12
982168.003	L 266, B 266, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	



Clear reeded glass with mounting attachment			Price Category 12
982159.000	D 117, H 58	Elliptical beam angle.	



superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°



DALI | Plug & Play | IP65 | IK07

ANDHO

Spotlights

ARCHITECTURE

- **Design-oriented:** Cylindrical shape with no visible cooling fins.
- **Long service life:** Robust outdoor operation ensured by use of high quality material like powder coated, corrosion-resistant pressure die-cast aluminium, toughened glass and stainless steel.
- **Robust:** Seawater resistant coating.

LIGHTING DESIGN

- **Advantageous:** Reflectors made of reflex boosted MIRO-SILVER® with choice of four beam angles for ultimate flexibility in application.
- **Flexible:** Spotlight with mounting box can be rotated 360° and swivelled 90°, spotlight with mounting plate can be rotated 20° swivelled 90°.
- **Straightforward:** Spotlight can be precisely adjusted and locked into position for tilt and rotation.

INSTALLATION

- **Versatile:** 2 mounting types - mounting box or mounting plate.
- **Standard:** With membrane valve to avoid condensation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.




Further luminaires of this series, see:

Outdoor lighting | Ceiling and wall luminaires
Outdoor lighting | Pole luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

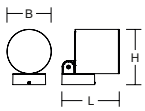


© Linus Lintner

The application image shows:
ANDHO



Spotlights | ANDHO mini - with mounting box



Type of protection: **IP 65**
Protection class: II
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Rotation angle: 360° stepless, tilt angle 90° in increments of 5°, angle scale can be adjusted and locked. Cover clear single-pane toughened glass, edge printed. With rotationally symmetrical reflector or narrow-beam lens. Reflector made of reflex-boosted MIRO-SILVER®. With membrane valve as a standard to avoid condensed water. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Comparison LED vs. conventional lamps

LED 23 W ≈
1 x 20 W HIT (23 W Psys)

LED 27 W ≈
1 x 35 W HIT (43 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Spotlight							**Price Category 12**
Spot lens							
722183.00X.2.76	L 190, B 114, H 152	927	1700	23	74	10	DALI
722183.00X.76	L 190, B 114, H 152	930	1800	23	78	10	DALI
722183.00X.1.76	L 190, B 114, H 152	940	1900	23	83	10	DALI
Reflector medium							
722184.00X.2.76	L 190, B 114, H 152	827	3000	27	111	26	DALI
722184.00X.76	L 190, B 114, H 152	830	3300	27	122	26	DALI
722184.00X.1.76	L 190, B 114, H 152	840	3550	27	131	26	DALI
Reflector flood							
722185.00X.2.76	L 190, B 114, H 152	827	2800	27	104	40	DALI
722185.00X.76	L 190, B 114, H 152	830	3100	27	115	40	DALI
722185.00X.1.76	L 190, B 114, H 152	840	3350	27	124	40	DALI



Snap-on hood			Price Category 12
982165.003	L 140, B 120, H 130	Can be rotated 360 degrees stainless steel, powder coated, black	



Louvre as push-on attachment			Price Category 12
982162.003	D 120, H 85	Can be rotated 360 degrees stainless steel, powder coated, black	



Barn door shutter with mounting attachment			Price Category 12
982168.003	L 266, B 266, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	



Clear reeded glass with mounting attachment			Price Category 12
982159.000	D 117, H 58	Elliptical beam angle.	

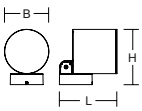






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Spotlights | ANDHO midi - with mounting box



Type of protection: **IP 65**
Protection class: II
Impact protection: IK08

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Rotation angle: 360° stepless, tilt angle 90° in increments of 5°, angle scale can be adjusted and locked. Cover clear single-pane toughened glass, edge printed. Rotation-symmetric reflector made of reflex-boosted MIRO-SILVER®. With membrane valve as a standard to avoid condensed water. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Spotlight							**Price Category 12**
Reflector superspot							
722179.00X.2.76	L 199, B 154, H 192	927	3450	41	84	9	DALI
722179.00X.76	L 199, B 154, H 192	830	3750	41	91	9	DALI
722179.00X.1.76	L 199, B 154, H 192	840	3950	41	96	9	DALI
Reflector spot							
722180.00X.2.76	L 199, B 154, H 192	827	4700	39	121	17	DALI
722180.00X.76	L 199, B 154, H 192	830	4850	39	124	17	DALI
722180.00X.1.76	L 199, B 154, H 192	840	5350	39	137	17	DALI
Reflector medium							
722181.00X.2.76	L 199, B 154, H 192	827	4700	39	121	34	DALI
722181.00X.76	L 199, B 154, H 192	830	4850	39	124	34	DALI
722181.00X.1.76	L 199, B 154, H 192	840	5150	39	132	34	DALI
Reflector wide flood							
722182.00X.2.76	L 199, B 154, H 192	827	4700	39	121	59	DALI
722182.00X.76	L 199, B 154, H 192	830	4800	39	123	59	DALI
722182.00X.1.76	L 199, B 154, H 192	840	5100	39	131	59	DALI

Comparison
LED vs. conventional lamps

LED 39 W ≈
1 x 50 W HIT (56 W Psys)

LED 41 W ≈
1 x 35 W HIT (43 W Psys)

Snap-on hood			Price Category 12
982166.003	D 160, H 170	Can be rotated 360 degrees stainless steel, powder coated, black	



Louvre as push-on attachment			Price Category 12
982163.003	D 160, H 97	Can be rotated 360 degrees stainless steel, powder coated, black	



Barn door shutter with mounting attachment			Price Category 12
982169.003	L 340, B 340, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	



Clear reeded glass with mounting attachment			Price Category 12
982160.000	D 159, H 58	Elliptical beam angle.	









superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°

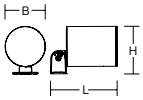


Comparison
LED vs. conventional lamps

LED 23 W ≈
1 x 20 W HIT (23 W Psys)

LED 27 W ≈
1 x 35 W HIT (43 W Psys)

Spotlights | ANDHO mini - with mounting plate



Type of protection: **IP 65**
Protection class: II
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Rotation angle: 40° stepless, tilt angle 90° in increments of 5°, angle scale can be adjusted and locked. Cover clear single-pane toughened glass, edge printed. Rotation-symmetric reflector made of reflex-boosted MIRO-SILVER®. With membrane valve as a standard to avoid condensed water. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Spotlight							**Price Category 12**
Spot lens							
722266.00X.2.76	L 227, B 114, H 182	927	1700	23	74	10	DALI
722266.00X.76	L 227, B 114, H 182	930	1800	23	78	10	DALI
722266.00X.1.76	L 227, B 114, H 182	940	1900	23	83	10	DALI
Reflector medium							
722267.00X.2.76	L 227, B 114, H 182	827	3000	27	111	26	DALI
722267.00X.76	L 227, B 114, H 182	830	3300	27	122	26	DALI
722267.00X.1.76	L 227, B 114, H 182	840	3550	27	131	26	DALI
Reflector flood							
722268.00X.2.76	L 227, B 114, H 182	827	2800	27	104	40	DALI
722268.00X.76	L 227, B 114, H 182	830	3100	27	115	40	DALI
722268.00X.1.76	L 227, B 114, H 182	840	3350	27	124	40	DALI



Snap-on hood			**Price Category 12**
982165.003	L 140, B 120, H 130	Can be rotated 360 degrees stainless steel, powder coated, black	



Louvre as push-on attachment			**Price Category 12**
982162.003	D 120, H 85	Can be rotated 360 degrees stainless steel, powder coated, black	



Barn door shutter with mounting attachment			**Price Category 12**
982168.003	L 266, B 266, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	



Clear reeded glass with mounting attachment			**Price Category 12**
982159.000	D 117, H 58	Elliptical beam angle.	

Round clip with strain relief			**Price Category 12**
982974.003	D 23, L 89,	Max. 5 x 1.5 mm² and cable diameter Ø 5 - 12 mm.	

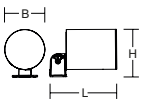






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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Spotlights | ANDHO midi - with mounting plate





Type of protection: **IP 65**
Protection class: II
Impact protection: IK08

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Rotation angle: 40° stepless, tilt angle 90° in increments of 5°, angle scale can be adjusted and locked. Cover clear single-pane toughened glass, edge printed. Rotation-symmetric reflector made of reflex-boosted MIRO-SILVER®. With membrane valve as a standard to avoid condensed water. Fixing on the wall outside the sealed volume, drill hole deviations can be compensated.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Spotlight							**Price Category 12**
Reflector superspot							
722269.00X.2.76	L 261, B 154, H 216	927	3450	41	84	9	DALI
722269.00X.76	L 261, B 154, H 216	830	3750	41	91	9	DALI
722269.00X.1.76	L 261, B 154, H 216	840	3950	41	96	9	DALI
Reflector spot							
722270.00X.2.76	L 261, B 154, H 216	827	4700	39	121	17	DALI
722270.00X.76	L 261, B 154, H 216	830	4850	39	124	17	DALI
722270.00X.1.76	L 261, B 154, H 216	840	5350	39	137	17	DALI
Reflector medium							
722271.00X.2.76	L 261, B 154, H 216	827	4700	39	121	34	DALI
722271.00X.76	L 261, B 154, H 216	830	4850	39	124	34	DALI
722271.00X.1.76	L 261, B 154, H 216	840	5150	39	132	34	DALI
Reflector wide flood							
722272.00X.2.76	L 261, B 154, H 216	827	4700	39	121	59	DALI
722272.00X.76	L 261, B 154, H 216	830	4800	39	123	59	DALI
722272.00X.1.76	L 261, B 154, H 216	840	5100	39	131	59	DALI

Comparison
LED vs. conventional lamps

LED 39 W ≈
1 x 50 W HIT (56 W Psys)

LED 41 W ≈
1 x 35 W HIT (43 W Psys)

Snap-on hood			Price Category 12
982166.003	D 160, H 170	Can be rotated 360 degrees stainless steel, powder coated, black	



Louvre as push-on attachment			Price Category 12
982163.003	D 160, H 97	Can be rotated 360 degrees stainless steel, powder coated, black	



Barn door shutter with mounting attachment			Price Category 12
982169.003	L 340, B 340, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	



Clear reeded glass with mounting attachment			Price Category 12
982160.000	D 159, H 58	Elliptical beam angle.	



Round clip with strain relief			Price Category 12
982974.003	D 23, L 89,	Max. 5 x 1.5 mm² and cable diameter Ø 5 - 12 mm.	







superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°



ALU-STAR

Spotlights

ARCHITECTURE

- **Clever:** High efficient LED outdoor floodlight by strict thermal separation of LED and driver compartment.
- **Long service life:** Robust outdoor operation ensured by use of high quality material like powder coated, corrosion-resistant pressure die-cast aluminium, toughened glass and stainless steel.
- **Robust:** Seawater resistant coating.

LIGHTING DESIGN

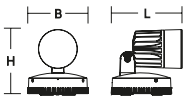
- **Advantageous:** Reflectors made of reflex boosted MIRO-SILVER® with choice of four beam angles for ultimate flexibility in application.
- **Straightforward:** Beam direction can be precisely adjusted and locked into position for tilt and rotation by a sopisticated step mechanism.

INSTALLATION

- **Functional:** Universal mounting position allowed due to sophisticated design details like generous space for cable placement.
- **Standard:** Membrane valve to prevent condensation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Spotlights | ALU-STAR maxi





Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Stainless steel fixing clips with compensation for drill hole deviations. Rotation angle can be adjusted and locked in 3,6 degree steps, tilt angle in 5 degree steps with angular scale. Thermally decoupled driver compartment, integral driver. Toughened glass cover. COB-LEDs with socket for change on site. Rotation-symmetric reflector made of reflex-boosted MIRO-SILVER®. With membrane valve as a standard to avoid condensed water. Piano-key terminal up to 2 x 5 x 2,5 mm², max cable Ø 13 mm, comes with second cable gland for loop through.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Floodlight							**Price Category 12**
Reflector spot							
721811.00X	L 305, B 240, H 310	830	9500	88	108	12	on/off
721811.00X.76	L 305, B 240, H 310	830	9500	88	108	12	DALI
721811.00X.1	L 305, B 240, H 310	840	9800	88	111	12	on/off
721811.00X.1.76	L 305, B 240, H 310	840	9800	88	111	12	DALI
Reflector medium							
721812.00X	L 305, B 240, H 310	830	9700	88	110	24	on/off
721812.00X.76	L 305, B 240, H 310	830	9700	88	110	24	DALI
721812.00X.1	L 305, B 240, H 310	840	9950	88	113	24	on/off
721812.00X.1.76	L 305, B 240, H 310	840	9950	88	113	24	DALI
Reflector flood							
721813.00X	L 305, B 240, H 310	830	9700	88	110	36	on/off
721813.00X.76	L 305, B 240, H 310	830	9700	88	110	36	DALI
721813.00X.1	L 305, B 240, H 310	840	10000	88	114	36	on/off
721813.00X.1.76	L 305, B 240, H 310	840	10000	88	114	36	DALI
Reflector wide flood							
721814.00X	L 305, B 240, H 310	830	9750	88	111	56	on/off
721814.00X.76	L 305, B 240, H 310	830	9750	88	111	56	DALI
721814.00X.1	L 305, B 240, H 310	840	10000	88	114	56	on/off
721814.00X.1.76	L 305, B 240, H 310	840	10000	88	114	56	DALI

Comparison
LED vs. conventional lamps

LED 88 W ≈
1 x 150 W HIT-CE (170 W Psys)

Snap-on hood			Price Category 12
982167.003	D 211, H 221	Can be rotated 360 degrees stainless steel, powder coated, black	



Louvre as push-on attachment			Price Category 12
982164.003	D 211, L 220, H 100	Can be rotated 360 degrees stainless steel, powder coated, black	



Barn door shutter with mounting attachment			Price Category 12
982170.003	L 438, B 438, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	



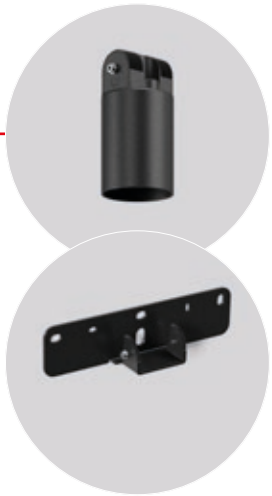




superspot	<10°
spot	10°-20°
medium	>20°-35°
flood	>35°-45°
wide flood	>45°-70°
extra wide flood	>70°

LIGHTSTREAM

Everything at a glance



Modular design: Extensive range of pole tops and mounting brackets.

Environmentally friendly and resource-saving due to replaceable components.



CLO Constant Light Output | DALI | Step DIM | Astro DIM

DALI dimmable, CLO as standard, integrated surge protection and various dim options.

IP66

Cover clear single-pane toughened glass.

With membrane valve as a standard to avoid condensed water.

Tilt angle can be adjusted and locked in 5 degree steps featuring angular scale.

Seawater resistant coating.



Zhaga

Replaceable LED spot modules according to ZHAGA standards.

3 sizes: mini, midi, maxi

2 colours: anthracite, silver



DALI | CLO Constant Light Output | Step DIM | Astro DIM | Zhaga | IP66

LIGHTSTREAM

Spotlights

ARCHITECTURE

- **Versatile:** Clever combination of spotlight and pole luminaire in one.
- **Robust:** Seawater resistant coating.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Reliable planning:** The comprehensive selection of light distributions and light outputs allows for an universal application regarding illumination of private paths, public roads up to area lighting (parking lots) according to EN 13201.
- **Standard:** Control gear with integrated surge protection up to 10 kV.

INSTALLATION

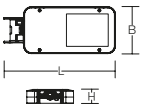
- **Easy installation:** Quick and easy installation due to pre-wired connection cable.
- **Advantageous:** Extensive installation accessories for any application scenarios.
- **Smart Lighting:** Versions with Zhaga Book 18 sockets available for the integration of components for light management systems or sensors.



Further luminaires of this series, see:
Outdoor lighting | Pole luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Spotlights | LIGHTSTREAM mini





Type of protection: **IP 66**
Protection class: I
Impact protection: IK06

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Tilt angle can be adjusted and locked in 5 degree steps featuring angular scale. Cover clear single-pane toughened glass, edge printed. Cover screwed to housing. With membrane valve as a standard to avoid condensed water. Lens system made of plastic (PMMA). Light distribution optimised for road or area lighting. Replaceable LED spot modules according to ZHAGA standards. Constant light output (CLO). Converter compatible with DC. With NFC programming interface. Pre-assembled connection cable, length 0.5 m.

Modular design: Mounting set must be ordered separately.

Available colours (X): 31 = anthracite, 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Area floodlight							**Price Category 12**
Medium lens							
722283.00X	L 395, B 166, H 49	830	4600	31	148	25	on/off
722283.00X.76	L 395, B 166, H 49	830	4600	31	148	25	DALI
722283.00X.1	L 395, B 166, H 49	840	4900	31	158	25	on/off
722283.00X.1.76	L 395, B 166, H 49	840	4900	31	158	25	DALI
Wide flood lens							
722284.00X	L 395, B 166, H 49	830	4600	31	148	55/55	on/off
722284.00X.76	L 395, B 166, H 49	830	4600	31	148	55/55	DALI
722284.00X.1	L 395, B 166, H 49	840	4900	31	158	55/55	on/off
722284.00X.1.76	L 395, B 166, H 49	840	4900	31	158	55/55	DALI
Extra wide flood lens							
722285.00X	L 395, B 166, H 49	830	4500	31	145	90/90	on/off
722285.00X.76	L 395, B 166, H 49	830	4500	31	145	90/90	DALI
722285.00X.1	L 395, B 166, H 49	840	4800	31	155	90/90	on/off
722285.00X.1.76	L 395, B 166, H 49	840	4800	31	155	90/90	DALI

Comparison
LED vs. conventional lamps

LED 31 W ≈
1 x 50 W HIT (56 W Psys)

Modules | LIGHTSTREAM - Pole tops



Pole attachment for installation on the pole top. Pressure die-cast aluminium, seawater resistant powder-coated. For spigot diameter Ø 76 mm. Set of stainless steel fixing screws included. Cable gland into the pole as protection against rainwater.

Available colours (X): 31 = anthracite, 4 = silver

Pole tops			Price Category 12
982978.00X	L 91, B 87, H 168	Pole attachment for 76 mm spigot.	

Reducing adapters			Price Category 12
982983.000	D 78, H 97	For reducing Ø 76 mm spigot size to Ø 42mm.	
982562.000	L 43, B 76, H 95	For reducing Ø 76 mm spigot size to Ø 60 mm	

Modules | LIGHTSTREAM - Universal mounting bracket



Mounting bracket for attachment to floor, wall and ceiling. Stainless steel, seawater resistant powder-coated.

Available colours (X): 31 = anthracite, 4 = silver

Universal mounting bracket		Price Category 12
982975.00X	L 180, B 53, H 55	

Modules | LIGHTSTREAM - Mounting bracket for facade systems



Mounting bracket for installation on facade systems. Increased cross-sectional area and larger hole spacing for better force distribution. Stainless steel, seawater resistant powder-coated.

Available colours (X): 31 = anthracite, 4 = silver

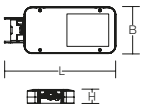
Mounting bracket for facade systems		Price Category 12
982976.00X	L 294, B 70, H 55	



Accessories: Page 738



Spotlights | LIGHTSTREAM midi



Type of protection: **IP 66**
Protection class: I
Impact protection: IK06

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Tilt angle can be adjusted and locked in 5 degree steps featuring angular scale. Cover clear single-pane toughened glass, edge printed. Cover screwed to housing. With membrane valve as a standard to avoid condensed water. Lens system made of plastic (PMMA). Light distribution optimised for road or area lighting. Replaceable LED spot modules according to ZHAGA standards. Constant light output (CLO). Converter compatible with DC. With NFC programming interface. Pre-assembled connection cable, length 0.5 m.

Modular design: Mounting set must be ordered separately.

Available colours (X): 31 = anthracite, 4 = silver



Comparison
LED vs. conventional lamps

LED 93 W ≈
1 x 150 W HIT (160 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Area floodlight							**Price Category 12**
Medium lens							
722286.00X	L 516, B 220, H 56	830	13800	93	148	25	on/off
722286.00X.76	L 516, B 220, H 56	830	13800	93	148	25	DALI
722286.00X.1	L 516, B 220, H 56	840	14800	93	159	25	on/off
722286.00X.1.76	L 516, B 220, H 56	840	14800	93	159	25	DALI
Wide flood lens							
722287.00X	L 516, B 220, H 56	830	13700	93	147	55/55	on/off
722287.00X.76	L 516, B 220, H 56	830	13700	93	147	55/55	on/off
722287.00X.1	L 516, B 220, H 56	840	14700	93	158	55/55	on/off
722287.00X.1.76	L 516, B 220, H 56	840	14700	93	158	55/55	on/off
Extra wide flood lens							
722288.00X	L 516, B 220, H 56	830	13500	93	145	90/90	on/off
722288.00X.76	L 516, B 220, H 56	830	13500	93	145	90/90	DALI
722288.00X.1	L 516, B 220, H 56	840	14500	93	156	90/90	on/off
722288.00X.1.76	L 516, B 220, H 56	840	14500	93	156	90/90	DALI



Modules | LIGHTSTREAM - Pole tops

Pole attachment for installation on the pole top. Pressure die-cast aluminium, seawater resistant powder-coated. For spigot diameter Ø 76 mm. Set of stainless steel fixing screws included. Cable gland into the pole as protection against rainwater.

Available colours (X): 31 = anthracite, 4 = silver

Pole tops			Price Category 12
982978.00X	L 91, B 87, H 168	Pole attachment for 76 mm spigot.	





Reducing adapters			Price Category 12
982983.000	D 78, H 97	For reducing Ø 76 mm spigot size to Ø 42mm.	
982562.000	L 43, B 76, H 95	For reducing Ø 76 mm spigot size to Ø 60 mm	



Modules | LIGHTSTREAM - Universal mounting bracket

Mounting bracket for attachment to floor, wall and ceiling. Stainless steel, seawater resistant powder-coated.

Available colours (X): 31 = anthracite, 4 = silver

Universal mounting bracket		Price Category 12
982975.00X	L 180, B 53, H 55	



Modules | LIGHTSTREAM - Mounting bracket for facade systems

Mounting bracket for installation on facade systems. Increased cross-sectional area and larger hole spacing for better force distribution. Stainless steel, seawater resistant powder-coated.

Available colours (X): 31 = anthracite, 4 = silver

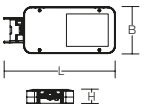
Mounting bracket for facade systems		Price Category 12
982976.00X	L 294, B 70, H 55	



Accessories: Page 738

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Spotlights | LIGHTSTREAM maxi





Type of protection: **IP 66**
Protection class: I
Impact protection: IK06

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Tilt angle can be adjusted and locked in 5 degree steps featuring angular scale. Cover clear single-pane toughened glass, edge printed. Cover screwed to housing. With membrane valve as a standard to avoid condensed water. Lens system made of plastic (PMMA). Light distribution optimised for road or area lighting. Replaceable LED spot modules according to ZHAGA standards. Constant light output (CLO). Converter compatible with DC. With NFC programming interface. Pre-assembled connection cable, length 0.5 m.

Modular design: Mounting set must be ordered separately.

Available colours (X): 31 = anthracite, 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Area floodlight							**Price Category 12**
Medium lens							
722289.00X	L 743, B 291, H 56	830	36700	248	148	25	on/off
722289.00X.76	L 743, B 291, H 56	830	36700	248	148	25	DALI
722289.00X.1	L 743, B 291, H 56	840	39500	248	159	25	on/off
722289.00X.1.76	L 743, B 291, H 56	840	39500	248	159	25	DALI
Wide flood lens							
722290.00X	L 743, B 291, H 56	830	36600	248	148	55/55	on/off
722290.00X.76	L 743, B 291, H 56	830	36600	248	148	55/55	DALI
722290.00X.1	L 743, B 291, H 56	840	39300	248	158	55/55	on/off
722290.00X.1.76	L 743, B 291, H 56	840	39300	248	158	55/55	DALI
Extra wide flood lens							
722291.00X	L 743, B 291, H 56	830	36000	248	145	90/90	on/off
722291.00X.76	L 743, B 291, H 56	830	36000	248	145	90/90	DALI
722291.00X.1	L 743, B 291, H 56	840	38600	248	156	90/90	on/off
722291.00X.1.76	L 743, B 291, H 56	840	38600	248	156	90/90	DALI

Comparison
LED vs. conventional lamps

LED 248 W ≈
1 x 400 W HIE (440 W Psys)

Modules | LIGHTSTREAM - Pole tops



Pole attachment for installation on the pole top. Pressure die-cast aluminium, seawater resistant powder-coated. For spigot diameter Ø 76 mm. Set of stainless steel fixing screws included. Cable gland into the pole as protection against rainwater.

Available colours (X): 31 = anthracite, 4 = silver

Pole tops			Price Category 12
982978.00X	L 91, B 87, H 168	Pole attachment for 76 mm spigot.	





Reducing adapters			Price Category 12
982983.000	D 78, H 97	For reducing Ø 76 mm spigot size to Ø 42mm.	
982562.000	L 43, B 76, H 95	For reducing Ø 76 mm spigot size to Ø 60 mm	

Modules | LIGHTSTREAM - Universal mounting bracket



Mounting bracket for attachment to floor, wall and ceiling. Stainless steel, seawater resistant powder-coated.

Available colours (X): 31 = anthracite, 4 = silver

Universal mounting bracket		Price Category 12
982975.00X	L 180, B 53, H 55	

Modules | LIGHTSTREAM - Mounting bracket for facade systems



Mounting bracket for installation on facade systems. Increased cross-sectional area and larger hole spacing for better force distribution. Stainless steel, seawater resistant powder-coated.

Available colours (X): 31 = anthracite, 4 = silver

Mounting bracket for facade systems		Price Category 12
982976.00X	L 294, B 70, H 55	

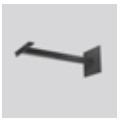


Accessories: Page 739



Accessories | LIGHTSTREAM mini / midi

Mounting of the luminaire only possible with universal mounting bracket 982975.00X on the following accessories.



Accessories | Wall bracket
Wall arm for wall mounting. Made of stainless steel, blasted or powder coated finish. Option of top or lateral mounting at frontal bracket. Hidden cabling inside tubular profile with additional inlet at wall mounting plate.

Wall bracket			Price Category 12
982058.000	L 500, B 180, H 180	Overall lenght 500 mm, uncoated	
982058.0031	L 500, B 180, H 180	Overall lenght 500 mm, anthracite metallic	
982086.000	L 1000, B 180, H 180	Overall lenght 1000 mm, uncoated	
982086.0031	L 1000, B 180, H 180	Overall lenght 1000 mm, anthracite metallic	



Accessories | Pole tops
Pole attachment for installation on the pole top. Steel, hot-dip galvanised, unpainted or powder coated. Set of stainless steel fixing screws included. Cable gland into the pole as strain-relief and protection against rainwater.

Pole top fixings opposite mounting			Price Category 12
982049.000	L 250, B 114, H 153	for spigot 60 mm, uncoated	
982049.00X	L 250, B 114, H 153	for spigot 60 mm, powder-coated	
982050.000	L 250, B 114, H 153	for spigot 76 mm, uncoated	
982050.00X	L 250, B 114, H 153	for spigot 76 mm, powder-coated	



Accessories | Adapter set
Adapter plate set for mounting from several spotlights on a double pole attachment. stainless steel, powder coated. With IP 66 junction box and additional fixing screws. **The double pole attachment for a matching top dimension must be ordered separately.**

Adapter set for pole attachments			Price Category 11
982524.00X	L 395, B 395, H 120	Adapter set for 4-fold configuration (4 x 90°)	



Accessories | Pole clip
Mounting bracket for lateral attachment along the pole. Stainless steel bracket with galvanised srews. Smooth span width for different mounting heights. Installation of the luminaire only possible with mounting bracket.

Pole clip			Price Category 12
982092.000	L 178, B 174, H 38	for pole diameter 95 - 114 mm, uncoated	
982093.000	L 178, B 194, H 38	for pole diameter 115 - 135 mm, uncoated	

Powder coating on request.



Accessories | Fuse box
Housing: plastic. Contact protection in accordance with VBG 4. Input for 3 cables 5 x 16 mm^2. One D01 / E14 Fuse. 2 outgoing lines.

Fuse box			Price Category 12
61199.009	L 265, B 72, H 75	Fuse box.	



Junction box H with strain relief			Price Category 11
982638.003	L 78, B 53, H 28	Max. 4 x 1.5 mm^2 and cable diameter Ø 0.75 - 12 mm. 1 x In / 3 x Out, including 1 blind plug.	

Round clip with strain relief			Price Category 12
982977.003	D 23, L 64,	Max. 4 x 4 mm^2 and cable diameter Ø 7 - 12 mm.	
982974.003	D 23, L 89,	Max. 5 x 1.5 mm^2 and cable diameter Ø 5 - 12 mm.	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Accessories | LIGHTSTREAM maxi

Mounting of the luminaire only possible with mounting bracket for facade systems 982976.00X on the following accessories.



Accessories | Pole tops
Pole attachment for installation on the pole top. Steel, hot-dip galvanised, unpainted or powder coated. Set of stainless steel fixing screws included. Cable gland into the pole as strain-relief and protection against rainwater.



Pole tops fixings opposite mounting			Price Category 12
982003.000	L 346, B 112, H 154	for spigot 76 mm, uncoated	
982003.00X	L 346, B 112, H 154	for spigot 76 mm, powder-coated	
982004.000	L 346, B 136, H 204	for spigot 89 mm, uncoated	
982004.00X	L 346, B 136, H 204	for spigot 89 mm, powder-coated	
982005.000	L 346, B 136, H 204	for spigot 108 mm, uncoated	
982005.00X	L 346, B 136, H 204	for spigot 108 mm, powder-coated	

Accessories | Adapter set
Adapter plate set for mounting from several spotlights on a double pole attachment. stainless steel, powder coated. With IP 66 junction box and additional fixing screws. **The double pole attachment for a matching top dimension must be ordered separately.**



Adapter set for pole attachments			Price Category 12
982401.00X	L 525, B 381, H 87	Adapter set for 3-fold configuration (3 x 120°)	
982525.00X	L 460, B 410, H 55	Adapter set for 4-fold configuration (4 x 90°)	

Accessories | Pole clip
Mounting bracket for lateral attachment along the pole. Stainless steel bracket with galvanised srews. Smooth span width for different mounting heights. Installation of the luminaire only possible with mounting bracket.



Pole clip			Price Category 12
982478.00X	L 346, B 235, H 90	for pole diameter 95 - 140 mm, powder-coated	

Accessories | Fuse box
Housing: plastic. Contact protection in accordance with VBG 4. Input for 3 cables 5 x 16 mm^2. One D01 / E14 Fuse. 2 outgoing lines.



Fuse box			Price Category 12
61199.009	L 265, B 72, H 75	Fuse box.	



Junction box H with strain relief			Price Category 11
982638.003	L 78, B 53, H 28	Max. 4 x 1.5 mm^2 and cable diameter Ø 0.75 - 12 mm. 1 x In / 3 x Out, including 1 blind plug.	

Round clip with strain relief			Price Category 12
982977.003	D 23, L 64,	Max. 4 x 4 mm^2 and cable diameter Ø 7 - 12 mm.	
982974.003	D 23, L 89,	Max. 5 x 1.5 mm^2 and cable diameter Ø 5 - 12 mm.	





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The application image shows:
LIGHTSTREAM
LINEDO



The application image shows:
MINGATA

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LIGHTSTREAM
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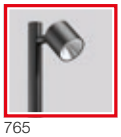

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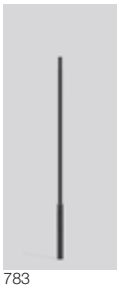

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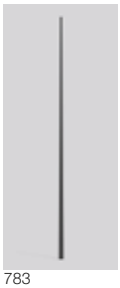
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LUPALO SCANDIA
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Steel poles
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LIGHTSTREAM

Spotlights

ARCHITECTURE

- **Versatile:** Clever combination of spotlight and pole luminaire in one.
- **Robust:** Seawater resistant coating.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Reliable planning:** The comprehensive selection of light distributions and light outputs allows for an universal application regarding illumination of private paths, public roads up to area lighting (parking lots) according to EN 13201.
- **Dark Sky:** Protects insects and the environment. Avoiding light pollution.
- **Standard:** Control gear with integrated surge protection up to 10 kV.

INSTALLATION

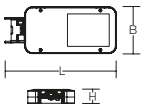
- **Easy installation:** Quick and easy installation due to pre-wired connection cable.
- **Advantageous:** Extensive mounting accessories for any application scenarios.
- **Smart Lighting:** Versions with Zhaga Book 18 sockets available for the integration of components for light management systems or sensors.



Further luminaires of this series, see:
Outdoor lighting | Projectors and floodlights

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Spotlights | LIGHTSTREAM mini





Type of protection: **IP 66**
Protection class: I
Impact protection: IK06

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Tilt angle can be adjusted and locked in 5 degree steps featuring angular scale. Cover clear single-pane toughened glass, edge printed. Cover screwed to housing. With membrane valve as a standard to avoid condensed water. Lens system made of plastic (PMMA). Light distribution optimised for road or area lighting. Replaceable LED spot modules according to ZHAGA standards. Constant light output (CLO). Converter compatible with DC. With NFC programming interface. Pre-assembled connection cable, length 6 m.

Modular design: Mounting set must be ordered separately.

Available colours (X): 31 = anthracite, 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Area floodlight						**Price Category 12**
Asymmetrical linear light distribution for narrow streets and paths according to DIN EN 13201						
722283.11X	L 395, B 166, H 49	830	4300	31	139	on/off
722283.11X.76	L 395, B 166, H 49	830	4300	31	139	DALI
722283.11X.1	L 395, B 166, H 49	840	4600	31	148	on/off
722283.11X.1.76	L 395, B 166, H 49	840	4600	31	148	DALI
Asymmetrical linear light distribution for wide streets and paths according to DIN EN 13201						
722284.11X	L 395, B 166, H 49	830	4400	31	142	on/off
722284.11X.76	L 395, B 166, H 49	830	4400	31	142	DALI
722284.11X.1	L 395, B 166, H 49	840	4700	31	152	on/off
722284.11X.1.76	L 395, B 166, H 49	840	4700	31	152	DALI
Asymmetrical narrow beam light distribution for area lighting (e.g. parking lots, loading zones)						
722285.11X	L 395, B 166, H 49	830	4100	31	132	on/off
722285.11X.76	L 395, B 166, H 49	830	4100	31	132	DALI
722285.11X.1	L 395, B 166, H 49	840	4400	31	142	on/off
722285.11X.1.76	L 395, B 166, H 49	840	4400	31	142	DALI

Comparison
LED vs. conventional lamps

LED 31 W ≈
1 x 50 W HIT (56 W Psys)

Modules | LIGHTSTREAM - Pole tops



Pole attachment for installation on the pole top. Pressure die-cast aluminium, seawater resistant powder-coated. For spigot diameter Ø 76 mm. Set of stainless steel fixing screws included. Cable gland into the pole as protection against rainwater.

Available colours (X): 31 = anthracite, 4 = silver

Pole tops			**Price Category 12**
982978.00X	L 91, B 87, H 168	Pole attachment for 76 mm spigot.	

Reducing adapters			**Price Category 12**
982983.000	D 78, H 97	For reducing Ø 76 mm spigot size to Ø 42mm.	
982562.000	L 43, B 76, H 95	For reducing Ø 76 mm spigot size to Ø 60 mm	

Modules | LIGHTSTREAM - Universal mounting bracket



Mounting bracket for attachment to floor, wall and ceiling. Stainless steel, seawater resistant powder-coated.

Available colours (X): 31 = anthracite, 4 = silver

Universal mounting bracket		**Price Category 12**
982975.00X	L 180, B 53, H 55	

Modules | LIGHTSTREAM - Mounting bracket for facade systems



Mounting bracket for installation on facade systems. Increased cross-sectional area and larger hole spacing for better force distribution. Stainless steel, seawater resistant powder-coated.

Available colours (X): 31 = anthracite, 4 = silver

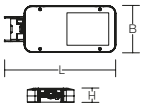
Mounting bracket for facade systems		**Price Category 12**
982976.00X	L 294, B 70, H 55	



Accessories: Page 748



Spotlights | LIGHTSTREAM midi



Type of protection: **IP 66**
Protection class: I
Impact protection: IK06

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Tilt angle can be adjusted and locked in 5 degree steps featuring angular scale. Cover clear single-pane toughened glass, edge printed. Cover screwed to housing. With membrane valve as a standard to avoid condensed water. Lens system made of plastic (PMMA). Light distribution optimised for road or area lighting. Replaceable LED spot modules according to ZHAGA standards. Constant light output (CLO). Converter compatible with DC. With NFC programming interface. Pre-assembled connection cable, length 8 m.

Modular design: Mounting set must be ordered separately.

Available colours (X): 31 = anthracite, 4 = silver



Comparison
LED vs. conventional lamps

LED 93 W ≈
2 x 70 W HIT (159 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Area floodlight						**Price Category 12**
Asymmetrical linear light distribution for narrow streets and paths according to DIN EN 13201						
722286.11X	L 516, B 220, H 56	830	12800	93	138	on/off
722286.11X.76	L 516, B 220, H 56	830	12800	93	138	DALI
722286.11X.1	L 516, B 220, H 56	840	13800	93	148	on/off
722286.11X.1.76	L 516, B 220, H 56	840	13800	93	148	DALI
Asymmetrical linear light distribution for wide streets and paths according to DIN EN 13201						
722287.11X	L 516, B 220, H 56	830	13100	93	141	on/off
722287.11X.76	L 516, B 220, H 56	830	13100	93	141	DALI
722287.11X.1	L 516, B 220, H 56	840	14100	93	152	on/off
722287.11X.1.76	L 516, B 220, H 56	840	14100	93	152	DALI
Asymmetrical narrow beam light distribution for area lighting (e.g. parking lots, loading zones)						
722288.11X	L 516, B 220, H 56	830	12300	93	132	on/off
722288.11X.76	L 516, B 220, H 56	830	12300	93	132	DALI
722288.11X.1	L 516, B 220, H 56	840	13200	93	142	on/off
722288.11X.1.76	L 516, B 220, H 56	840	13200	93	142	DALI



Modules | LIGHTSTREAM - Pole tops

Pole attachment for installation on the pole top. Pressure die-cast aluminium, seawater resistant powder-coated. For spigot diameter Ø 76 mm. Set of stainless steel fixing screws included. Cable gland into the pole as protection against rainwater.

Available colours (X): 31 = anthracite, 4 = silver

Pole tops			Price Category 12
982978.00X	L 91, B 87, H 168	Pole attachment for 76 mm spigot.	





Reducing adapters			Price Category 12
982983.000	D 78, H 97	For reducing Ø 76 mm spigot size to Ø 42mm.	
982562.000	L 43, B 76, H 95	For reducing Ø 76 mm spigot size to Ø 60 mm	



Modules | LIGHTSTREAM - Universal mounting bracket

Mounting bracket for attachment to floor, wall and ceiling. Stainless steel, seawater resistant powder-coated.

Available colours (X): 31 = anthracite, 4 = silver

Universal mounting bracket		Price Category 12
982975.00X	L 180, B 53, H 55	



Modules | LIGHTSTREAM - Mounting bracket for facade systems

Mounting bracket for installation on facade systems. Increased cross-sectional area and larger hole spacing for better force distribution. Stainless steel, seawater resistant powder-coated.

Available colours (X): 31 = anthracite, 4 = silver

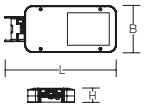
Mounting bracket for facade systems		Price Category 12
982976.00X	L 294, B 70, H 55	



Accessories: Page 748

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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Spotlights | LIGHTSTREAM maxi





Type of protection: **IP 66**
Protection class: I
Impact protection: IK06

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Tilt angle can be adjusted and locked in 5 degree steps featuring angular scale. Cover clear single-pane toughened glass, edge printed. Cover screwed to housing. With membrane valve as a standard to avoid condensed water. Lens system made of plastic (PMMA). Light distribution optimised for road or area lighting. Replaceable LED spot modules according to ZHAGA standards. Constant light output (CLO). Converter compatible with DC. With NFC programming interface. Pre-assembled connection cable, length12 m.

Modular design: Mounting set must be ordered separately.

Available colours (X): 31 = anthracite, 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Area floodlight						**Price Category 12**
Asymmetrical linear light distribution for narrow streets and paths according to DIN EN 13201						
722289.11X	L 743, B 291, H 56	830	34200	248	138	on/off
722289.11X.76	L 743, B 291, H 56	830	34200	248	138	DALI
722289.11X.1	L 743, B 291, H 56	840	36700	248	148	on/off
722289.11X.1.76	L 743, B 291, H 56	840	36700	248	148	DALI
Asymmetrical linear light distribution for wide streets and paths according to DIN EN 13201						
722290.11X	L 743, B 291, H 56	830	34900	248	141	on/off
722290.11X.76	L 743, B 291, H 56	830	34900	248	141	DALI
722290.11X.1	L 743, B 291, H 56	840	37500	248	151	on/off
722290.11X.1.76	L 743, B 291, H 56	840	37500	248	151	DALI
Asymmetrical narrow beam light distribution for area lighting (e.g. parking lots, loading zones)						
722291.11X	L 743, B 291, H 56	830	32700	248	132	on/off
722291.11X.76	L 743, B 291, H 56	830	32700	248	132	DALI
722291.11X.1	L 743, B 291, H 56	840	35200	248	142	on/off
722291.11X.1.76	L 743, B 291, H 56	840	35200	248	142	DALI

Comparison
LED vs. conventional lamps

LED 248 W ≈
1 x 400 W HIE (440 W Psys)

Modules | LIGHTSTREAM - Pole tops



Pole attachment for installation on the pole top. Pressure die-cast aluminium, seawater resistant powder-coated. For spigot diameter Ø 76 mm. Set of stainless steel fixing screws included. Cable gland into the pole as protection against rainwater.

Available colours (X): 31 = anthracite, 4 = silver

Pole tops			Price Category 12
982978.00X	L 91, B 87, H 168	Pole attachment for 76 mm spigot.	

Reducing adapters			Price Category 12
982983.000	D 78, H 97	For reducing Ø 76 mm spigot size to Ø 42mm.	
982562.000	L 43, B 76, H 95	For reducing Ø 76 mm spigot size to Ø 60 mm	





Modules | LIGHTSTREAM - Universal mounting bracket



Mounting bracket for attachment to floor, wall and ceiling. Stainless steel, seawater resistant powder-coated.

Available colours (X): 31 = anthracite, 4 = silver

Universal mounting bracket		Price Category 12
982975.00X	L 180, B 53, H 55	

Modules | LIGHTSTREAM - Mounting bracket for facade systems



Mounting bracket for installation on facade systems. Increased cross-sectional area and larger hole spacing for better force distribution. Stainless steel, seawater resistant powder-coated.

Available colours (X): 31 = anthracite, 4 = silver

Mounting bracket for facade systems		Price Category 12
982976.00X	L 294, B 70, H 55	



Accessories: Page 748



Accessories | LIGHTSTREAM



Accessories | Multiple brackets
Pole bracket for side mounting, hot-dip galvanized steel. For spigot diameter Ø 76 mm. Bracket arm length 500 mm, Ø 60 mm.
Please order reducer (982562.000) adapter separately for installation the luminaire on the bracket!

Multiple brackets			Price Category 12
982588.000	L 1015, B 90, H 250	Pole bracket for 2 luminaires, uncoated	
982588.00X	L 1015, B 90, H 250	Pole bracket for 2 luminaires, powder-coated	
982589.000	L 894, B 787, H 250	Pole bracket for 3 luminaires, uncoated	
982589.00X	L 894, B 787, H 250	Pole bracket for 3 luminaires, powder-coated	
982590.000	L 1015, B 1015, H 250	Pole bracket for 4 luminaires, uncoated	
982590.00X	L 1015, B 1015, H 250	Pole bracket for 4 luminaires, powder-coated	



Reducing adapters			Price Category 12
982562.000	L 43, B 76, H 95	For reducing Ø 76 mm spigot size to Ø 60 mm	



Accessories | Wall bracket
Wall bracket made of hot-dip galvanized steel. Bracket arm length 215 mm, Ø 76 mm, 75 ° vertically inclined.

Wall bracket			Price Category 12
982591.000	L 215, B 150, H 150	Wall bracket, uncoated	
982591.00X	L 215, B 150, H 150	Wall bracket, powder-coated	



Accessories | Pole clip
Mounting bracket for lateral attachment along the pole. Stainless steel bracket with galvanised srews. Smooth span width for different mounting heights. Installation of the luminaire only possible with mounting bracket.

Pole clip			Price Category 12
Mini/Midi			
982092.000	L 178, B 174, H 38	for pole diameter 95 - 114 mm, uncoated	
982093.000	L 178, B 194, H 38	for pole diameter 115 - 135 mm, uncoated	
Maxi			
982478.00X	L 346, B 235, H 90	for pole diameter 95 - 140 mm, powder-coated	

Mini/Midi: powder coating on request.



Accessories | Fuse box
Housing: plastic. Contact protection in accordance with VBG 4. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 outgoing lines.

Fuse box			Price Category 12
61199.009	L 265, B 72, H 75	Fuse box.	



Junction box H with strain relief			Price Category 11
982638.003	L 78, B 53, H 28	Max. 4 x 1.5 mm² and cable diameter Ø 0.75 - 12 mm. 1 x In / 3 x Out, including 1 blind plug.	

Round clip with strain relief			Price Category 12
982977.003	D 23, L 64,	Max. 4 x 4 mm² and cable diameter Ø 7 - 12 mm.	
982974.003	D 23, L 89,	Max. 5 x 1.5 mm² and cable diameter Ø 5 - 12 mm.	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



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The application image shows:
LIGHTSTREAM
LINEDO

MINGATA

Everything at a glance



Tempered safety glass (ESG).

Future-proof:

Simple LED replacement by Zhaga standard.

Housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated).

2 mast attachments for spigot size 76 mm (60 mm via reducing adapter) and 42 mm.

Plug & Play

Plug & Play concept for simple and safe installation: pre-assembled 8 m connecting cable means that the luminaire does not have to be opened for installation.

Longer cable possible on request.



Tool-free replacement of the gear tray
with LED and ballast thanks to Hybrid Lock System.



Hybrid Lock System

- Fixed maintenance position
- Quick tool-free replacement
- No corrosion due to material mix



Eccentric Lock System

- Safe locking by eccentric system
- Tool-free opening
- One-handed operation



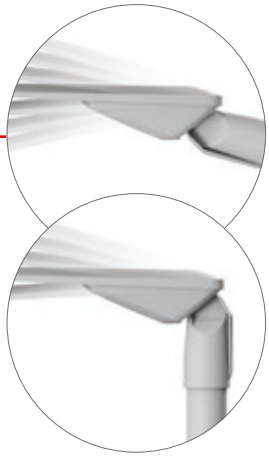
Zhaga NEMA

Smart Lighting
Versions with either 1 or 2 **Zhaga Book 18 / NEMA sockets** available for the integration of components for light management systems or sensors.

Installation on the pole as pole-top or side-mounted pole-top luminaire. Adjustable and lockable in 5° steps:

Side mounting: tilted from 0° to -30° (poles with curved bracket)

Top mounting: tilted from -5° to +15° (straight poles)





MINGATA

Outdoor luminaires and pole top luminaires

ARCHITECTURE

- **Variable:** Installation on the pole as pole-top or side-mounted pole-top luminaire.
- **Robust:** Seawater resistant coating.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Versatile:** The comprehensive selection of light distributions and light outputs allows for an universal application regarding illumination of private paths, public roads up to area lighting (parking lots) according to EN 13201.
- **Dark Sky:** Protects insects and the environment. Avoiding light pollution.
- **Standard:** Control gear with integrated surge protection up to 10 kV.
- **Future-proof:**Easy LED replacement thanks to Zhaga standard.
- **Long service life:** LED rated life 100000 h (L_{CLO}) at 25°C ambient temperature.

INSTALLATION

- **Easy installation:** Plug & Play concept for simple and safe installation: pre-assembled 8 m connecting cable means that the luminaire does not have to be opened for installation.
- **Straightforward:** Tool-free maintenance / replacement by Eccentric-Lock system and Hybrid-Lock-System.
- **Flexible:** Adjustable and lockable in 5° steps.
- **Smart Lighting:** Versions with Zhaga Book 18 / NEMA sockets available for the integration of components for light management systems or sensors.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

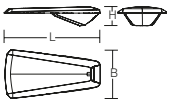


© Linus Lintner

The application image shows:
MINGATA



Outdoor luminaires and pole top luminaires | MINGATA mini



Type of protection: **IP 66**
Protection class: II
Impact protection: IK08

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Pole-top fixing with integrated cable routing and stainless steel screws. Tilt angle can be adjusted and locked in 5 degree steps featuring angular scale. Cover clear single-pane toughened glass. With membrane valve as a standard to avoid condensed water. Tool-free maintenance / replacement by Eccentric-Lock system with disconnect plug and Hybrid-Lock-System. Light distribution optimised for road or area lighting. DALI control gear with integrated surge protection up to 10 kV. Constant light output (CLO). Converter compatible with DC. With NFC programming interface. 4 x 1.0 mm² connecting cable included, length 8 m. Other lengths on request.

Colour temperature 2200 K and 2700 K available on request.

Available colours (X): 31 = anthracite, 4 = silver

Comparison
LED vs. conventional lamps

LED 15 W ≈
1 x 35 W HIT (43 W Psys)

LED 28 W ≈
1 x 50 W HIT (56 W Psys)

LED 45 W ≈
1 x 70 W HIT (84 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Luminaires for spigot Ø 42 mm						**Price Category 12**
Asymmetrical linear light distribution for streets and paths according to DIN EN 13201						
612191.00X.76	L 530, B 270, H 100	730	2000	15	133	DALI
612191.00X.1.76	L 530, B 270, H 100	740	2000	15	133	DALI
612192.00X.76	L 530, B 270, H 100	730	4000	28	143	DALI
612192.00X.1.76	L 530, B 270, H 100	740	4000	28	143	DALI
612193.00X.76	L 530, B 270, H 100	730	6000	45	133	DALI
612193.00X.1.76	L 530, B 270, H 100	740	6000	45	133	DALI
Asymmetrical narrow beam light distribution for area lighting (e.g. parking lots, loading zones)						
612194.00X.76	L 530, B 270, H 100	730	2000	15	133	DALI
612194.00X.1.76	L 530, B 270, H 100	740	2000	15	133	DALI
612195.00X.76	L 530, B 270, H 100	730	4000	28	143	DALI
612195.00X.1.76	L 530, B 270, H 100	740	4000	28	143	DALI
612196.00X.76	L 530, B 270, H 100	730	6000	45	133	DALI
612196.00X.1.76	L 530, B 270, H 100	740	6000	45	133	DALI
Luminaires for spigot Ø 76 mm						**Price Category 12**
Asymmetrical linear light distribution for streets and paths according to DIN EN 13201						
612171.00X.76	L 530, B 270, H 100	730	2000	15	133	DALI
612171.00X.1.76	L 530, B 270, H 100	740	2000	15	133	DALI
612174.00X.76	L 530, B 270, H 100	730	4000	28	143	DALI
612174.00X.1.76	L 530, B 270, H 100	740	4000	28	143	DALI
612177.00X.76	L 530, B 270, H 100	730	6000	45	133	DALI
612177.00X.1.76	L 530, B 270, H 100	740	6000	45	133	DALI
Asymmetrical narrow beam light distribution for area lighting (e.g. parking lots, loading zones)						
612172.00X.76	L 530, B 270, H 100	730	2000	15	133	DALI
612172.00X.1.76	L 530, B 270, H 100	740	2000	15	133	DALI
612175.00X.76	L 530, B 270, H 100	730	4000	28	143	DALI
612175.00X.1.76	L 530, B 270, H 100	740	4000	28	143	DALI
612178.00X.76	L 530, B 270, H 100	730	6000	45	133	DALI
612178.00X.1.76	L 530, B 270, H 100	740	6000	45	133	DALI



Accessories | Multiple brackets
Pole bracket for side mounting, hot-dip galvanized steel. For spigot diameter Ø 76 mm. Bracket arm length 500 mm, Ø 60 mm.
Please order reducer adapter separately for installation the luminaire on the bracket!

Multiple brackets			Price Category 12
982588.000	L 1015, B 90, H 250	Pole bracket for 2 luminaires, uncoated	
982589.000	L 894, B 787, H 250	Pole bracket for 3 luminaires, uncoated	
982590.000	L 1015, B 1015, H 250	Pole bracket for 4 luminaires, uncoated	



Reducing adapters			Price Category 12
982562.000	L 43, B 76, H 95	For reducing Ø 76 mm spigot size to Ø 60 mm	



Accessories | Wall bracket
Wall bracket made of hot-dip galvanized steel. Bracket arm length 215 mm, Ø 76 mm, 75 ° vertically inclined.

Wall bracket			Price Category 12
982591.000	L 215, B 150, H 150	Wall bracket, uncoated	
982591.00X	L 215, B 150, H 150	Wall bracket, powder-coated	

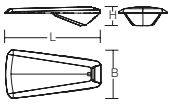


Accessories | Fuse box
Housing: plastic. Contact protection in accordance with VBG 4. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 outgoing lines.

Fuse box			Price Category 12
61199.009	L 265, B 72, H 75	Fuse box.	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Outdoor luminaires and pole top luminaires | MINGATA mini - Zhaga socket





Type of protection: **IP 66**
Protection class: II
Impact protection: IK08

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Pole-top fixing with integrated cable routing and stainless steel screws. Tilt angle can be adjusted and locked in 5 degree steps featuring angular scale. Cover clear single-pane toughened glass. With membrane valve as a standard to avoid condensed water. Tool-free maintenance / replacement by Eccentric-Lock system with disconnect plug and Hybrid-Lock-System. Light distribution optimised for road or area lighting. DALI control gear with integrated surge protection up to 10 kV. Constant light output (CLO). Converter compatible with DC. With NFC programming interface. 4 x 1.0 mm^2 connecting cable included, length 8 m. Other lengths on request.

Colour temperature 2200 K and 2700 K available on request.

Available colours (X): 31 = anthracite, 4 = silver

The integrated Zhaga base allows sensors and light management systems to be retrofitted without the need for tools.

Comparison
LED vs. conventional lamps

LED 15 W ≈
1 x 35 W HIT (43 W Psys)

LED 28 W ≈
1 x 50 W HIT (56 W Psys)

LED 45 W ≈
1 x 70 W HIT (84 W Psys)

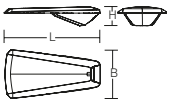
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Luminaires for spigot Ø 76 mm - with Zhaga socket (Book 18) on top						**Price Category 12**
Asymmetrical linear light distribution for streets and paths according to DIN EN 13201						
612171.00X.Z1	L 530, B 270, H 100	730	2000	15	133	DALI Zhaga
612171.00X.1.Z1	L 530, B 270, H 100	740	2000	15	133	DALI Zhaga
612174.00X.Z1	L 530, B 270, H 100	730	4000	28	143	DALI Zhaga
612174.00X.1.Z1	L 530, B 270, H 100	740	4000	28	143	DALI Zhaga
612177.00X.Z1	L 530, B 270, H 100	730	6000	45	133	DALI Zhaga
612177.00X.1.Z1	L 530, B 270, H 100	740	6000	45	133	DALI Zhaga
Asymmetrical narrow beam light distribution for area lighting (e.g. parking lots, loading zones)						
612172.00X.Z1	L 530, B 270, H 100	730	2000	15	133	DALI Zhaga
612172.00X.1.Z1	L 530, B 270, H 100	740	2000	15	133	DALI Zhaga
612175.00X.Z1	L 530, B 270, H 100	730	4000	28	143	DALI Zhaga
612175.00X.1.Z1	L 530, B 270, H 100	740	4000	28	143	DALI Zhaga
612178.00X.Z1	L 530, B 270, H 100	730	6000	45	133	DALI Zhaga
612178.00X.1.Z1	L 530, B 270, H 100	740	6000	45	133	DALI Zhaga
Luminaires for spigot Ø 76 mm - with Zhaga socket (Book 18) on top and bottom						**Price Category 12**
Asymmetrical linear light distribution for streets and paths according to DIN EN 13201						
612171.00X.Z2	L 530, B 270, H 100	730	2000	15	133	DALI Zhaga
612171.00X.1.Z2	L 530, B 270, H 100	740	2000	15	133	DALI Zhaga
612174.00X.Z2	L 530, B 270, H 100	730	4000	28	143	DALI Zhaga
612174.00X.1.Z2	L 530, B 270, H 100	740	4000	28	143	DALI Zhaga
612177.00X.Z2	L 530, B 270, H 100	730	6000	45	133	DALI Zhaga
612177.00X.1.Z2	L 530, B 270, H 100	740	6000	45	133	DALI Zhaga
Asymmetrical narrow beam light distribution for area lighting (e.g. parking lots, loading zones)						
612172.00X.Z2	L 530, B 270, H 100	730	2000	15	133	DALI Zhaga
612172.00X.1.Z2	L 530, B 270, H 100	740	2000	15	133	DALI Zhaga
612175.00X.Z2	L 530, B 270, H 100	730	4000	28	143	DALI Zhaga
612175.00X.1.Z2	L 530, B 270, H 100	740	4000	28	143	DALI Zhaga
612178.00X.Z2	L 530, B 270, H 100	730	6000	45	133	DALI Zhaga
612178.00X.1.Z2	L 530, B 270, H 100	740	6000	45	133	DALI Zhaga







Outdoor luminaires and pole top luminaires | MINGATA midi



Type of protection: **IP 66**
Protection class: II
Impact protection: IK08

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Pole-top fixing with integrated cable routing and stainless steel screws. Tilt angle can be adjusted and locked in 5 degree steps featuring angular scale. Cover clear single-pane toughened glass. With membrane valve as a standard to avoid condensed water. Tool-free maintenance / replacement by Eccentric-Lock system with disconnect plug and Hybrid-Lock-System. Light distribution optimised for road or area lighting. DALI control gear with integrated surge protection up to 10 kV. Constant light output (CLO). Converter compatible with DC. With NFC programming interface. 4 x 1.0 mm² connecting cable included, length 8 m. Other lengths on request.

Colour temperature 2200 K and 2700 K available on request.

Available colours (X): 31 = anthracite, 4 = silver

Comparison
LED vs. conventional lamps

LED 51 W ≈
1 x 100 W HIT (106 W Psys)

LED 66 W ≈
1 x 150 W HIT (160 W Psys)

LED 84 W ≈
2 x 100 W HIT (212 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Luminaires for spigot Ø 42 mm						**Price Category 12**
Asymmetrical linear light distribution for streets and paths according to DIN EN 13201						
612200.00X.76	L 700, B 340, H 100	730	8000	51	157	DALI
612200.00X.1.76	L 700, B 340, H 100	740	8000	51	157	DALI
612201.00X.76	L 700, B 340, H 100	730	10000	66	152	DALI
612201.00X.1.76	L 700, B 340, H 100	740	10000	66	152	DALI
612202.00X.76	L 700, B 340, H 100	730	12000	84	143	DALI
612202.00X.1.76	L 700, B 340, H 100	740	12000	84	143	DALI
Asymmetrical narrow beam light distribution for area lighting (e.g. parking lots, loading zones)						
612203.00X.76	L 700, B 340, H 100	730	8000	51	157	DALI
612203.00X.1.76	L 700, B 340, H 100	740	8000	51	157	DALI
612204.00X.76	L 700, B 340, H 100	730	10000	66	152	DALI
612204.00X.1.76	L 700, B 340, H 100	740	10000	66	152	DALI
612205.00X.76	L 700, B 340, H 100	730	12000	84	143	DALI
612205.00X.1.76	L 700, B 340, H 100	740	12000	84	143	DALI
Luminaires for spigot Ø 76 mm						**Price Category 12**
Asymmetrical linear light distribution for streets and paths according to DIN EN 13201						
612180.00X.76	L 700, B 340, H 100	730	8000	51	157	DALI
612180.00X.1.76	L 700, B 340, H 100	740	8000	51	157	DALI
612183.00X.76	L 700, B 340, H 100	730	10000	66	152	DALI
612183.00X.1.76	L 700, B 340, H 100	740	10000	66	152	DALI
612186.00X.76	L 700, B 340, H 100	730	12000	84	143	DALI
612186.00X.1.76	L 700, B 340, H 100	740	12000	84	143	DALI
Asymmetrical narrow beam light distribution for area lighting (e.g. parking lots, loading zones)						
612181.00X.76	L 700, B 340, H 100	730	8000	51	157	DALI
612181.00X.1.76	L 700, B 340, H 100	740	8000	51	157	DALI
612184.00X.76	L 700, B 340, H 100	730	10000	66	152	DALI
612184.00X.1.76	L 700, B 340, H 100	740	10000	66	152	DALI
612187.00X.76	L 700, B 340, H 100	730	12000	84	143	DALI
612187.00X.1.76	L 700, B 340, H 100	740	12000	84	143	DALI



Accessories | Multiple brackets
Pole bracket for side mounting, hot-dip galvanized steel. For spigot diameter Ø 76 mm. Bracket arm length 500 mm, Ø 60 mm.
Please order reducer adapter separately for installation the luminaire on the bracket!

Multiple brackets			Price Category 12
982588.000	L 1015, B 90, H 250	Pole bracket for 2 luminaires, uncoated	
982589.000	L 894, B 787, H 250	Pole bracket for 3 luminaires, uncoated	
982590.000	L 1015, B 1015, H 250	Pole bracket for 4 luminaires, uncoated	



Reducing adapters			Price Category 12
982562.000	L 43, B 76, H 95	For reducing Ø 76 mm spigot size to Ø 60 mm	



Accessories | Wall bracket
Wall bracket made of hot-dip galvanized steel. Bracket arm length 215 mm, Ø 76 mm, 75 ° vertically inclined.

Wall bracket			Price Category 12
982591.000	L 215, B 150, H 150	Wall bracket, uncoated	
982591.00X	L 215, B 150, H 150	Wall bracket, powder-coated	

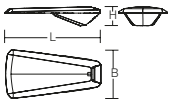


Accessories | Fuse box
Housing: plastic. Contact protection in accordance with VBG 4. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 outgoing lines.

Fuse box			Price Category 12
61199.009	L 265, B 72, H 75	Fuse box.	

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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Outdoor luminaires and pole top luminaires | MINGATA midi - Zhaga socket





Type of protection: **IP 66**
Protection class: II
Impact protection: IK08

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Pole-top fixing with integrated cable routing and stainless steel screws. Tilt angle can be adjusted and locked in 5 degree steps featuring angular scale. Cover clear single-pane toughened glass. With membrane valve as a standard to avoid condensed water. Tool-free maintenance / replacement by Eccentric-Lock system with disconnect plug and Hybrid-Lock-System. Light distribution optimised for road or area lighting. DALI control gear with integrated surge protection up to 10 kV. Constant light output (CLO). Converter compatible with DC. With NFC programming interface. 4 x 1.0 mm^2 connecting cable included, length 8 m. Other lengths on request.

Colour temperature 2200 K and 2700 K available on request.

Available colours (X): 31 = anthracite, 4 = silver

The integrated Zhaga base allows sensors and light management systems to be retrofitted without the need for tools.

Comparison
LED vs. conventional lamps

LED 51 W ≈
1 x 100 W HIT (106 W Psys)

LED 66 W ≈
1 x 150 W HIT (160 W Psys)

LED 84 W ≈
2 x 100 W HIT (212 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Luminaires for spigot Ø 76 mm - with Zhaga socket (Book 18) on top						**Price Category 12**
Asymmetrical linear light distribution for streets and paths according to DIN EN 13201						
612180.00X.Z1	L 700, B 340, H 100	730	8000	51	157	DALI Zhaga
612180.00X.1.Z1	L 700, B 340, H 100	740	8000	51	157	DALI Zhaga
612183.00X.Z1	L 700, B 340, H 100	730	10000	66	152	DALI Zhaga
612183.00X.1.Z1	L 700, B 340, H 100	740	10000	66	152	DALI Zhaga
612186.00X.Z1	L 700, B 340, H 100	730	12000	84	143	DALI Zhaga
612186.00X.1.Z1	L 700, B 340, H 100	740	12000	84	143	DALI Zhaga
Asymmetrical narrow beam light distribution for area lighting (e.g. parking lots, loading zones)						
612181.00X.Z1	L 700, B 340, H 100	730	8000	51	157	DALI Zhaga
612181.00X.1.Z1	L 700, B 340, H 100	740	8000	51	157	DALI Zhaga
612184.00X.Z1	L 700, B 340, H 100	730	10000	66	152	DALI Zhaga
612184.00X.1.Z1	L 700, B 340, H 100	740	10000	66	152	DALI Zhaga
612187.00X.Z1	L 700, B 340, H 100	730	12000	84	143	DALI Zhaga
612187.00X.1.Z1	L 700, B 340, H 100	740	12000	84	143	DALI Zhaga
Luminaires for spigot Ø 76 mm - with Zhaga socket (Book 18) on top and bottom						**Price Category 12**
Asymmetrical linear light distribution for streets and paths according to DIN EN 13201						
612180.00X.Z2	L 700, B 340, H 100	730	8000	51	157	DALI Zhaga
612180.00X.1.Z2	L 700, B 340, H 100	740	8000	51	157	DALI Zhaga
612183.00X.Z2	L 700, B 340, H 100	730	10000	66	152	DALI Zhaga
612183.00X.1.Z2	L 700, B 340, H 100	740	10000	66	152	DALI Zhaga
612186.00X.Z2	L 700, B 340, H 100	730	12000	84	143	DALI Zhaga
612186.00X.1.Z2	L 700, B 340, H 100	740	12000	84	143	DALI Zhaga
Asymmetrical narrow beam light distribution for area lighting (e.g. parking lots, loading zones)						
612181.00X.Z2	L 700, B 340, H 100	730	8000	51	157	DALI Zhaga
612181.00X.1.Z2	L 700, B 340, H 100	740	8000	51	157	DALI Zhaga
612184.00X.Z2	L 700, B 340, H 100	730	10000	66	152	DALI Zhaga
612184.00X.1.Z2	L 700, B 340, H 100	740	10000	66	152	DALI Zhaga
612187.00X.Z2	L 700, B 340, H 100	730	12000	84	143	DALI Zhaga
612187.00X.1.Z2	L 700, B 340, H 100	740	12000	84	143	DALI Zhaga

Adapter sleeve available for pole top Ø 60 mm







LIGHTSTREAM

Spotlights

ARCHITECTURE

- **Robust:** Seawater resistant coating.
- **Long service life:** Sturdy housing made of corrosion resistant pressure die cast aluminium, powder coated, with stainless steel screws.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

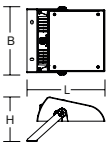
- **Efficient:** Asymmetrical reflector of MIRO-SILVER® with reflex-boosted coating.
- **Variable:** Tilt angle can be adjusted and locked in 6° steps with precise angular scale.
- **Dark Sky:** Protects insects and the environment. Avoiding light pollution.

INSTALLATION

- **Easy installation:** Quick connection possible without opening the housing by screw-less plug connector on bayonet locked slide.
- **Standard:** Gore™ Protective Vents diaphragm valve to avoid condensation.
- **Advantageous:** Extensive installation accessories for any application scenarios.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Spotlights | LIGHTSTREAM mini





Type of protection: **IP 65**
Protection class: I
Impact protection: IK04

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Bracket: aluminium, powder-coated. Tilt angle can be adjusted with angular scale. Toughened glass cover. COB-LED with socket for change on site. Asymmetrical area flood reflector of MIRO-SILVER® with reflex-boosted coating. With membrane valve as a standard to avoid condensed water. Quick connection possible without opening the housing by screw-less plug connector on bayonet locked slide. Piano-key terminal up to 5 x 2,5 mm², max cable Ø 13 mm. Windage area A_w = 0,023 m².

Accessories must be ordered separately.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Area floodlight						**Price Category 12**
Asymmetrical light distribution						
722143.11X	L 315, B 276, H 180	830	1800	14	129	on/off
722143.11X.1	L 315, B 276, H 180	840	1850	14	132	on/off
722144.11X	L 315, B 276, H 180	830	3200	25	128	on/off
722144.11X.1	L 315, B 276, H 180	840	3300	25	132	on/off
721719.1131	L 315, B 276, H 180	830	6050	54	112	on/off
721719.114 .Q	L 315, B 276, H 180	830	6050	54	112	on/off
721719.11X.76	L 315, B 276, H 180	830	6050	54	112	DALI
721719.11X.1	L 315, B 276, H 180	840	6200	54	115	on/off
721719.11X.1.76	L 315, B 276, H 180	840	6200	54	115	DALI

Comparison
LED vs. conventional lamps

LED 14 W ≈
1 x 35 W HIT (43 W Psys)

LED 25 W ≈
1 x 50 W HIT (56 W Psys)

LED 54 W ≈
1 x 70 W HIT-CE (80 W Psys)

Accessories
Wall arm for wall mounting. Made of stainless steel, blasted or powder coated finish. Option of top or lateral mounting at frontal bracket. Hidden cabling inside tubular profile with additional inlet at wall mounting plate.



Wall bracket			**Price Category 12**
982058.000	L 500, B 180, H 180	Overall lenght 500 mm, uncoated	
982058.0031	L 500, B 180, H 180	Overall lenght 500 mm, anthracite	
982086.000	L 1000, B 180, H 180	Overall lenght 1000 mm, uncoated	
982086.0031	L 1000, B 180, H 180	Overall lenght 1000 mm, anthracite	

Accessories
Pole attachment for installation on the pole top. Steel, hot-dip galvanised, unpainted or powder coated. Set of stainless steel fixing screws included. Cable gland into the pole as strain-relief and protection against rainwater.



Pole tops			**Price Category 12**
Pole top fixings, single			
982047.000	L 250, B 95, H 153	for spigot 60 mm, uncoated	
982047.00X	L 250, B 95, H 153	for spigot 60 mm, powder-coated	
982048.000	L 250, B 95, H 153	for spigot 76 mm, uncoated	
982048.00X	L 250, B 95, H 153	for spigot 76 mm, powder-coated	
Pole top fixings opposite mounting			
982049.000	L 250, B 114, H 153	for spigot 60 mm, uncoated	
982049.00X	L 250, B 114, H 153	for spigot 60 mm, powder-coated	
982050.000	L 250, B 114, H 153	for spigot 76 mm, uncoated	
982050.00X	L 250, B 114, H 153	for spigot 76 mm, powder-coated	

Accessories | Pole clip
Mounting bracket for lateral attachment along the pole. Stainless steel bracket with galvanised srews. Smooth span width for different mounting heights. Installation of the luminaire only possible with mounting bracket.



Pole clip			**Price Category 12**
982092.000	L 178, B 174, H 38	for pole diameter 95 - 114 mm, uncoated	
982093.000	L 178, B 194, H 38	for pole diameter 115 - 135 mm, uncoated	

Powder coating on request.

Accessories
Adapter plate set for mounting from several spotlights on a double pole attachment. stainless steel, powder coated. With IP 66 junction box and additional fixing screws. **The double pole attachment for a matching top dimension must be ordered separately.**



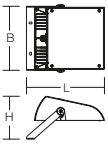
Adapter set for pole attachments			**Price Category 11**
982524.00X	L 395, B 395, H 120	Adapter set for 4-fold configuration (4 x 90°)	

Junction box H with strain relief			**Price Category 11**
982638.003	L 78, B 53, H 28	Max. 4 x 1.5 mm² and cable diameter Ø 0.75 - 12 mm. 1 x In / 3 x Out, including 1 blind plug.	





Spotlights | LIGHTSTREAM midi



Type of protection: **IP 65**
Protection class: I
Impact protection: IK05

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Bracket: aluminium, powder-coated. Tilt angle can be adjusted with angular scale. Toughened glass cover. COB-LED with socket for change on site. Asymmetrical area flood reflector of MIRO-SILVER® with reflex-boosted coating. With membrane valve as a standard to avoid condensed water. Quick connection possible without opening the housing by screw-less plug connector on bayonet locked slide. Piano-key terminal up to 5 x 2,5 mm², max cable Ø 13 mm. Windage area A_w = 0,036 m².

Accessories must be ordered separately.

Available colours (X): 31 = anthracite, 4 = silver

Comparison
LED vs. conventional lamps

LED 114 W ≈
1 x 150 W HIT (160 W Psys)
1 x 750 W QT-DE (750 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Area floodlight						**Price Category 12**
Asymmetrical light distribution						
721720.11X	L 382, B 330, H 215	830	12200	114	107	on/off
721720.11X.76	L 382, B 330, H 215	830	12200	114	107	DALI
721720.11X.1	L 382, B 330, H 215	840	12400	114	109	on/off
721720.11X.1.76	L 382, B 330, H 215	840	12400	114	109	DALI



Accessories
Pole attachment for installation on the pole top. Steel, hot-dip galvanised, unpainted or powder coated. Set of stainless steel fixing screws included. Cable gland into the pole as strain-relief and protection against rainwater.

Pole tops			Price Category 12
Pole top fixings, single			
982047.000	L 250, B 95, H 153	for spigot 60 mm, uncoated	
982047.00X	L 250, B 95, H 153	for spigot 60 mm, powder-coated	
982048.000	L 250, B 95, H 153	for spigot 76 mm, uncoated	
982048.00X	L 250, B 95, H 153	for spigot 76 mm, powder-coated	
Pole top fixings opposite mounting			
982049.000	L 250, B 114, H 153	for spigot 60 mm, uncoated	
982049.00X	L 250, B 114, H 153	for spigot 60 mm, powder-coated	
982050.000	L 250, B 114, H 153	for spigot 76 mm, uncoated	
982050.00X	L 250, B 114, H 153	for spigot 76 mm, powder-coated	



Accessories | Pole clip
Mounting bracket for lateral attachment along the pole. Stainless steel bracket with galvanised srews. Smooth span width for different mounting heights. Installation of the luminaire only possible with mounting bracket.

Pole clip			Price Category 12
982092.000	L 178, B 174, H 38	for pole diameter 95 - 114 mm, uncoated	
982093.000	L 178, B 194, H 38	for pole diameter 115 - 135 mm, uncoated	

Powder coating on request.



Accessories
Adapter plate set for mounting from several spotlights on a double pole attachment. stainless steel, powder coated. With IP 66 junction box and additional fixing screws. **The double pole attachment for a matching top dimension must be ordered separately.**

Adapter set for pole attachments			Price Category 11
982524.00X	L 395, B 395, H 120	Adapter set for 4-fold configuration (4 x 90°)	



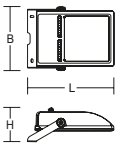
Junction box H with strain relief			Price Category 11
982638.003	L 78, B 53, H 28	Max. 4 x 1.5 mm² and cable diameter Ø 0.75 - 12 mm. 1 x In / 3 x Out, including 1 blind plug.	





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Spotlights | LIGHTSTREAM maxi





Type of protection: **IP 65**
Protection class: I
Impact protection: IK08

Housing made of corrosion-resistant die-cast aluminium for outdoor use, powder-coated. Stainless steel bracket, powder coated, suitable for pole mounting. Tilt angle can be adjusted and locked in 6° steps with precise angular scale. Thermally decoupled driver compartment. Toughened glass cover. COB LED with socket for easy replacement. Asymmetrical area flood reflector of MIRO-SILVER® with reflex-boosted coating. Standard Gore™ Protective Vents diaphragm valve to avoid condensation. Piano-key terminal up to 5 x 2,5 mm², max cable Ø 13 mm. Wind-exposed area A_w = 0.052 m².

Accessories must be ordered separately.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Area floodlight						**Price Category 12**
Asymmetrical light distribution						
721734.11X	L 509, B 374, H 174	830	13400	110	122	on/off
721734.11X.76	L 509, B 374, H 174	830	13400	110	122	DALI
721734.11X.1	L 509, B 374, H 174	840	13900	110	126	on/off
721734.11X.1.76	L 509, B 374, H 174	840	13900	110	126	DALI
721725.11X	L 509, B 374, H 174	830	26600	221	120	on/off
721725.11X.76	L 509, B 374, H 174	830	26600	221	120	DALI
721725.11X.1	L 509, B 374, H 174	840	27900	221	126	on/off
721725.11X.1.76	L 509, B 374, H 174	840	27900	221	126	DALI
722145.11X	L 509, B 374, H 174	830	30600	314	97	on/off
722145.11X.76	L 509, B 374, H 174	830	30600	314	97	DALI
722145.11X.1	L 509, B 374, H 174	840	32100	314	102	on/off
722145.11X.1.76	L 509, B 374, H 174	840	32100	314	102	DALI

Comparison
LED vs. conventional lamps

LED 110 W ≈
1 x 150 W HIT-CE (170 W Psys)
1 x 750 W QT-DE (750 W Psys)

LED 221 W ≈
2 x 150 W HIT-CE (320 W Psys)

LED 314 W ≈
1 x 400 W HIE (440 W Psys)

Accessories
Pole attachment for installation on the pole top. Steel, hot-dip galvanised, unpainted or powder coated. Set of stainless steel fixing screws included. Cable gland into the pole as strain-relief and protection against rainwater.



Pole tops			**Price Category 12**
Pole top fixings, single			
982045.000	L 346, B 97, H 154	for spigot 60 mm, uncoated	
982045.00X	L 346, B 97, H 154	for spigot 60 mm, powder-coated	
982002.000	L 346, B 97, H 154	for spigot 76 mm, uncoated	
982002.00X	L 346, B 97, H 154	for spigot 76 mm, powder-coated	
982046.000	L 346, B 110, H 204	for spigot 89 mm, uncoated	
982046.00X	L 346, B 110, H 204	for spigot 89 mm, powder-coated	
Pole top fixings opposite mounting			
982059.000	L 346, B 112, H 154	for spigot 60 mm, uncoated	
982059.00X	L 346, B 112, H 154	for spigot 60 mm, powder-coated	
982003.000	L 346, B 112, H 154	for spigot 76 mm, uncoated	
982003.00X	L 346, B 112, H 154	for spigot 76 mm, powder-coated	
982004.000	L 346, B 136, H 204	for spigot 89 mm, uncoated	
982004.00X	L 346, B 136, H 204	for spigot 89 mm, powder-coated	
982005.000	L 346, B 136, H 204	for spigot 108 mm, uncoated	
982005.00X	L 346, B 136, H 204	for spigot 108 mm, powder-coated	

Accessories | Pole clip
Mounting bracket for lateral attachment along the pole. Stainless steel bracket with galvanised srews. Smooth span width for different mounting heights. Installation of the luminaire only possible with mounting bracket.



Pole clip			**Price Category 12**
982478.00X	L 346, B 235, H 90	for pole diameter 95 - 140 mm, powder-coated	

Accessories
Adapter plate set for mounting from several spotlights on a double pole attachment. stainless steel, powder coated. With IP 66 junction box and additional fixing screws. **The double pole attachment for a matching top dimension must be ordered separately.**



Adapter set for pole attachments			**Price Category 12**
982525.00X	L 460, B 410, H 55	Adapter set for 4-fold configuration (4 x 90°)	
982401.00X	L 525, B 381, H 87	Adapter set for 3-fold configuration (3 x 120°)	
982475.00X	L 622, B 284, H 55	Adapter set for 2-fold configuration (2 x 90°)	



Exchange Brackets for alternative mounting method.			**Price Category 12**
982053.00X	L 346, B 152, H 210	Bracket for socket and wall mounting	



Junction box H with strain relief			**Price Category 11**
982638.003	L 78, B 53, H 28	Max. 4 x 1.5 mm² and cable diameter Ø 0.75 - 12 mm. 1 x In / 3 x Out, including 1 blind plug.	

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DALI | IP65 | IK07

ANDHO

Outdoor luminaires and pole top luminaires

ARCHITECTURE

- **Design-oriented:** Cylindrical shape with no visible cooling fins.
- **Long service life:** Robust outdoor operation ensured by use of high quality material like powder coated, corrosion-resistant pressure die-cast aluminium, toughened glass and stainless steel.
- **Robust:** Seawater resistant coating.

LIGHTING DESIGN

- **Advantageous:** Reflectors made of reflex boosted MIRO-SILVER® with choice of four beam angles for ultimate flexibility in application.
- **Flexible:** Rotation angle: 360° stepless, tilt angle 90° in increments of 5°, angle scale can be adjusted and locked.

INSTALLATION

- **Easy installation:** Easy installation on the pole with only one hole for cable entry and fastening.
- **Standard:** With membrane valve to avoid condensation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.



Further luminaires of this series, see:

Outdoor lighting | Ceiling and wall luminaires
Outdoor lighting | Projectors and floodlights

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



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The application image shows:
ANDHO

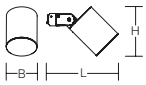


Comparison
LED vs. conventional lamps

LED 23 W ≈
1 x 20 W HIT (23 W Psys)

LED 27 W ≈
1 x 35 W HIT (43 W Psys)

Outdoor luminaires and pole top luminaires | ANDHO mini



Type of protection: **IP 65**
Protection class: II

Housing made of corrosion-resistant die-cast aluminium with extension arm, seawater resistant powder-coated. Stainless steel screws. Spotlight with 8 m connecting cable. Pole mounting by means of 1 drilled hole Ø 24 mm (provided on site). Rotation angle: 360° stepless, tilt angle 90° in increments of 5°, angle scale can be adjusted and locked. Cover clear single-pane toughened glass. With rotationally symmetrical reflector or narrow-beam lens. Reflector made of reflex-boosted MIRO-SILVER®. With membrane valve as a standard to avoid condensed water.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector							**Price Category 12**
Spot lens							
722273.00X.2.76	D 114, H 182, AL 258	827	1700	23	74	10	DALI
722273.00X.76	D 114, H 182, AL 258	830	1800	23	78	10	DALI
722273.00X.1.76	D 114, H 182, AL 258	840	1900	23	83	10	DALI
Medium							
722274.00X.2.76	D 114, H 182, AL 258	827	3000	27	111	26	DALI
722274.00X.76	D 114, H 182, AL 258	830	3300	27	122	26	DALI
722274.00X.1.76	D 114, H 182, AL 258	840	3550	27	131	26	DALI
Flood							
722275.00X.2.76	D 114, H 182, AL 258	827	2800	27	104	40	DALI
722275.00X.76	D 114, H 182, AL 258	830	3100	27	115	40	DALI
722275.00X.1.76	D 114, H 182, AL 258	840	3350	27	124	40	DALI



Snap-on hood			**Price Category 12**
982165.003	L 140, B 120, H 130	Can be rotated 360 degrees stainless steel, powder coated, black	



Clear reeded glass with mounting attachment			**Price Category 12**
982159.000	D 117, H 58	Elliptical beam angle.	



Louvre as push-on attachment			**Price Category 12**
982162.003	D 120, H 85	Can be rotated 360 degrees stainless steel, powder coated, black	



Barn door shutter with mounting attachment			**Price Category 12**
982168.003	L 266, B 266, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	



Accessories | Fuse box
Housing: plastic. Contact protection in accordance with VBG 4. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 outgoing lines.

Fuse box			**Price Category 12**
61199.009	L 265, B 72, H 75	Fuse box.	

Round clip with strain relief			**Price Category 12**
982974.003	D 23, L 89	Max. 5 x 1.5 mm² and cable diameter Ø 5 - 12 mm.	

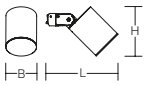






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Outdoor luminaires and pole top luminaires | ANDHO midi





Type of protection: **IP 65**
Protection class: II

Housing made of corrosion-resistant die-cast aluminium with extension arm, seawater resistant powder-coated. Stainless steel screws. Spotlight with 8 m connecting cable. Pole mounting by means of 1 drilled hole Ø 24 mm (provided on site). Rotation angle: 360° stepless, tilt angle 90° in increments of 5°, angle scale can be adjusted and locked. Cover clear single-pane toughened glass. Rotation-symmetric reflector made of reflex-boosted MIRO-SILVER®. With membrane valve as a standard to avoid condensed water.

Available colours (X): 2 = white, 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Surface mounted projector							**Price Category 12**
Reflector spot							
722279.00X.2.76	D 154, H 216, AL 292	827	3450	41	84	9	DALI
722279.00X.76	D 154, H 216, AL 292	830	3750	41	91	9	DALI
722279.00X.1.76	D 154, H 216, AL 292	840	3950	41	96	9	DALI
Reflector medium							
722280.00X.2.76	D 154, H 216, AL 292	827	4700	39	121	17	DALI
722280.00X.76	D 154, H 216, AL 292	830	4850	39	124	17	DALI
722280.00X.1.76	D 154, H 216, AL 292	840	5350	39	137	17	DALI
Reflector flood							
722281.00X.2.76	D 154, H 216, AL 292	827	4700	39	121	34	DALI
722281.00X.76	D 154, H 216, AL 292	830	4850	39	124	34	DALI
722281.00X.1.76	D 154, H 216, AL 292	840	5150	39	132	34	DALI
Reflector wide flood							
722282.00X.2.76	D 154, H 216, AL 292	827	4700	39	121	59	DALI
722282.00X.76	D 154, H 216, AL 292	830	4800	39	123	59	DALI
722282.00X.1.76	D 154, H 216, AL 292	840	5100	39	131	59	DALI

Comparison
LED vs. conventional lamps

LED 39 W ≈
1 x 50 W HIT (56 W Psys)

LED 41 W ≈
1 x 35 W HIT (43 W Psys)

Snap-on hood			Price Category 12
982166.003	D 160, H 170	Can be rotated 360 degrees stainless steel, powder coated, black	



Clear reeded glass with mounting attachment			Price Category 12
982160.000	D 159, H 58	Elliptical beam angle.	



Louvre as push-on attachment			Price Category 12
982163.003	D 160, H 97	Can be rotated 360 degrees stainless steel, powder coated, black	



Barn door shutter with mounting attachment			Price Category 12
982169.003	L 340, B 340, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	



Accessories | Fuse box
Housing: plastic. Contact protection in accordance with VBG 4. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 outgoing lines.

Fuse box			Price Category 12
61199.009	L 265, B 72, H 75	Fuse box.	



Round clip with strain relief			Price Category 12
982974.003	D 23, L 89	Max. 5 x 1.5 mm² and cable diameter Ø 5 - 12 mm.	









ULR = 0% | DALI | CLO Constant Light Output | Step DIM | Astro DIM | Zhaga | IP65 | IK07

reddot award 2016 winner

GONIA®

Pole top luminaires

ARCHITECTURE

- **Classical:** The classically linear design supports applications in small scale surroundings.
- **Long service life:** Use of high quality material like powder coated, corrosion-resistant aluminium, toughened glass and stainless steel.
- **Protected:** Seawater resistant coating.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

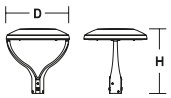
- **Versatile:** Comprehensive selection of light distributions and luminous flux enables universal application range starting with private pathways to main roads with public lighting.
- **Dark Sky:** Protects insects and the environment. Avoiding light pollution.
- **Standard:** Control gear with integrated surge protection up to 10 kV.

INSTALLATION

- **Easy installation:** Plug & play design with pre-assembled connecting cable for easy installation and small transport volume.
- **Easy to maintain:** Quick maintenance due to plug & play standard lighting inserts.
- **Smart Lighting:** Versions with Zhaga Book 18 sockets available for the integration of components for light management systems or sensors.
- **Configurable:** Different dim options are possible on request.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pole top luminaires | GONIA





Type of protection: **IP 65**
Protection class: II
Impact protection: IK07

Luminaire body aluminium, arm cast aluminium with integrated wiring and stainless steel threaded inserts (seawater resistant powder-coated). Pole attachment for 76 mm spigot. With stainless steel screws. Aluminium light insert with toughened glazing, powder coated. Twist-lock and plug connector for quick replacement. With membrane valve as a standard to avoid condensed water. Refractor optics with multichip LED. Light distribution optimised for road or area lighting. Control gear with integrated surge protection up to 10 kV. Constant light output (CLO). Converter compatible with DC. With NFC programming interface. 4 x 1.0 mm² connecting cable included, length 5.5 m.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Luminaires for spigot Ø 76 mm						**Price Category 12**
Asymmetrical linear light distribution for wide streets and paths according to DIN EN 13201						
611940.00X	D 500, H 525	730	1800	24	75	DALI
611940.00X.1	D 500, H 525	740	2100	24	88	DALI
611943.00X	D 500, H 525	730	3450	45	77	DALI
611943.00X.1	D 500, H 525	740	4050	45	90	DALI
611946.00X	D 500, H 525	730	5350	65	82	DALI
611946.00X.1	D 500, H 525	740	6200	65	95	DALI
611949.00X	D 500, H 525	730	7050	86	82	DALI
611949.00X.1	D 500, H 525	740	8200	86	95	DALI
Asymmetrical linear light distribution for narrow streets and paths according to DIN EN 13201						
611941.00X	D 500, H 525	730	1800	24	75	DALI
611941.00X.1	D 500, H 525	740	2100	24	88	DALI
611944.00X	D 500, H 525	730	3450	45	77	DALI
611944.00X.1	D 500, H 525	740	4050	45	90	DALI
611947.00X	D 500, H 525	730	5300	65	82	DALI
611947.00X.1	D 500, H 525	740	6200	65	95	DALI
611950.00X	D 500, H 525	730	7050	86	82	DALI
611950.00X.1	D 500, H 525	740	8250	86	96	DALI
Asymmetrical narrow beam light distribution on both sides for area lighting (e.g. squares, parking lots)						
612207.00X	D 500, H 525	730	3600	45	80	DALI
612207.00X.1	D 500, H 525	740	4200	45	93	DALI
612208.00X	D 500, H 525	730	7300	86	85	DALI
612208.00X.1	D 500, H 525	740	8500	86	99	DALI
Asymmetrical single-sided narrow light distribution for area lighting (e.g. squares, parking lots)						
611942.00X	D 500, H 525	730	1850	24	77	DALI
611942.00X.1	D 500, H 525	740	2150	24	90	DALI
611945.00X	D 500, H 525	730	3600	45	80	DALI
611945.00X.1	D 500, H 525	740	4200	45	93	DALI
611948.00X	D 500, H 525	730	5550	65	85	DALI
611948.00X.1	D 500, H 525	740	6450	65	99	DALI
611951.00X	D 500, H 525	730	7300	86	85	DALI
611951.00X.1	D 500, H 525	740	8500	86	99	DALI

Comparison
LED vs. conventional lamps

LED 24 W ≈
1 x 35 W HIT (43 W Psys)

LED 45 W ≈
1 x 50 W HIT (56 W Psys)

LED 65 W ≈
1 x 70 W HIT (80 W Psys)

LED 86 W ≈
1 x 100 W HIT (106 W Psys)

Accessories | Fuse box
Housing: plastic. Contact protection in accordance with VBG 4. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 outgoing lines.



Fuse box			Price Category 12
61199.009	L 265, B 72, H 75	Fuse box.	



Reducing adapters			Price Category 12
982436.000	D 77, H 90	For reducing Ø 76 mm spigot size to Ø 60 mm	







LARUTA®

Pole top luminaires

ARCHITECTURE

- **Design-oriented:** The elegant linear shape excellently suits modern architecture.
- **Long service life:** Use of high quality material like powder coated, corrosion-resistant aluminium, toughened glass and stainless steel.
- **Protected:** Seawater resistant coating.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

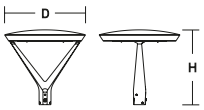
- **Versatile:** Comprehensive selection of light distributions and luminous flux enables universal application range starting with private pathways to main roads with public lighting.
- **Dark Sky:** Protects insects and the environment. Avoiding light pollution.
- **Standard:** Control gear with integrated surge protection up to 10 kV.

INSTALLATION

- **Easy installation:** Plug & play design with pre-assembled connecting cable for easy installation and small transport volume.
- **Easy to maintain:** Quick maintenance due to plug & play standard lighting inserts.
- **Smart Lighting:** Versions with Zhaga Book 18 sockets available for the integration of components for light management systems or sensors.
- **Configurable:** Different dim options are possible on request.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pole top luminaires | LARUTA





Type of protection: **IP 65**
Protection class: II
Impact protection: IK07

Luminaire body aluminium, arm cast aluminium with integrated wiring and stainless steel threaded inserts (seawater resistant powder-coated). Pole attachment for 76 mm spigot. With stainless steel screws. Aluminium light insert with toughened glazing, powder coated. Twist-lock and plug connector for quick replacement. With membrane valve as a standard to avoid condensed water. Refractor optics with multichip LED. Light distribution optimised for road or area lighting. Control gear with integrated surge protection up to 10 kV. Constant light output (CLO). Converter compatible with DC. With NFC programming interface. 4 x 1.0 mm² connecting cable included, length 5.5 m.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Luminaires for spigot Ø 76 mm						**Price Category 12**
Asymmetrical linear light distribution for wide streets and paths according to DIN EN 13201						
611952.00X	D 650, H 610	730	1750	24	73	DALI
611952.00X.1	D 650, H 610	740	2050	24	85	DALI
611955.00X	D 650, H 610	730	3400	45	76	DALI
611955.00X.1	D 650, H 610	740	3950	45	88	DALI
611958.00X	D 650, H 610	730	5200	65	80	DALI
611958.00X.1	D 650, H 610	740	6050	65	93	DALI
611961.00X	D 650, H 610	730	6900	86	80	DALI
611961.00X.1	D 650, H 610	740	8000	86	93	DALI
Asymmetrical linear light distribution for narrow streets and paths according to DIN EN 13201						
611953.00X	D 650, H 610	730	1750	24	73	DALI
611953.00X.1	D 650, H 610	740	2050	24	85	DALI
611956.00X	D 650, H 610	730	3400	45	76	DALI
611956.00X.1	D 650, H 610	740	3950	45	88	DALI
611959.00X	D 650, H 610	730	5250	65	81	DALI
611959.00X.1	D 650, H 610	740	6100	65	94	DALI
611962.00X	D 650, H 610	730	6950	86	81	DALI
611962.00X.1	D 650, H 610	740	8050	86	94	DALI
Asymmetrical narrow beam light distribution on both sides for area lighting (e.g. squares, parking lots)						
612209.00X	D 650, H 610	730	3600	45	80	DALI
612209.00X.1	D 650, H 610	740	4200	45	93	DALI
612210.00X	D 650, H 610	730	7200	86	84	DALI
612210.00X.1	D 650, H 610	740	8400	86	98	DALI
Asymmetrical single-sided narrow light distribution for area lighting (e.g. squares, parking lots)						
611954.00X	D 650, H 610	730	1850	24	77	DALI
611954.00X.1	D 650, H 610	740	2150	24	90	DALI
611957.00X	D 650, H 610	730	3600	45	80	DALI
611957.00X.1	D 650, H 610	740	4200	45	93	DALI
611960.00X	D 650, H 610	730	5500	65	85	DALI
611960.00X.1	D 650, H 610	740	6400	65	98	DALI
611963.00X	D 650, H 610	730	7200	86	84	DALI
611963.00X.1	D 650, H 610	740	8400	86	98	DALI

Comparison
LED vs. conventional lamps

LED 24 W ≈
1 x 35 W HIT (43 W Psys)

LED 45 W ≈
1 x 50 W HIT (56 W Psys)

LED 65 W ≈
1 x 70 W HIT (80 W Psys)

LED 86 W ≈
1 x 100 W HIT (106 W Psys)

Accessories | Fuse box
Housing: plastic. Contact protection in accordance with VBG 4. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 outgoing lines.



Fuse box			Price Category 12
61199.009	L 265, B 72, H 75	Fuse box.	



Reducing adapters			Price Category 12
982436.000	D 77, H 90	For reducing Ø 76 mm spigot size to Ø 60 mm	







BOCARO®

Light stack

ARCHITECTURE

- **Versatile:** Light column for public places such as pedestrian areas, squares, bridges, parks and car parks.
- **Robust:** Seawater resistant coating.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Advantageous:** Multichip-LED with high performance refractor optics, selection of light distribution optimised for road or area lighting.
- **Clever:** E-Charging-Module

INSTALLATION

- **Flexible:** Modular design for combining different luminaire head and pole variants as required.
- **Straightforward:** Luminaire head fastens to luminaire tube via a screw connection.



Further luminaires of this series, see:
Outdoor lighting | Bollards

Light + Charge

The hybrid solution for light and charging station

RZB is actively shaping the change in mobility: Light for charging, charging in light. Robust products that have withstood wind and weather for decades as pure outdoor luminaires have been supplemented with the latest in charging technology.

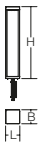
Find out more at www.rzb-energy.com

reddot winner 2023
urban design



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Light stack | BOCARO - Luminaire head





Type of protection: **IP 65**
Protection class: II
Impact protection: IK08

Modular light stack consisting of luminaire head and tube. Luminaire head in square aluminium profile, with cover in non-corrosive die-cast aluminium, seawater resistant powder-coated. Multi-chip LED with high-performance refractor optics. Light distribution optimised for road or area lighting. Luminaire head fastens to luminaire tube via a screw connection. Converter compatible with DC.

Please order fuse box separately.

Modular design: please remember to order the luminaire tube separately for each luminaire head.

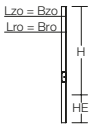
Available colours (X): 31 = anthracite, 4 = silver

Comparison
LED vs. conventional lamps

LED 35 / 37 W ≈
1 x 50 W HIT (56 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Light columns - Luminaire head						**Price Category 12**
Asymmetrical linear light distribution for wide streets and paths according to DIN EN 13201						
612350.00X	L 156, B 156, H 800	730	3700	35	106	on/off
612350.00X.76	L 156, B 156, H 800	730	3750	37	101	DALI
612350.00X.1	L 156, B 156, H 800	740	3950	35	113	on/off
612350.00X.1.76	L 156, B 156, H 800	740	4000	37	108	DALI
Asymmetrical linear light distribution for narrow streets and paths according to DIN EN 13201						
612349.00X	L 156, B 156, H 800	730	3650	35	104	on/off
612349.00X.76	L 156, B 156, H 800	730	3750	37	101	DALI
612349.00X.1	L 156, B 156, H 800	740	3850	35	110	on/off
612349.00X.1.76	L 156, B 156, H 800	740	3900	37	105	DALI
Symmetrical light distribution for area lighting (e.g. squares, pedestrian zones)						
612351.00X	L 156, B 156, H 800	730	3300	35	94	on/off
612351.00X.76	L 156, B 156, H 800	730	3350	37	91	DALI
612351.00X.1	L 156, B 156, H 800	740	3550	35	101	on/off
612351.00X.1.76	L 156, B 156, H 800	740	3600	37	97	DALI

Modules | BOCARO - Luminaire tube



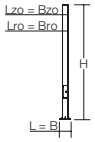


Luminaire tube made of aluminum square profile, seawater resistant powder-coated. Mounting plate with four screw holes, seawater resistant powder coated. Including fastening screws for cable fuse box. Pole door with triangle lock.

Available colours (X): 31 = anthracite, 4 = silver

Luminaire tube with ground-plate			**Price Category 12**
612355.00X	L 300, B 300, H 3200	Tube (Lro x Bro) 156x156 mm, Spigot size (Lzo x Bzo) 156x156 mm	
612356.00X	L 300, B 300, H 3700	Tube (Lro x Bro) 156x156 mm, Spigot size (Lzo x Bzo) 156x156 mm	
612357.00X	L 300, B 300, H 4200	Tube (Lro x Bro) 156x156 mm, Spigot size (Lzo x Bzo) 156x156 mm	

Modules | BOCARO - Luminaire tube





Luminaire tube made of aluminum square profile, seawater resistant powder-coated. Continuous buried base with two side cable holes. Including fastening screws for cable fuse box. Pole door with triangle lock.

Available colours (X): 31 = anthracite, 4 = silver

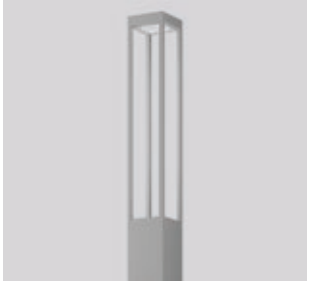
Luminaire tube with anchoring tube			**Price Category 12**
612352.00X	L 156, B 156, H 3200, HE 800	Tube (Lro x Bro) 156x156 mm, Spigot size (Lzo x Bzo) 156x156 mm	
612353.00X	L 156, B 156, H 3700, HE 800	Tube (Lro x Bro) 156x156 mm, Spigot size (Lzo x Bzo) 156x156 mm	
612354.00X	L 156, B 156, H 4200, HE 800	Tube (Lro x Bro) 156x156 mm, Spigot size (Lzo x Bzo) 156x156 mm	

Accessories | Fuse box
Housing: plastic. Contact protection in accordance with VBG 4. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 outgoing lines.

Fuse box			**Price Category 12**
61199.009	L 265, B 72, H 75	Fuse box.	



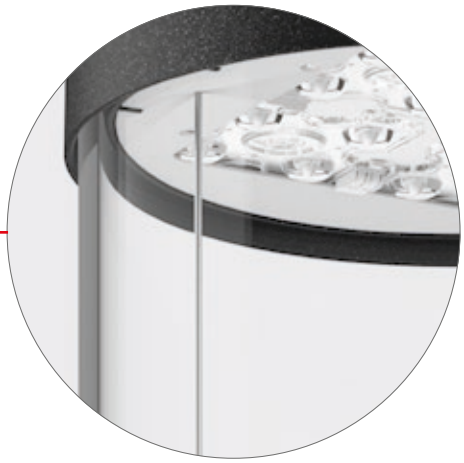




LUPALO® | LUPALO® SCANDIA

Everything at a glance

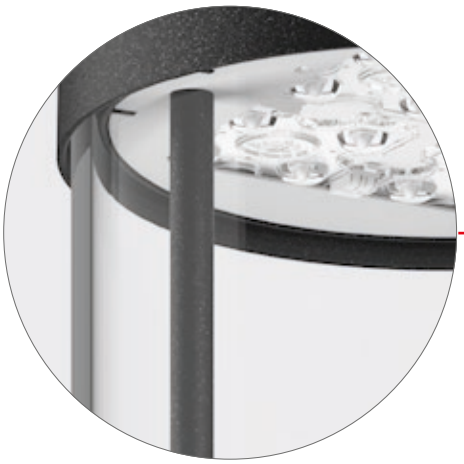
Depending on personal taste and the area of installation, LUPALO can be used as a bollard, stack or pole-top luminaire. When the optional top roof is added to the latter, it produces a symbolic, almost archetypal effect ... without losing its characteristically modern simplicity.



LUPALO

Non-yellowing glass cylinder for consistently high light transmission.

Optically elegant power supply via delicate steel cable between control gear and LED, thus reducing shadows.



LUPALO

Alternatively clear **impact resistant PMMA cylinder**.



LUPALO SCANDIA

Top roof made of aluminum, seawater-resistant powder-coated with 3 keyholes.

Flexible design: Optionally as standard version in a simple cylinder shape or in a classic lantern design with an top roof which is available as accessory.

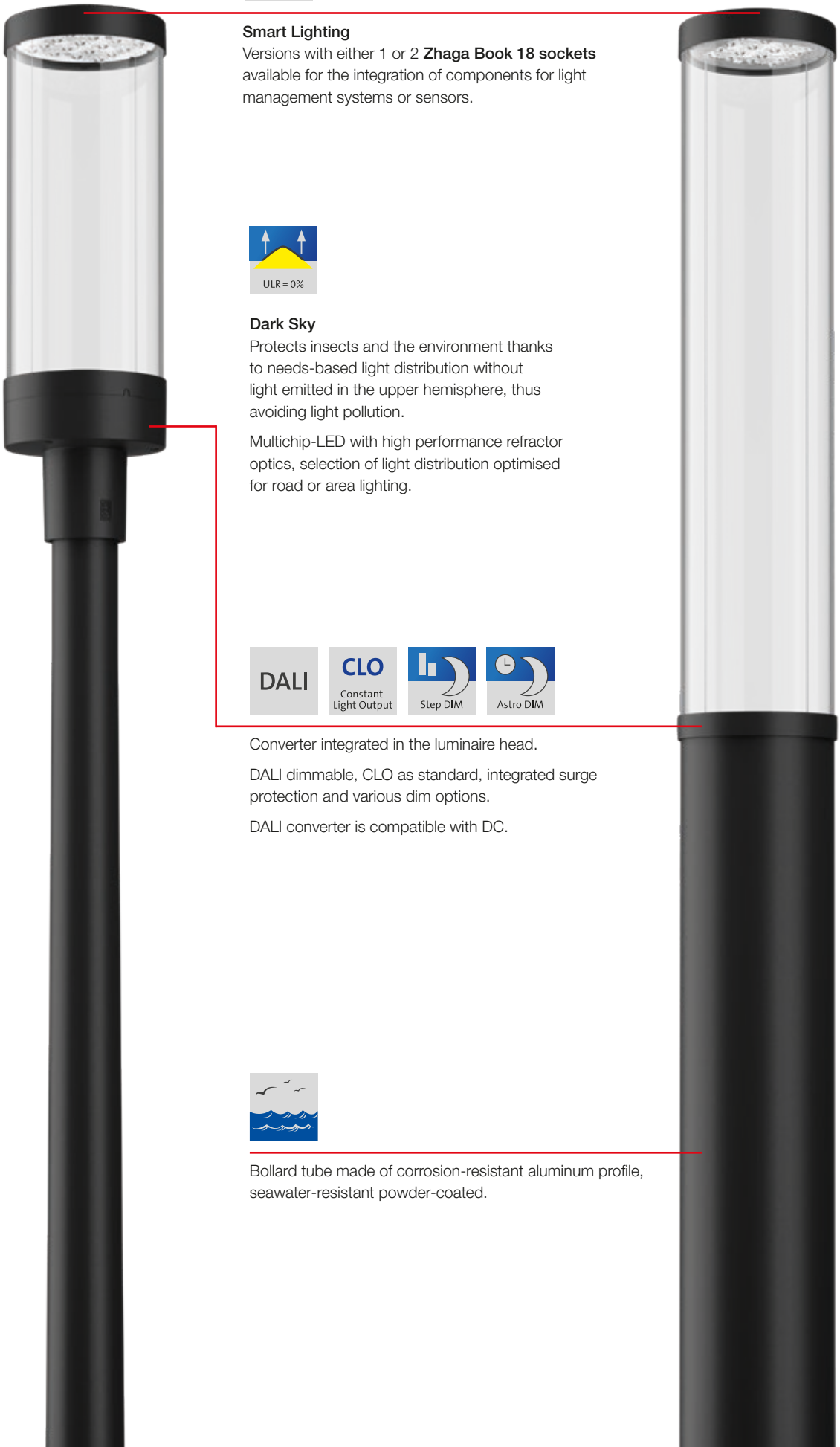


E-Charging

From light to charging:

LUPALO is also available with an integrated charging module for electric cars.

www.rzb-energy.com



Zhaga

Smart Lighting
Versions with either 1 or 2 **Zhaga Book 18 sockets** available for the integration of components for light management systems or sensors.

ULR = 0%

Dark Sky
Protects insects and the environment thanks to needs-based light distribution without light emitted in the upper hemisphere, thus avoiding light pollution.

Multichip-LED with high performance refractor optics, selection of light distribution optimised for road or area lighting.

DALI CLO Constant Light Output Step DIM Astro DIM

Converter integrated in the luminaire head.

DALI dimmable, CLO as standard, integrated surge protection and various dim options.

DALI converter is compatible with DC.

Bollard tube made of corrosion-resistant aluminum profile, seawater-resistant powder-coated.



ULR = 0% | DALI | CLO Constant Light Output | Step DIM | Astro DIM | Zhaga | E-Charging | IP65 | IK08

reddot winner 2021

LUPALO®

Light stack

ARCHITECTURE

- **Applicable:** Light column for public places such as pedestrian areas, squares, bridges, parks and car parks.
- **Dark Sky:** Protects insects and the environment. Avoiding light pollution.
- **Versatile:** Non-yellowing glass cylinder or clear impact resistant PMMA cylinder.
- **Robust:** The use of low-corrosion aluminium alloys in combination with a two-layer, seawater-resistant coating and stainless steel fastening and connecting elements ensures durability.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.



Further luminaires of this series, see:
Outdoor lighting | Bollards

LIGHTING DESIGN

- **Flexible:** Multichip-LED with high performance refractor optics, selection of light distribution optimised for road or area lighting.
- **Long service life:** LED rated life 100000 h (L_{CLO}) at 25°C ambient temperature.
- **Standard:** Control gear with integrated surge protection up to 10 kV.
- **Configurable:** Different dim options are possible on request.
- **Clever:** E-Charging-Module

INSTALLATION

- **Flexible:** Modular design for combining different luminaire head and pole variants as required.
- **Easy installation:** Delivered with pre-installed connecting cable.
- **Safe:** Membrane valve to prevent condensation.
- **Smart Lighting:** Versions with Zhaga Book 18 sockets available for the integration of components for light management systems or sensors.

Light + Charge

The hybrid solution for light and charging station

RZB is actively shaping the change in mobility: Light for charging, charging in light. Robust products that have withstood wind and weather for decades as pure outdoor luminaires have been supplemented with the latest in charging technology.

Find out more at www.rzb-energy.com



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



© Linus Lintner

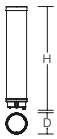
The application image shows:
LUPALO



Comparison
LED vs. conventional lamps

LED 55 W ≈
1 x 70 W HIT (84 W Psys)

Light stack | LUPALO - Luminaire head | Glass



Type of protection: **IP 65**
Protection class: II
Impact protection: IK06

Modular light stack consisting of luminaire head and pole. Luminaire head made of corrosion resistant die-cast aluminium, seawater resistant powder-coated, stainless steel screws. Diffuser: glass, transparent. With membrane valve as a standard to avoid condensed water. Multi-chip LED with high-performance refractor optics. Light distribution optimised for road or area lighting. Elegant-looking power supply via delicate steel cables between converter and LED. Control gear with integrated surge protection up to 10 kV. Converter compatible with DC. With NFC programming interface. Converter integrated in the luminaire head.

Please order fuse box separately.

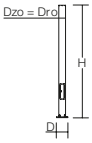
Modular design: please remember to order the luminaire tube separately for each luminaire head.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Light columns - Luminaire head						**Price Category 12**
Asymmetrical linear light distribution for wide streets and paths according to DIN EN 13201						
612329.00X.76	D 187, H 905	730	5250	55	95	DALI
612329.00X.1.76	D 187, H 905	740	5550	55	101	DALI
Asymmetrical linear light distribution for narrow streets and paths according to DIN EN 13201						
612328.00X.76	D 187, H 905	730	5150	55	94	DALI
612328.00X.1.76	D 187, H 905	740	5450	55	99	DALI
Symmetrical light distribution for area lighting (e.g. squares, pedestrian zones)						
612327.00X.76	D 187, H 905	730	5550	55	101	DALI
612327.00X.1.76	D 187, H 905	740	5800	55	105	DALI



Modules | LUPALO - Luminaire tube



Protection class: I

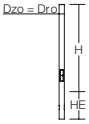
Luminaire tube made of aluminum profile, seawater resistant powder-coated. Mounting plate with four screw holes, seawater resistant powder coated. With C-track for cable fuse box. Pole door with triangle lock.

Available colours (X): 31 = anthracite, 4 = silver

Luminaire tube with ground-plate			Price Category 12
612333.00X	D 300, H 3000	Tube (Dro) Ø 180 mm, Spigot size (Dzo) Ø 180 mm	
612334.00X	D 300, H 3700	Tube (Dro) Ø 180 mm, Spigot size (Dzo) Ø 180 mm	
612335.00X	D 300, H 4150	Tube (Dro) Ø 180 mm, Spigot size (Dzo) Ø 180 mm	
612336.00X	D 300, H 5000	Tube (Dro) Ø 180 mm, Spigot size (Dzo) Ø 180 mm	



Modules | LUPALO - Luminaire tube



Luminaire tube made of aluminum profile, seawater resistant powder-coated. Continuous buried base with two side cable holes. With C-track for cable fuse box. Pole door with triangle lock.

Available colours (X): 31 = anthracite, 4 = silver

Luminaire tube with anchoring tube			Price Category 12
612233.01X	D 180, H 3150, HE 800	Tube (Dro) Ø 180 mm, Spigot size (Dzo) Ø 180 mm	
612234.01X	D 180, H 3700, HE 800	Tube (Dro) Ø 180 mm, Spigot size (Dzo) Ø 180 mm	
612235.01X	D 180, H 4150, HE 1000	Tube (Dro) Ø 180 mm, Spigot size (Dzo) Ø 180 mm	



Accessories | Fuse box
Housing: plastic. Contact protection in accordance with VBG 4. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 outgoing lines.

Fuse box			Price Category 12
61199.009	L 265, B 72, H 75	Fuse box.	

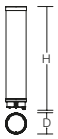






Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Light stack | LUPALO - Luminaire head | Plastic





Type of protection: **IP 65**
Protection class: II
Impact protection: IK08

Modular light stack consisting of luminaire head and pole. Luminaire head made of corrosion resistant die-cast aluminium, seawater resistant powder-coated, stainless steel screws. Diffuser made of shock-proof clear plastic (PMMA). With membrane valve as a standard to avoid condensed water. Multi-chip LED with high-performance refractor optics. Light distribution optimised for road or area lighting. DALI control gear with integrated surge protection up to 10 kV. Converter compatible with DC. With NFC programming interface. Converter integrated in the luminaire head.

Please order fuse box separately.

Modular design: please remember to order the luminaire tube separately for each luminaire head.

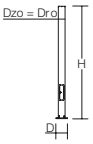
Available colours (X): 31 = anthracite, 4 = silver

Comparison
LED vs. conventional lamps

LED 55 W ≈
1 x 70 W HIT (84 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Light columns - Luminaire head						**Price Category 12**
Asymmetrical linear light distribution for wide streets and paths according to DIN EN 13201						
612326.00X.76	D 187, H 905	730	5050	55	92	DALI
612326.00X.1.76	D 187, H 905	740	5350	55	97	DALI
Asymmetrical linear light distribution for narrow streets and paths according to DIN EN 13201						
612325.00X.76	D 187, H 905	730	4900	55	89	DALI
612325.00X.1.76	D 187, H 905	740	5150	55	94	DALI
Symmetrical light distribution for area lighting (e.g. squares, pedestrian zones)						
612324.00X.76	D 187, H 905	730	5550	55	101	DALI
612324.00X.1.76	D 187, H 905	740	5850	55	106	DALI

Modules | LUPALO - Luminaire tube





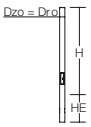
Protection class: I

Luminaire tube made of aluminum profile, seawater resistant powder-coated. Mounting plate with four screw holes, seawater resistant powder coated. With C-track for cable fuse box. Pole door with triangle lock.

Available colours (X): 31 = anthracite, 4 = silver

Luminaire tube with ground-plate			**Price Category 12**
612333.00X	D 300, H 3000	Tube (Dro) Ø 180 mm, Spigot size (Dzo) Ø 180 mm	
612334.00X	D 300, H 3700	Tube (Dro) Ø 180 mm, Spigot size (Dzo) Ø 180 mm	
612335.00X	D 300, H 4150	Tube (Dro) Ø 180 mm, Spigot size (Dzo) Ø 180 mm	
612336.00X	D 300, H 5000	Tube (Dro) Ø 180 mm, Spigot size (Dzo) Ø 180 mm	

Modules | LUPALO - Luminaire tube





Luminaire tube made of aluminum profile, seawater resistant powder-coated. Continuous buried base with two side cable holes. With C-track for cable fuse box. Pole door with triangle lock.

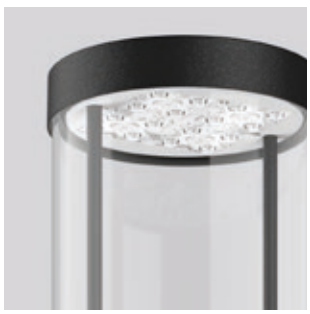
Available colours (X): 31 = anthracite, 4 = silver

Luminaire tube with anchoring tube			**Price Category 12**
612233.01X	D 180, H 3150, HE 800	Tube (Dro) Ø 180 mm, Spigot size (Dzo) Ø 180 mm	
612234.01X	D 180, H 3700, HE 800	Tube (Dro) Ø 180 mm, Spigot size (Dzo) Ø 180 mm	
612235.01X	D 180, H 4150, HE 1000	Tube (Dro) Ø 180 mm, Spigot size (Dzo) Ø 180 mm	

Accessories | Fuse box
Housing: plastic. Contact protection in accordance with VBG 4. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 outgoing lines.



Fuse box			**Price Category 12**
61199.009	L 265, B 72, H 75	Fuse box.	









ULR = 0% | DALI | CLO Constant Light Output | Step DIM | Astro DIM | Zhaga | IP66

reddot winner 2021

LUPALO® SCANDIA

Pole top luminaires

ARCHITECTURE

- **Classical:** Pole-top luminaire with classic design and modern LED technology.
- **Dark Sky:** Protects insects and the environment. Avoiding light pollution.
- **Long service life:** The use of low-corrosion aluminium alloys in combination with a two-layer, seawater-resistant coating and stainless steel fastening and connecting elements ensures durability.
- **Robust:** Seawater resistant coating.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Versatile:** The comprehensive selection of light distributions and light outputs allows for an universal application regarding illumination of private paths, public roads up to area lighting (parking lots) according to EN 13201.
- **Clever:** Versions with movement sensor.
- **Standard:** Control gear with integrated surge protection up to 10 kV.
- **Configurable:** Different dim options are possible on request.

INSTALLATION

- **Easy installation:** Delivered with pre-installed connecting cable.
- **Safe:** Membrane valve to prevent condensation.
- **Smart Lighting:** Versions with Zhaga Book 18 sockets available for the integration of components for light management systems or sensors.
- **Advantageous:** Adaptable design - optionally as standard variant in a simple cylinder shape or through the available accessories in classic lantern shape with attachment roof.



Further luminaires of this series, see:
Outdoor lighting | Bollards

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



© Linus Lintner

The application image shows:
LUPALO SCANDIA



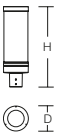
Comparison
LED vs. conventional lamps

LED 14 W ≈
1 x 35 W HIT (43 W Psys)

LED 20 W ≈
1 x 50 W HIT (56 W Psys)

LED 35 W ≈
1 x 70 W HIT (84 W Psys)

Pole top luminaires | LUPALO SCANDIA



Type of protection: **IP 66**
Protection class: II
Impact protection: IK06

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Pole attachment for 76 mm spigot. With stainless steel screws. Diffuser: glass, transparent. With membrane valve as a standard to avoid condensed water. Refractor optics with multichip LED. Light distribution optimised for road or area lighting. Elegant-looking power supply via delicate steel cables between converter and LED. DALI control gear with integrated surge protection up to 10 kV. Constant light output (CLO). Converter compatible with DC. With NFC programming interface. Converter integrated in the luminaire head. Pre-assembled connection cable, length 6 m.

Available colours (X): 31 = anthracite, 4 = silver

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Luminaires for spigot Ø 76 mm						**Price Category 12**
Asymmetrical linear light distribution for wide streets and paths according to DIN EN 13201						
612262.00X	D 187, H 572	730	1550	14	111	on/off
612262.00X.76	D 187, H 572	730	1550	14	111	DALI
612262.00X.1	D 187, H 572	740	1650	14	118	on/off
612262.00X.1.76	D 187, H 572	740	1650	14	118	DALI
612263.00X	D 187, H 572	730	2250	20	113	on/off
612263.00X.76	D 187, H 572	730	2250	20	113	DALI
612263.00X.1	D 187, H 572	740	2350	20	118	on/off
612263.00X.1.76	D 187, H 572	740	2350	20	118	DALI
612264.00X	D 187, H 572	730	3650	35	104	on/off
612264.00X.76	D 187, H 572	730	3650	35	104	DALI
612264.00X.1	D 187, H 572	740	3850	35	110	on/off
612264.00X.1.76	D 187, H 572	740	3850	35	110	DALI
Asymmetrical linear light distribution for narrow streets and paths according to DIN EN 13201						
612265.00X	D 187, H 572	730	1600	14	114	on/off
612265.00X.76	D 187, H 572	730	1600	14	114	DALI
612265.00X.1	D 187, H 572	740	1650	14	118	on/off
612265.00X.1.76	D 187, H 572	740	1650	14	118	DALI
612266.00X	D 187, H 572	730	2250	20	113	on/off
612266.00X.76	D 187, H 572	730	2250	20	113	DALI
612266.00X.1	D 187, H 572	740	2400	20	120	on/off
612266.00X.1.76	D 187, H 572	740	2400	20	120	DALI
612267.00X	D 187, H 572	730	3700	35	106	on/off
612267.00X.76	D 187, H 572	730	3700	35	106	DALI
612267.00X.1	D 187, H 572	740	3900	35	111	on/off
612267.00X.1.76	D 187, H 572	740	3900	35	111	DALI
Symmetrical light distribution for area lighting (e.g. squares, pedestrian zones)						
612259.00X	D 187, H 572	730	1750	14	125	on/off
612259.00X.76	D 187, H 572	730	1750	14	125	DALI
612259.00X.1	D 187, H 572	740	1800	14	129	on/off
612259.00X.1.76	D 187, H 572	740	1800	14	129	DALI
612260.00X	D 187, H 572	730	2450	20	123	on/off
612260.00X.76	D 187, H 572	730	2450	20	123	DALI
612260.00X.1	D 187, H 572	740	2600	20	130	on/off
612260.00X.1.76	D 187, H 572	740	2600	20	130	DALI
612261.00X	D 187, H 572	730	4100	35	117	on/off
612261.00X.76	D 187, H 572	730	4100	35	117	DALI
612261.00X.1	D 187, H 572	740	4300	35	123	on/off
612261.00X.1.76	D 187, H 572	740	4300	35	123	DALI



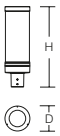
Top roof			Price Category 12
982752.00X	D 601, H 66	Aluminum, seawater-resistant powder-coated with 3 keyholes.	



Reducing adapters			Price Category 12
982762.000	D 84, H 85	Spigot adapter for mounting Ø 76 mm pole-top on Ø 60 mm spigot, with 2 headless screws.	

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Pole top luminaires | LUPALO SCANDIA - Zhaga socket | movement sensor





Type of protection: **IP 66**
Protection class: II
Impact protection: IK06

Housing made of corrosion-resistant die-cast aluminium, seawater resistant powder-coated. Pole attachment for 76 mm spigot. With stainless steel screws. Diffuser: glass, transparent. With membrane valve as a standard to avoid condensed water. Refractor optics with multichip LED. Light distribution optimised for road or area lighting. Control gear with integrated surge protection up to 10 kV. Constant light output (CLO). Converter compatible with DC. With NFC programming interface. Converter integrated in the luminaire head. Pre-assembled connection cable, length 6 m.

Available colours (X): 31 = anthracite, 4 = silver

The integrated Zhaga base allows sensors and light management systems to be retrofitted without the need for tools.

Passive infrared movement sensor (PIR) with 8-10 m detection range.

Comparison
LED vs. conventional lamps

LED 14 W ≈
1 x 35 W HIT (43 W Psys)

LED 34 / 35 W ≈
1 x 70 W HIT (84 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Luminaires for spigot Ø 76 mm - Zhaga socket						**Price Category 12**
Asymmetrical linear light distribution for wide streets and paths according to DIN EN 13201						
612269.00X.Z1	D 187, H 572	730	1550/3650	14/34	111	DALI Zhaga
612269.00X.1.Z1	D 187, H 572	740	1650/3850	14/34	118	DALI Zhaga
Asymmetrical linear light distribution for narrow streets and paths according to DIN EN 13201						
612270.00X.Z1	D 187, H 572	730	1600/3700	14/35	114	DALI Zhaga
612270.00X.1.Z1	D 187, H 572	740	1650/3900	14/35	118	DALI Zhaga
Symmetrical light distribution for area lighting (e.g. squares, pedestrian zones)						
612268.00X.Z1	D 187, H 572	730	1750/4100	14/35	125	DALI Zhaga
612268.00X.1.Z1	D 187, H 572	740	1800/4300	14/35	129	DALI Zhaga
Luminaires for spigot Ø 76 mm - with Zhaga socket (Book 18) and movement sensor						**Price Category 12**
Asymmetrical linear light distribution for wide streets and paths according to DIN EN 13201						
612272.00X.Z1	D 187, H 572	730	1550/3650	14/34	111	DALI Zhaga
612272.00X.1.Z1	D 187, H 572	740	1650/3850	14/34	118	DALI Zhaga
Asymmetrical linear light distribution for narrow streets and paths according to DIN EN 13201						
612273.00X.Z1	D 187, H 572	730	1600/3700	14/35	114	DALI Zhaga
612273.00X.1.Z1	D 187, H 572	740	1650/3900	14/35	118	DALI Zhaga
Symmetrical light distribution for area lighting (e.g. squares, pedestrian zones)						
612271.00X.Z1	D 187, H 572	730	1750/4100	14/35	125	DALI Zhaga
612271.00X.1.Z1	D 187, H 572	740	1800/4300	14/35	129	DALI Zhaga

Top roof			**Price Category 12**
982752.00X	D 601, H 66	Aluminum, seawater-resistant powder-coated with 3 keyholes.	



Reducing adapters			**Price Category 12**
982762.000	D 84, H 85	Spigot adapter for mounting Ø 76 mm pole-top on Ø 60 mm spigot, with 2 headless screws.	







STEEL POLES

Accessories

- CE-certified steel poles, compliant with EN 40, with continuous buried base as a standard, on request available with flange plate.
- Precise door cut out for accurate flush fitting.
- Powder-coated with RZB standard colours for optimum consistency with the luminaire paint, RAL colours possible on request.
- Careful smoothing of the visible area as pre-treatment for powder-coating.
- Direct transport with special vehicles from the production plant to the place of delivery to avoid transport damage.







Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Accessories | Steel poles, spigot Ø: 76 mm



Cylindrical stepped pole made of steel according to DIN EN 40. Hot-dip galvanised in compliance with DIN EN ISO 1461. Flush pole door, 85 x 400 mm. Triangular lock, other locks on request. C-slot with two sliding nuts M6 and earthing stud M8. Cable hole 50 x 150 mm (UKK 500 mm below level).

We charge additional shipping costs for small quantities up to 5 poles per place of delivery, regardless of the order value. Please ask for exact conditions for specific orders.

Available colours (X): 0 = blank, 31 = anthracite, 4 = silver





Reference number	Dimensions [mm]		
Straight light poles cylindrical, stepped with swaged joint, according to EN 40			**Price Category 12**
611891.000	D 114, H 3500, HE 600	uncoated	
611891.00X	D 114, H 3500, HE 600	powder-coated	
611892.000	D 114, H 4000, HE 800	uncoated	
611892.00X	D 114, H 4000, HE 800	powder-coated	
611893.000	D 114, H 4500, HE 800	uncoated	
611893.00X	D 114, H 4500, HE 800	powder-coated	
611894.000	D 114, H 5000, HE 800	uncoated	
611894.00X	D 114, H 5000, HE 800	powder-coated	
611895.000	D 114, H 6000, HE 1000	uncoated	
611895.00X	D 114, H 6000, HE 1000	powder-coated	

Accessories | Steel poles, spigot Ø: 76 mm



Conical steel pole, according to DIN EN 40. Hot-dip galvanised in compliance with DIN EN ISO 1461. Flush pole door, 85 x 400 mm. Triangular lock, other locks on request. C-slot with two sliding nuts M6 and earthing stud M8. Cable hole 50 x 150 mm (UKK 500 mm below level).

We charge additional shipping costs for small quantities up to 5 poles per place of delivery, regardless of the order value. Please ask for exact conditions for specific orders.

Available colours (X): 0 = blank, 31 = anthracite, 4 = silver



Reference number	Dimensions [mm]		
Straight light poles conical round according to EN40			**Price Category 12**
611896.000	D 134, H 3500, HE 600	uncoated	
611896.00X	D 134, H 3500, HE 600	powder-coated	
611897.000	D 124, H 4000, HE 800	uncoated	
611897.00X	D 124, H 4000, HE 800	powder-coated	
611898.000	D 129, H 4500, HE 800	uncoated	
611898.00X	D 129, H 4500, HE 800	powder-coated	
611899.000	D 134, H 5000, HE 800	uncoated	
611899.00X	D 134, H 5000, HE 800	powder-coated	
611900.000	D 146, H 6000, HE 1000	uncoated	
611900.00X	D 146, H 6000, HE 1000	powder-coated	
611901.000	D 156, H 7000, HE 1000	uncoated	
611901.00X	D 156, H 7000, HE 1000	powder-coated	
611902.000	D 168, H 8000, HE 1200	uncoated	
611902.00X	D 168, H 8000, HE 1200	powder-coated	
611903.000	D 191, H 10000, HE 1500	uncoated	
611903.00X	D 191, H 10000, HE 1500	powder-coated	

Accessories | Fuse box

Housing: plastic. Contact protection in accordance with VBG 4. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 outgoing lines.



Fuse box			**Price Category 12**
61199.009	L 265, B 72, H 75	Fuse box.	



Base plate set - Mounting aid / protection against sinking			**Price Category 12**
982099.000	L 300, B 300, H 3	loose including fastening screws	
982100.000	L 400, B 400, H 3	loose including fastening screws	



Edge guard for cable hole			**Price Category 12**
982098.003		Edge guard for cable hole 50 x 150 mm	



Shrink sleeve for earth transition area, plastic			**Price Category 12**
982566.003	L 450, D 130	for pole diameter 110 - 130 mm	
982567.003	L 450, D 150	for pole diameter 125 - 150 mm	
982101.003	L 450, D 170	for pole diameter 145 - 170 mm	
982102.003	L 450, D 215	for pole diameter 170 - 195 mm	



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RZB HOME + BASIC

The RZB HOME + BASIC range includes a number of different indoor and outdoor luminaires. An almost unbeatable price-performance ratio makes the energy-saving, low-maintenance luminaires for private use as well as in public areas such as attractive as in stairwells, hallways, dormitories, schools and kindergardens. Thanks to the expanded product range, lighting tasks in basements, underground parking and workshops can also be easily realized. The diversity within the HOME + BASIC series leaves plenty of scope for a wide variety of design approaches and creative ideas.

All products in the HOME + BASIC family are submitted to demanding RZB quality inspections and so, without exception, meet the high standards of the Bamberg luminaire manufacturer.





The application image shows:
HB 506

© Fotostudio Lippmann


789


789


789

Ceiling and wall luminaires
788-789


790

Linear light fittings
790


791

Oval bulkhead luminaires
791


792

Recessed downlights
792-793


794

Luminaires for moist/humid environments
794


795

Highbay luminaires
795



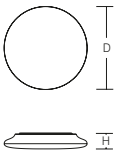
HOME + BASIC

Ceiling and wall luminaires

- Convincing combination of design and value for money.
- Easy installation with Plug & Play plug connection.
- Low installation height.
- Homogeneous light distribution.
- For private and public use.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | HB 501





Type of protection: **IP 40**
Protection class: I
Impact protection: IK06

Quick mounting adapter steel sheet, white powder-coated, with bayonet fastening.
Housing: plastic (polycarbonate). Diffuser: plastic (polycarbonate), opal.
Base and diffuser are sealed together. Driver integrated.

Available colour: 2 = white

MultiColour: Colour temperature adjustable via switching element. Factory setting is 3000 K.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
221174.002.2	D 250, H 48	830, 840, 857	1100	12	92	on/off
221175.002.2	D 300, H 48	830, 840, 857	1750	17	103	on/off
221176.002.2	D 400, H 63	830, 840, 857	2400	25	96	on/off

MultiColour: luminous flux and system power can vary depends on the light color. You will find more detailed information on www.rzb-lighting.com.

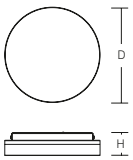
Comparison
LED vs. conventional lamps

LED 12 W ≈
1 x 26 W TC-D (34 W Psys)

LED 17 W ≈
2 x 18 W TC-D (52 W Psys)

LED 25 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | HB 505





Type of protection: IP 20
Protection class: I
Impact protection: IK06

Quick mounting adapter galvanized steel sheet, with fastening screws.
Housing: plastic (polycarbonate). Diffuser: plastic (polycarbonate), opal.
Base and diffuser are sealed together. Driver integrated.

Available colour: 2 = white

MultiColour: Colour temperature adjustable via switching element. Factory setting is 3000 K.

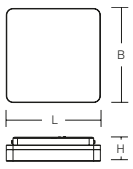
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
221186.002.2	D 220, H 53	830, 840	1350	15	93	on/off
221187.002.2	D 268, H 53	830, 840	1600	18	94	on/off

MultiColour: luminous flux and system power can vary depends on the light color. You will find more detailed information on www.rzb-lighting.com.

Comparison
LED vs. conventional lamps

LED 15 / 18 W ≈
2 x 18 W TC-D (52 W Psys)

Ceiling and wall luminaires | HB 506





Type of protection: IP 20
Protection class: I
Impact protection: IK06

Quick mounting adapter galvanized steel sheet, with fastening screws.
Housing: plastic (polycarbonate). Diffuser: plastic (polycarbonate), opal.
Base and diffuser are sealed together. Driver integrated.

Available colour: 2 = white

MultiColour: Colour temperature adjustable via switching element. Factory setting is 3000 K.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
221188.002.2	L 210, B 210, H 53	830, 840	1350	15	93	on/off
221189.002.2	L 260, B 260, H 53	830, 840	1700	18	100	on/off

MultiColour: luminous flux and system power can vary depends on the light color. You will find more detailed information on www.rzb-lighting.com.

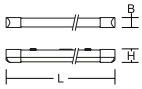
Comparison
LED vs. conventional lamps

LED 15 / 18 W ≈
2 x 18 W TC-D (52 W Psys)





Linear light fittings | HB 507



Type of protection: **IP 40**
Protection class: II
Impact protection: IK03

Body and end caps made of white plastic.
Diffuser: plastic, opal. Converter integrated and encapsulated.

Available colour: 2 = white

MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.

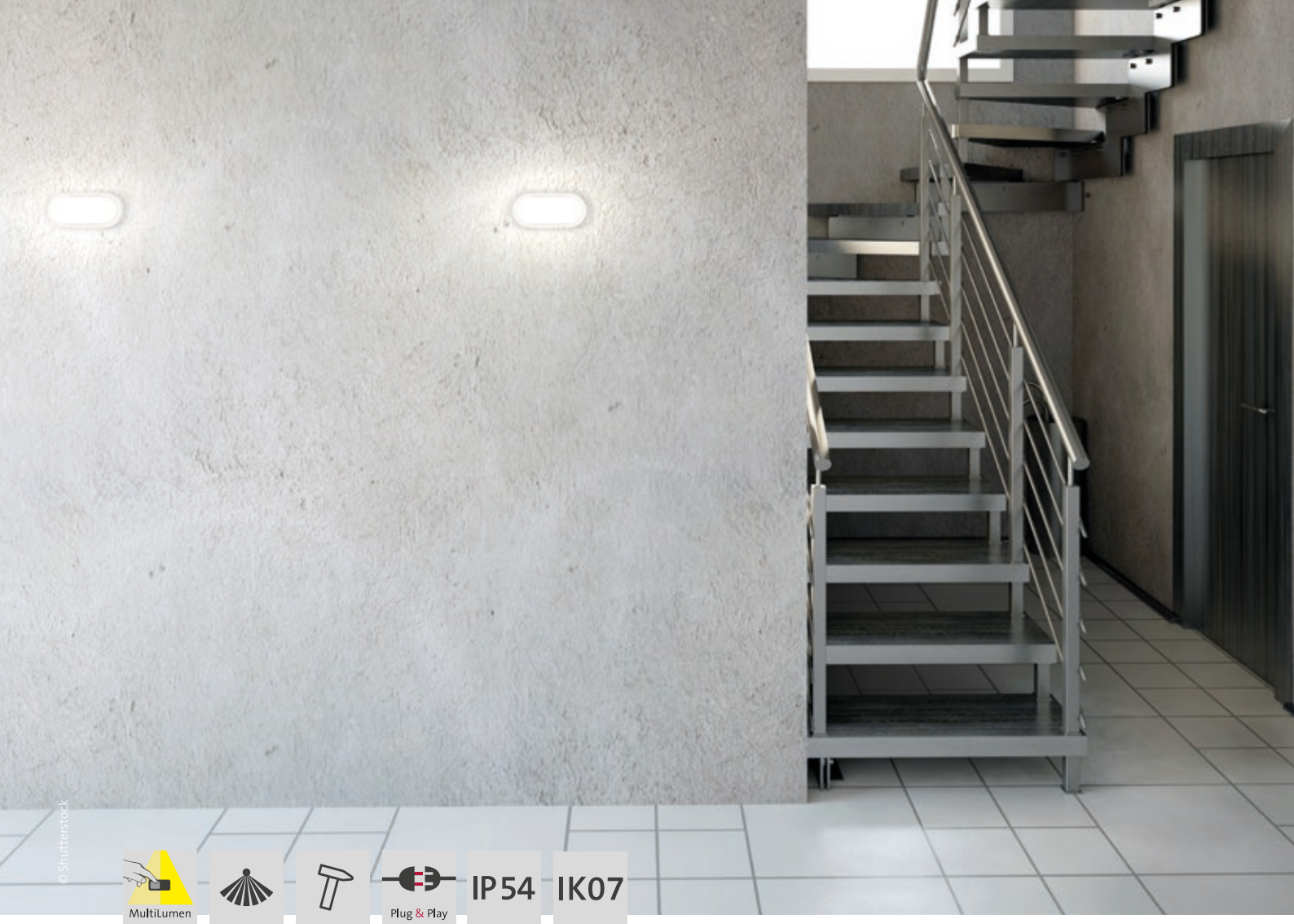
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Linear luminaires						**Price Category 11**
451222.002	L 600, B 42, H 55	830, 840	1000	9,3	108	on/off
451223.002	L 1200, B 42, H 55	830, 840	1400	11	127	on/off

Comparison
LED vs. conventional lamps

LED 9,3 W ≈
1 x 24 W T16 (24 W Psys)

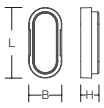
LED 11 W ≈
1 x 28 W T16 (31 W Psys)

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
# For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



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Oval bulkhead luminaires | HB 710



Type of protection: **IP 54**
Protection class: II
Impact protection: IK07

Housing and diffusor: opal, made of shockproof plastic (polycarbonate). Convenient, flexible connection option using 2 rear and 4 lateral cable inlets. Internal fixing points mean no screws are visible. Simple, tool-free installation using the Plug & Play plug-in system. LED module can be connected without use of tools. Suitable for through-wiring.

Available colour: 2 = white

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling and wall luminaires						**Price Category 11**
501050.002 .Q	L 207, B 97, H 56	840	700/1100	6/9,5	117	on/off
Ceiling and wall luminaires with integrated HF movement sensor						**Price Category 11**
501050.002.19	L 207, B 97, H 56	840	700/1100	7/10	110	Sensor

Comparison
LED vs. conventional lamps

LED 6 / 7 W ≈
1 x 18 W TC-D (26 W Psys)

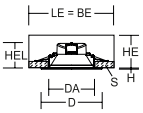
LED 9,5 / 10 W ≈
1 x 26 W TC-D (34 W Psys)

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
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For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.





Recessed downlights | HB 801



Type of protection: **IP 40**, **IP 54** on room side
Protection class: II
Ceiling thickness S: 5-22 mm
Impact protection: IK03

Housing: aluminium, plastic-coated. Passive cooling. Diffuser: plastic (polycarbonate), opal. Spring fastening system. Driver included.

Available colour: 2 = white

MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Recessed downlights								**Price Category 21**
Ceiling cut out DA 125 mm								
901695.002	D 145, H 3, HE 80	830, 840, 857	1250	13	96	107	27,9...29	on/off
Ceiling cut out DA 165 mm								
901696.002	D 190, H 3, HE 92	830, 840, 857	1550	16	97	105	26,8...27,4	on/off
Ceiling cut out DA 205 mm								
901697.002 .Q	D 225, H 3, HE 103	830, 840, 857	1950	20	98	106	26,4...26,9	on/off

MultiColour: luminous flux and system power can vary depends on the light color. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 16 W ≈
1 x 32 W TC-TEL (36 W Psys)

LED 20 W ≈
1 x 42 W TC-TEL (47 W Psys)



MultiColour - Colour temperature adjustable via switching element.







Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



© Roman Mensing



© Linus Lintner



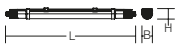
Comparison LED vs. conventional lamps

LED 20 W ≈
1 x 49 W T16 (53 W Psys)

LED 35 W ≈
1 x 80 W T16 (86 W Psys)

LED 52 W ≈
2 x 54 W T16 (115 W Psys)

Ceiling and wall luminaires | HB 702



Type of protection: **IP 65**
Protection class: II
Impact protection: IK07

Side panels: plastic, white polycarbonate. Diffuser: plastic (polycarbonate), opal. Converter encapsulated, integrated and permanently connected to the diffuser and side panel. Cable screw fittings for convenient wiring. Easy installation with removable end caps at both ends. Luminaire with integrated 3-phase through-wiring to connect multiple luminaires. Ceiling mounting stainless steel brackets and triangular brackets for pendant mounting included in delivery.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 2 = white

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Ceiling, wall and pendant luminaires						**Price Category 11**
451216.002 .Q	L 1260, B 53, H 53	840	2300/4000	20/35	115	on/off
451217.002 .Q	L 1560, B 53, H 53	840	4000/6000	35/52	115	on/off



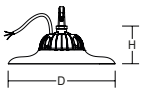
Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



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IP65 IK07

Highbay luminaires | HB 720



Type of protection: **IP 65**
Protection class: I
Impact protection: IK07

Housing: die-cast aluminium, powder-coated. Diffuser: shockproof plastic (polycarbonate). Easy to install thanks to 1-point suspension. With 3-pin connection terminal (300 mm). Suitable for chain or steel cable suspension (to be provided on site).

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 3 = black

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	UGR	Lighting control
Highbay luminaires								**Price Category 11**
921678.003	D 320, H 105	840	20000	145	138	74	28,7	on/off
921679.003	D 365, H 115	840	25000	180	139	64	28,9	on/off



Comparison LED vs. conventional lamps

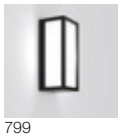
LED 145 W ≈
1 x 250 W HST (285 W Psys)
2 x 150 W HIT (320 W Psys)

LED 180 W ≈
1 x 400 W HIE (440 W Psys)

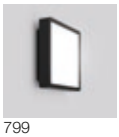


The application image shows:
HB 450

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799


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Wall luminaires

798-800


800


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Surface mounted downlights

800


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801

Bollards

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802

Garden spotlights

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Pole top luminaires

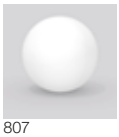
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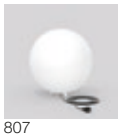

805


805

Solar luminaires

804-805


807


807

Garden luminaires

806-807



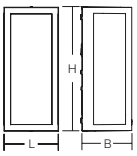
HOME + BASIC

Wall luminaires, Surface mounted downlights, Spotlights, Garden spotlights, Bollards, Pole top luminaires

- Housing made of powder-coated die-cast aluminium.
- Architectural design.
- Diffuser out of impact resistant plastic (polycarbonate) or glass.
- High type of protection: IP 54 or IP 65.
- Equipped with LEDs or COB-LEDs of recognised brands.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | HB 101





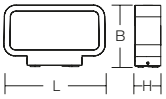
Type of protection: **IP 54**
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Diffuser: plastic (polycarbonate), opal.
Driver integrated.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
611980.0031 .Q	L 110, B 103, H 250	830	810	13	62	on/off

Wall luminaires | HB 103





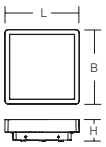
Type of protection: **IP 54**
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Diffuser: plastic (polycarbonate), opal.
Driver integrated.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
Double-side light output						
611982.0031	L 220, B 130, H 55	830	300	9	33	on/off

Wall luminaires | HB 107





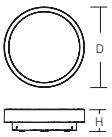
Type of protection: **IP 54**
Protection class: I
Impact protection: IK03

Housing: die-cast aluminium, powder-coated. Diffuser: plastic (polycarbonate), opal.
Driver integrated.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
612140.0031	L 236, B 236, H 68	830	1100	15	73	on/off

Wall luminaires | HB 108





Type of protection: **IP 54**
Protection class: I
Impact protection: IK03

Housing: die-cast aluminium, powder-coated. Diffuser: plastic (polycarbonate), opal.
Driver integrated.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
612141.0031	D 250, H 68	830	1050	15	70	on/off

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 10 W TC-D (16 W Psys)

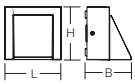
LED 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 15 W ≈
2 x 18 W TC-D (52 W Psys)

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



Wall luminaires | HB 105



Type of protection: **IP 54**
Protection class: I
Impact protection: IK06

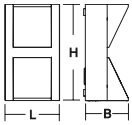
Housing: die-cast aluminium, powder-coated. Clear glass cover. Driver integrated.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
Light emission: one side						
611984.0031	L 80, B 66, H 75	830	110	4	28	on/off



Wall luminaires | HB 106



Type of protection: **IP 54**
Protection class: I
Impact protection: IK06

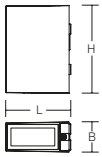
Housing: die-cast aluminium, powder-coated. Clear glass cover. Driver integrated.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
Double-side light output						
611985.0031	L 80, B 66, H 141	830	220	6	37	on/off



Wall luminaires | HB 113



Type of protection: **IP 54**
Protection class: I
Impact protection: IK03

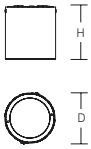
Housing: die-cast aluminium, powder-coated. Clear glass cover. Driver integrated.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Wall luminaires						**Price Category 12**
Double-side light output						
612143.0031	L 90, B 43, H 125	830	280	11	25	on/off



Surface mounted downlights | HB 110

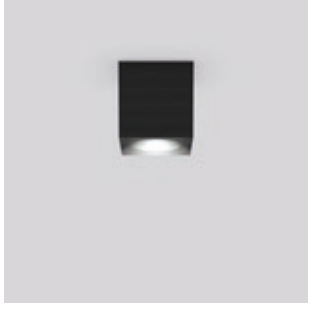


Type of protection: **IP 54**
Protection class: I
Impact protection: IK06

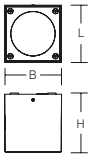
Housing: die-cast aluminium, powder-coated. Clear glass cover. Driver integrated.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Surface mounted downlights						**Price Category 12**
931186.0031	D 90, H 95	830	570	9	63	on/off



Surface mounted downlights | HB 111



Type of protection: **IP 54**
Protection class: I
Impact protection: IK06

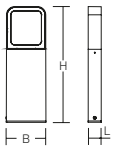
Housing: die-cast aluminium, powder-coated. Clear glass cover. Driver integrated.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Surface mounted downlights						**Price Category 12**
931187.0031	L 90, B 90, H 94	830	590	9	66	on/off

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For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

Bollards | HB 202





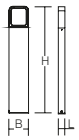
Type of protection: **IP 54**
Protection class: I
Impact protection: IK06

Bollard for socket mounting. Housing: die-cast aluminium, powder-coated.
Diffuser: plastic (polycarbonate), opal. Driver integrated.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Bollards						**Price Category 12**
611975.0031	L 40, B 120, H 350	830	290	9	32	on/off

Bollards | HB 203





Type of protection: **IP 54**
Protection class: I
Impact protection: IK06

Bollard for socket mounting. Housing: die-cast aluminium, powder-coated.
Diffuser: plastic (polycarbonate), opal. Driver integrated.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Bollards						**Price Category 12**
611976.0031	L 40, B 120, H 650	830	290	9	32	on/off

Bollards | HB 205





Type of protection: **IP 54**
Protection class: I
Impact protection: IK06

Bollard for socket mounting. Housing: die-cast aluminium, powder-coated.
Diffuser: plastic (polycarbonate), opal. Driver integrated.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Bollards						**Price Category 12**
611978.0031	L 108, B 108, H 650	830	390	12	33	on/off

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 20 W QT12 (24 W Psys)

LED 12 W ≈
1 x 35 W QT12 (40 W Psys)

to page 800

Comparison
LED vs. conventional lamps

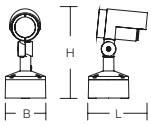
LED 4 W ≈
1 x 10 W QT9 (12 W Psys)

LED 6 / 11 W ≈
1 x 20 W QT12 (24 W Psys)

LED 9 W ≈
1 x 50 W QT12 (54 W Psys)



Spotlights | HB 109



Type of protection: **IP 65**
Protection class: I
Impact protection: IK06

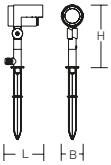
Housing: die-cast aluminium, powder-coated. Clear glass cover. With mains voltage LED module.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Floodlight						**Price Category 12**
Adjustable spotlight						
721992.0031	L 136, B 99, H 220	830	680	10	68	on/off



Garden spotlights | HB 207



Type of protection: **IP 65**
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Clear glass cover. With mains voltage LED module. With integral peg and 5 m power cord including Schuko-plug.

Available colour: 31 = anthracite

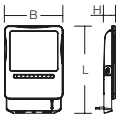
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Garden spotlight with earth spike						**Price Category 12**
Adjustable spotlight						
721993.0031	L 136, B 90, H 210	830	680	10	68	on/off

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 50 W QT12 (54 W Psys)



Spotlights | HB 450



Type of protection: **IP 65**
Protection class: I
Impact protection: IK08

Housing: die-cast aluminium, powder-coated. Bracket: steel, powder-coated. Clear glass cover. Pre-wired with 500 mm connection cable.

Available colour: 3 = black

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	α [°]	Lighting control
Projector for direct mains connection							**Price Category 12**
722146.003	L 150, B 112, H 33	840	2200	20	110	107	on/off
722147.003	L 195, B 145, H 41	840	5500	50	110	109	on/off
722125.003	L 360, B 240, H 48	840	7700	70	110	113	on/off
722126.003	L 360, B 240, H 48	840	11000	100	110	113	on/off
722127.003	L 432, B 288, H 58	840	16500	150	110	113	on/off
722128.003	L 480, B 320, H 68	840	22000	200	110	113	on/off

Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 W HIT (43 W Psys)

LED 50 W ≈
1 x 70 W HIT (80 W Psys)

LED 70 W ≈
2 x 50 W HIT (112 W Psys)

LED 100 W ≈
2 x 70 W HIT (159 W Psys)

LED 150 W ≈
2 x 100 W HIT (212 W Psys)

LED 200 W ≈
2 x 150 W HIT (320 W Psys)

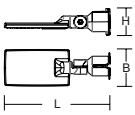
Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix.
For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.



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IP65 IK06

Pole top luminaires | HB 610



Type of protection: **IP 65**
Protection class: I
Impact protection: IK06

Housing: die-cast aluminium, powder-coated. Universal pole attachment for pole top Ø 42-76 mm and wall mounting. Tilt angle can be adjusted and locked in 5° steps. One piece multi-layer lens cover. Exchangeable mains voltage LED. Wide beam light distribution. Pre-wired with 500 mm connection cable. Please order reducer adapter for pole clamp D 42 mm separately.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Pole top luminaires						**Price Category 12**
612322.0031	L 445, B 154, H 112	830	5600	50	112	on/off
612323.0031	L 520, B 175, H 112	830	11100	101	110	on/off



Comparison
LED vs. conventional lamps

LED 50 W ≈
1 x 70 W HIT (80 W Psys)

LED 101 W ≈
2 x 70 W HIT (159 W Psys)



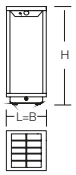
HOME + BASIC

Solar luminaires

- Decorative garden luminaire in square cross section.
- The symmetrical light distribution creates a harmonious lighting image.
- The light source is not directly visible, so creates a pleasant glare-free lighting.
- Thanks to integrated solar panel, no connecting cable required (battery operation).
- Movement detector with 120° detection area, integrated dusk switch.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Solar luminaires | HB 402





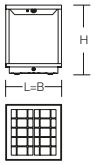
Type of protection: **IP 54**
Protection class: III
Impact protection: IK02

Housing: die-cast aluminium, powder-coated. With light emission diffuser plastic (polycarbonate) clear. With integrated movement sensor (PIR) and daylight sensor. Solar module for LED with lithium battery. Charging time: at least 6-8 hours at daylight (depending on the place of installation, solar radiation and season). Operating time: 2,5 - 3 hours max. (100 % light output), 20 - 25 hours max. (10 % light output from dusk to dawn), 12 - 15 hours max. (changing light output, light output rises up to 100 % for a duration of 45 seconds when a motion is detected, afterwards it drops down to 10 %). With plastic ground spike.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Solar luminaires						**Price Category 12**
2 W solar module for LED with lithium battery 3.7V / 2.2Ah						
612155.0031.19	L 140, B 140, H 500	830	120	2,2	55	on/off

Solar luminaires | HB 403





Type of protection: **IP 54**
Protection class: III
Impact protection: IK02

Housing: die-cast aluminium, powder-coated. With light emission diffuser plastic (polycarbonate) clear. With integrated movement sensor (PIR) and daylight sensor. Solar module for LED with lithium battery. Charging time: at least 6-8 hours at daylight (depending on the place of installation, solar radiation and season). Operating time: 2,5 - 3 hours max. (100 % light output), 20 - 25 hours max. (10 % light output from dusk to dawn), 12 - 15 hours max. (changing light output, light output rises up to 100 % for a duration of 45 seconds when a motion is detected, afterwards it drops down to 10 %). With plastic ground spike.

Available colour: 31 = anthracite

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	Lighting control
Solar luminaires						**Price Category 12**
5 W solar module for LED with lithium battery 3.7V / 4.4Ah						
612156.0031.19	L 200, B 200, H 245	830	250	3,5	71	on/off



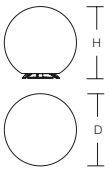
HOME + BASIC

Garden luminaires

- Durable plastic base featuring stable opal plastic diffuser (PE), silk finish.
- Good stability due to low balance point.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Garden luminaires | HB 301, HB 302, HB 303, HB 304





Type of protection: **IP 68**
Protection class: III (II while charging)
Impact protection: IK10

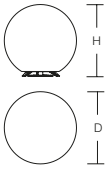
Plastic base with opal plastic (polyethylene) diffuser sphere, satin finish. LED with colour change sequencer for battery operation - tuneable coloured light RGB or white. Full charge service life 8 to 12 hours (continuous operation). Light control via IR remote control. External charger for 100 - 240 V / 50 - 60 Hz with an inductive cradle included.

Charge in dry rooms only!

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	System power [W]	System efficiency# [lm/W]	Lighting control
Decorative garden luminaires					**Price Category 12**
612106.002	D 200, H 200	RGBW	9	44	IR
612107.002	D 300, H 300	RGBW	9	44	IR
612108.002	D 400, H 400	RGBW	9	44	IR
612109.002	D 500, H 500	RGBW	9	44	IR

Garden luminaires | HB 309, HB 310, HB 311





Type of protection: **IP 54**
Protection class: II
Impact protection: IK06

Plastic base with opal plastic (polyethylene) diffuser sphere, satin finish. Fixture with pedestals and seperate adapter for fixed and ground-spike mounting. With 5 m connection cable including safety plug (Schuko), IP44.

RGB lamp and accessory for ground installation must be ordered separately!

Available colour: 2 = white

Reference number	Dimensions [mm]		Lighting control
Decorative garden luminaires			**Price Category 12**
612157.002	D 300, H 300	1 x E27ᵈ max. 60 W	on/off
612158.002	D 400, H 400	1 x E27ᵈ max. 60 W	on/off
612159.002	D 500, H 500	1 x E27ᵈ max. 60 W	on/off

Accessories			**Price Category 12**
982240.003	D 90, H 245	Earth spike	





The application image shows:
LINEDO

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Types of protection according to EN 60598/VDE 0711

1st digit: Protection against solid objects

	IP 2X	Protection against penetration of solid objects ≥ 12.5 mm
	IP 3X	Protection against penetration of solid objects ≥ 2.5 mm
	IP 4X	Protection against penetration of solid objects ≥ 1 mm
	IP 5X	Protection against dust penetration
	IP 6X	Dust-proof

2nd digit: Protection against water

	IP X1	Protected against water drops (vertically falling drops of water)
	IP X2	Protected against water drops (up to 15° from the vertical)
	IP X3	Splashproof luminaires
	IP X4	Luminaires are protected against water sprays
	IP X5	Luminaires are protected against water jets
	IP X6	Protected against rough sea or heavy jets of water
	IP X7	Protection against temporary immersion
m	IP X8	Protection against continuous immersion

The type of protection indicated for surface mounted, recessed, pole or pendant luminaires only applies to the defined and/or permitted type of luminaire installation.

Protection classes

Protection class I

Protection against electric shock is not derived solely from the basic insulation. Accessible conductive parts are also connected to the protective conductors on the on-site installation to prevent them from going live if the basic insulation fails.

Protection class II

Protection against electric shock is not derived solely from the basic insulation, but also assured by double- or triple-reinforced insulation. Neither has provision been made to connect a protective conductor nor is the protection derived from the construction conditions.

Protection class III

Protection against electric shock is derived from using the safety extra-low voltage (SELV). No voltages above SELV (max. 50 V AC or 120 V DC) are generated. Appropriate converters reliably separate SELV circuits in luminaires from other electric circuits.

IK code: Impact protection

The IK degree of impact protection is a classification for the resistance of housing for electrical equipment to mechanical impacts. It is standardised in accordance with IEC EN 50102 and describes how much impact energy in joules the housing can withstand without breaking. The higher the IK code, the more robust and resistant is the luminaire.

IK class (DIN EN 50102)	Impact energy (joules)
IK00	No impact resistance
IK01	up to 0,15 J
IK02	up to 0,20 J
IK03	up to 0,35 J
IK04	up to 0,50 J
IK05	up to 0,70 J
IK06	up to 1,00 J
IK07	up to 2,00 J
IK08	up to 5,00 J
IK09	up to 10,0 J
IK10	up to 20,0 J

Electrotechnical variants and additions

Codes are marked by a two-digit suffix separated by a point at the end of the reference number.

Code .19	**Movement sensor**
	With movement sensor (stand-alone or master)
Code .191	**Slave luminaire**
	for operation with **.19** master luminaires
Code .25	**Light-sensitive switch**
	Integrated light-sensitive switch
Code .730	**smart+free**
	Light management for wireless light control via Bluetooth®
Code .76	**EB, digitally dimmable (DALI)**
	Version with digitally dimmable EB, DALI compatible
Code .790	**MultiLumen version**
	Luminous flux adjustable in different steps

Ballasts

Our luminaires are mainly fitted with low-loss ballasts. They are designed for 230 V/50 Hz (ballasts with other specifications available on request).

Service life criteria

The luminous flux of LEDs and LED luminaires declines slowly as the operating time increases. The parameters Lx,By describe the condition after a rated time of operation.

In the expression Lx,By, x stands for the remaining proportion of initial luminous flux in %, and y stands for the proportion of LEDs or luminaires that still supply luminous power flux but at a level lower than x %.

These parameters are used, for example, for drawing up maintenance plans for lighting systems. Correctly dimensioned LED luminaires continue to provide light for a long time even after the rated time of operation.

You can find more detailed explanations about the operating performance of LEDs in: Guide to reliable planning with LED lighting published by ZVEI, Revised 3rd edition.

Binning

The term „binning“ describes the classification of LEDs in the ongoing production process, in particular with respect to their colour quality. Light colour (the most similar colour temperature), colour rendering index (Ra) and colour coordinate tolerance (MacAdam‘s ellipses) are the common terms generally used to describe the binning of an LED.

Specifications subject to alteration

Abbreviations

L	Length
B	Width
H	Height
D	Diameter
T	Depth
LP	Pendant length
AL	Extension
BA, LA, DA	Cut out (width, length or Ø)
HE	Required minimum recess depth including ceiling thickness (for mechanical and thermal reasons)
TE	Recess height of luminire (ceiling)
HEL	Recessed height of the luiminaire including ceiling thickness
Le	Recess length
Tg	Operating temperature in °C at the centre of the luminaire surface
ta	Luminaires marked “ta 15°C” are designed for ambient temperatures of 15°C and are also suitable for outdoors.
LVK	Light distribution curve
LED	stands for light emitting diode, an electronic semi-conductor component offering excellent energy efficiency and a long service life.
Ⓘ	Our Edison socket luminaires are mainly compatible with halogen and compact fluorescent lamps, as well as LED lamps, as an alternative to conventional general service lamps. All such luminaires are marked in the catalogue with Ⓘ, furthermore socket size and maximum lamp wattage are indicated. The indicated maximum wattage refers to the conventional general service lamp. When using non-conventional lamps, please follow the vendor’s instructions concerning conversion of the relevant wattage. In determining which light source is suitable, you will need to consider the size of the light source and the number of times it can be switched on and off. Please note that the “Comparison of LED and conventional lamps” is based on hypothetical averages and not on exact figures.

Symbol explanations



Directive 2012/19/EU (WEEE)

Electrical and electronic equipment should never be disposed of with general household waste. The devices must be delivered to an appropriate facility to allow for environmentally sound disposal, recovery of recyclable materials and the possibility of re-use.

Registration with the German Clearing House, stiftung ear, under WEEE reg. no.: 15524944

General information

Indoor lighting

For recessed luminaires, the indicated type of protection only applies to luminaires installed in closed, dry ceilings.

The requirements to be met during installation of the luminaire concerning distance and recess height are specified in the relevant installation instructions for open and closed ceilings. These installation instructions are also available at www.rzb-lighting.com.

Outdoor lighting

Possibility of condensation

Condensation can arise in outdoor luminaires with a high type of protection.

A vacuum occurs while the luminaires are cooling down and/or after they were switched off or when temperatures fluctuate strongly. This can result in moisture getting in the inside of the luminaire, where it condenses.

As such, the accumulation of condensation in an outdoor luminaire is by no means an indication that the luminaire is not watertight.

Care of stainless steel luminaires

Stainless steel is corrosion resistant and therefore does not require any organic nor metallic coating to improve its corrosion resistance or appearance.

To keep the luminaires looking good, they should occasionally be treated with a suitable cleaning agent.

Safety and quality

To reduce development times and produce high-quality, safe and standard-compliant luminaires, we have a modern electrical laboratory that is certified according to the Test Data Acceptance Programme (TDAP) by the VDE Testing and Certification Institute. In it, we carry out measurings according to the relevant guidelines and standards. In addition to running protection-type, glow-wire, heat, temperature, humidity, high-voltage and power tests with the latest test devices, we can also measure electromagnetic compatibility (EMC). Alongside our electrical laboratory, we also have a light laboratory with goniophotometer, spectrometer and flicker meter for measuring photometric data.

All the luminaires in this catalogue, and all our customised luminaires, are produced in accordance with the applicable European directives and regulations and the European standard EN 60598 (VDE 0711). For our extensive product portfolio we have VDE test certificates as well as the ENEC (European Norms Eletrical Certification) safety mark. The manufacture of these luminaires is monitored by regular factory inspections by the VDE Testing and Certification Institute.

From product development, goods entry, production, logistics up to our after sales service, every step of the process is strictly controlled, continuously optimised and, if necessary redefined. Our quality management system has been continuously certified since 1996.

RZB is certified according to DIN EN ISO 9001:2015.

Safety marks

The ENEC mark is a European test and certification mark for luminaires and electrical luminaire components.

CE Putting on the CE mark on our luminaires we certify that our products fulfill the basic requirements of European regulations and standards. The respective CE declaration of conformity is available for download on our website www.rzb-lighting.com within the download section of each product.

Explanation of values indicated in this catalogue

Light colour

To indicate the „light colour“ and the colour rendering quality of a light source, the lighting industry uses a three-digit light colour code, where the first digit defines the colour rendering index (CRI) while the second and third denote the correlated colour temperature of the light emitted by the light source in Kelvin [K].

Examples:

8 27
- 27: colour temperature 2700 K
- 8: colour rendering index Ra = 80-89

9 40
- 40: colour temperature 4000 K
- 9: colour rendering index Ra = 90-100

Beam angle (⊲) [°]

also called half-peak angle of a luminaire is defined as that part of the beam where the light level varies between its peak intensity and half the peak level. This angle indicates whether the light distribution of a luminaire is narrow, medium or wide beam.

superspot	<10°
spot	10°- 20°
medium	>20°- 35°
flood	>35°- 45°
wide flood	>45°- 70°
extra wide flood	>70°

Luminous flux [lm]

is defined as the total quantity of light emitted by **a luminaire** and is measured in lumens [lm].

The values indicated in this catalogue are rated values.

Lighting control

Indicates whether the luminaire is dimmable and which system is used.

System power [W]

Indicates the luminaire 's total power requirements, i.e. the total watts [W] required to power the light source and any ballast or driver needed for operation.

The values indicated in this catalogue are rated values.

UGR

The UGR value (Unified Glare Rating) allows for the rating of direct glare resulting from indoor lighting installations. The higher the UGR value, the higher is the risk of glare. Standardized limit values are defined for specific types of activities and areas and must not be exceeded (see e.g. DIN EN 12464-1).

System efficiency [lm/W]

System efficiency describes the ratio of luminaire luminous flux (lm) to system power (W) used. Power losses due to control gear are already taken into account in the lm/W value. For multi-lumen versions, the nominal value is indicated.

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 - further information is available in the Emergency lighting catalogue.

System power LED ≈ Conventional lamp (system power)

This comparison is for a better orientation with respect to the light output of LED luminaires based on the comparison of luminous flux. The specified system power of the illustrated LED luminaires is compared with the appropriate luminaires with conventional lamps. To make the power consumption clear, the system power (Psys) of the conventional lamps is given in brackets.

Comparison LED vs. conventional lamps

LED 28 W ≈

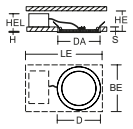
2 x 26 W TC-D (68 W Psys)
1 x 40 W T16-R (43 W Psys)

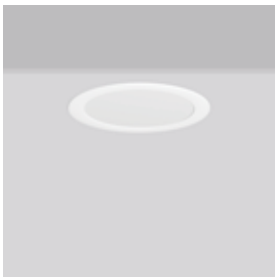
LED 35 W ≈

4 x 18 W TC-D (104 W Psys)
1 x 55 W T16-R (60 W Psys)

Specifications subject to alteration

Recessed downlights | TOLEDO FLAT round





Type of protection: **IP 54**
Protection class: II
Ceiling thickness S: 1-20 mm
Impact protection: IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA).
Ceiling installation with spring system. Mounting depth depends on ceiling strength.
Including separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	α [°]	Lighting control	🚶
Recessed downlights								**Price Category 21**
Diffuser: plastic, opal								
Ceiling cut out DA 128 mm								
901451.002 .Q	D 148, H 2, HE 27-53	830	470	5	94	110	on/off	✓
901451.002.76	D 148, H 2, HE 31-53	830	470	5	94	110	DALI	
901451.002.1	D 148, H 2, HE 27-53	840	530	5	106	110	on/off	✓
901451.002.1.76	D 148, H 2, HE 31-53	840	530	5	106	110	DALI	
Ceiling cut out DA 170 mm								
901452.002 .Q	D 190, H 2, HE 27-53	830	780	7,7	102	110	on/off	✓
901452.002.76	D 190, H 2, HE 31-53	830	780	7,7	102	110	DALI	
901452.002.1 .Q	D 190, H 2, HE 27-53	840	840	7,7	110		on/off	✓
901452.002.1.76	D 190, H 2, HE 31-53	840	840	7,7	110		DALI	
Ceiling cut out DA 234 mm								
901453.002 .Q	D 255, H 3, HE 30-56	830	1650	17	98	110	on/off	✓
901453.002.76 .Q	D 255, H 3, HE 31-56	830	1650	17	98	110	DALI	
901453.002.1 .Q	D 255, H 3, HE 30-56	840	1800	17	106	110	on/off	✓
901453.002.1.76 .Q	D 255, H 3, HE 31-56	840	1800	17	106	110	DALI	
Tunable White - 2700 K to 6500 K								
901666.002.76	D 255, H 3, HE 30-56	827-865	1700	19	90	110	DALI	
901666.002.730	D 255, H 3, HE 55-75	827-865	1700	19	90	110	smart+free	
Ceiling cut out DA 288 mm								
901484.002 .Q	D 317, H 3, HE 31-54	830	2150	22	98	108	on/off	✓
901484.002.76	D 317, H 3, HE 31-54	830	2150	22	98	108	DALI	
901484.002.1 .Q	D 317, H 3, HE 31-54	840	2250	22	103	108	on/off	✓
901484.002.1.76	D 317, H 3, HE 31-54	840	2250	22	103	108	DALI	
Tunable White - 2700 K to 6500 K								
901667.002.76	D 317, H 3, HE 31-54	827-865	2450	24	105	108	DALI	
901667.002.730	D 317, H 3, HE 55-75	827-865	2350	24	98	108	smart+free	
Ceiling cut out DA 470 mm								
901585.002	D 495, H 6, HE 40-59	830	3550	30	119	113	on/off	
901585.002.76	D 495, H 6, HE 40-59	830	3550	30	119	113	DALI	
901585.002.1	D 495, H 6, HE 40-59	840	3600	30	120	113	on/off	
901585.002.1.76	D 495, H 6, HE 40-59	840	3600	30	120	113	DALI	
Tunable White - 2700 K to 6500 K								
901668.002.76	D 495, H 6, HE 35-55	827-865	3150	30	105	113	DALI	
901668.002.730	D 495, H 6, HE 55-75	827-865	3150	30	105	113	smart+free	
Diffuser: plastic, microprismatic								
Ceiling cut out DA 470 mm								
901586.002	D 495, H 6, HE 40-59	830	3450	30	115	88	on/off	
901586.002.76	D 495, H 6, HE 40-59	830	3450	30	115	88	DALI	
901586.002.1	D 495, H 6, HE 40-59	840	3550	30	119	88	on/off	
901586.002.1.76	D 495, H 6, HE 40-59	840	3550	30	119	88	DALI	
Tunable White - 2700 K to 6500 K								
901669.002.76	D 495, H 6, HE 35-55	827-865	2900	30	97	88	DALI	
901669.002.730	D 495, H 6, HE 55-75	827-865	2900	30	97	88	smart+free	

Comparison LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W Psys)

LED 7,7 W ≈
1 x 18 W TC-D (26 W Psys)

LED 17 / 19 W ≈
1 x 32 W TC-TEL (36 W Psys)

LED 22 / 24 W ≈
2 x 26 W TC-D (68 W Psys)

LED 30 W ≈
3 x 26 W TC-D (102 W Psys)

🚶 ✓

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22.

Chemical Resistance

to the plastics used in the manufactured luminaires

Chemical Agents	max. concentration	PC	PMMA
Acetone		-	-
Battery Acid		o	-
Aliphate. Hydrocarbons		+	o
Alcohol	30%	+	+
Alcohol concentrate		-	-
Aluminium sulphate	10%	+	
Formic acid	30%	-	o
Ammonia	5%	-	+
Ammonia	25%	-	+
Aniline		-	-
Aromatic hydrocarbons		-	-
Arsenic acid		+	+
Ether		-	-
Caustic potash		-	
Benzene		-	-
Beer		+	+
Blood		+	+
Bromic acid		-	-
Calcium Chloride		+	+
Chloroform		-	-
Chlorophenol		-	-
Chromic acid	40%	o	o
Diesel fuel		o	+
Dioxane		-	-
Acetic acid	5%	+	o
Acetic acid	30%	+	-
Ethyl acetate (ester)		-	-
Ethanol	30%	+	o
Ethanol	50%	+	-
Ethyl acetate		-	-
Ethyl alcohol		+	o
Mineral fat		-	+
Vegetable fat		-	+
Animal fat		-	+
Glycerin		o	+
Glycol		+	+
Glysantin		+	+
Glycerine		o	+
Fuel oil		-	o
Caustic potash	30%	-	+
Potassium nitrate		+	+
milk of lime		o	+
Ketone		-	-
Saline solution	20%	+	+
Carbon dioxide		+	+
Carbon monoxide		+	+

Chemical Agents	max. concentration	PC	PMMA
Hydrocarbons		-	o
Lye		o	+
Lysol		-	-
Sea water		+	+
Methanol		-	-
Methyl chloride		-	-
Lactic acid, aqueous	10%	+	+
Mineral oils		+	+
Sodium hydroxide solution	2%	-	+
Sodium hydroxide solution	10%	-	+
Regular petrol (ROZ 91)		o	-
Petroleum ether		o	+
Phenol		-	-
Nitric acid	10%	+	+
Nitric acid	20%	o	o
Hydrochloric acid	5%	+	+
Hydrochloric acid	15%	+	+
Hydrochloric acid	20%	o	+
Sulfur dioxide		o	-
Sulphuric acid	30%	+	+
Sulphuric acid	50%	+	+
Sulphuric acid	70%	o	o
Hydrogen sulfide		+	+
Soap sud		+	+
Silicone oils		+	o
Soda bleach		+	+
Premium petrol		-	+
Turpentine oil		o	o
Carbon tetrachloride		-	-
Toluene		-	-
Trichloroethylene		-	-
Hydrogen peroxide	30%	o	-
Hydrogen sulfide		+	+
Xylene / Dimethylbenzene		-	-
Citric acid	20%	+	+

+ resistant
o partially resistant
- non-resistant

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TERMS & CONDITIONS OF SALE AND DELIVERY

as of November 17, 2020

Article I: General provisions

1. All legal relationships between Supplier and Purchaser with regard to deliveries and/or performance by Supplier ("Deliveries") are governed solely by these terms and conditions. Purchaser's general terms and conditions of business only apply if Supplier has expressly acknowledged them in writing. The scope of Deliveries is governed by the mutually agreed written declarations.
2. Supplier reserves the unrestricted rights of use to any quotations, drawings and other literature ("Documents") under possession and copyright law. Documents may only be made accessible to third parties with Supplier's prior consent. If Supplier is not awarded the contract, said Documents are to be returned immediately on request. Sentences 1 and 2 apply accordingly for Purchaser's Documents, although these may be made accessible to those third parties to whom Supplier has permissibly transferred Deliveries.
3. Purchaser is granted the non-exclusive right to utilise the standard software and firmware with the performance characteristics agreed, without modifying the same, on the devices specified. Purchaser may make a back-up copy of the standard software without obtaining express agreement.
4. Partial shipments are permissible.
5. The term „claims for damages" in these Terms and Conditions of Delivery also encompasses claims for reimbursement of futile expenses.

Article II: Prices, terms of payment and offsetting

1. Prices are quoted ex works excluding packaging plus any applicable statutory sales tax and other taxes and duties that may be levied.
2. If Supplier is responsible for setup or assembly, and unless otherwise agreed, Purchaser is responsible for all necessary ancillary costs, such as travel and shipping costs and accommodation allowances, in addition to the agreed payment.
3. Payments are due to Supplier's designated paying agent free of charges.
4. Purchaser may only offset against undisputed or legally established receivables.

Article III: Retention of title and payment protection

1. Items representing Deliveries (retained goods) remain the property of Supplier until Purchaser has satisfied each and every claim of Supplier under the business relationship.
2. For the duration of retention of title, Purchaser may not pledge the retained goods or use them as security, and they may only be resold by resellers in the ordinary course of their business and only on condition that the reseller receives payment from its customer or makes the transfer of ownership to the customer dependent upon the customer fulfilling its payment obligations.
3. Purchaser agrees to inform Supplier immediately and in writing of any seizures, confiscations or other disposals or acts of intervention by third parties.
4. If Purchaser fails to fulfil its duties, especially in rendering due payments, Supplier is entitled to take back the goods and cancel the contract if Purchaser fails to provide remedy within a reasonable period set by Supplier. Purchaser is obliged to relinquish the goods. Supplier's demand for return of the goods, exercise of retention of title, or seizure of the retained goods does not constitute termination of the contract unless Supplier expressly declares the same.

Article IV: Delivery periods; delays

1. Adherence to stipulated delivery periods is conditional upon timely receipt of all documents, necessary permits and releases, especially of plans to be provided by Purchaser, and upon the latter's fulfilment of the agreed terms of payment and other obligations. Failure to meet these conditions on time will extend the delivery periods; this is not applicable if Supplier is responsible for the delay.
2. If failure to adhere to the delivery periods is due to

   a) force majeure, e.g. mobilisation, war, terrorist attacks, rebellion or similar events (e.g. strike, lockout),

   b) virus and other third-party attacks on Supplier's IT systems despite Supplier exercising due caution in implementing safeguards,

   c) hindrances under German, Swiss, US and other applicable national, EU or international laws governing external trade, or other circumstances beyond Supplier's control,

   d) late or incorrect delivery to Supplier, the deadlines will be extended by a reasonable period.
3. If Supplier delays delivery, Purchaser may – subject to provision of evidence of any loss suffered – demand compensation for each complete week of delay of 0.5% (up to a maximum of 5%) of the price for the part of the Deliveries that could not be put to intended use as a result of the delay.
4. Purchaser's claims for damages on grounds of late Deliveries as well as claims for damages in lieu of performance [Note: this issue must be checked under Swiss law] that exceed the limits specified in 3. above are excluded in all cases of delayed Deliveries, even after Supplier has failed to meet a deadline set for delivery. The aforementioned does not apply in cases of unlawful intent or gross negligence on Supplier's part, nor if it contravenes mandatory law. Purchaser may only withdraw from the contract if Supplier is at fault with regard to the late Deliveries and if Supplier has failed to meet a previously specified, reasonable deadline.
5. At Supplier's request, Purchaser must – within a reasonable period – state whether it wishes to withdraw from the contract due to the delay in Deliveries, or insists on the Deliveries.
6. If dispatch or delivery is delayed at Purchaser's request by more than one month after giving notice of readiness for dispatch, Purchaser may be charged storage costs of 0.5% of the price of the Deliveries for every additional month or part thereof. The parties to the contract are at liberty to prove the incurrence of higher or lower storage costs.

Article V: Transfer of risk

1. If not expressly otherwise agreed upon in writing between the Purchaser and the Supplier, all goods shall be delivered FCA RZB premises Bamberg (Incoterm 2020) at the time when the goods are loaded onto the Purchaser's transport.
2. The risk passes to Purchaser if the dispatch, delivery, commencement or execution of setup or assembly, adoption into Purchaser's own operation or trial run is delayed for reasons for which Purchaser is responsible, or if the latter otherwise delays acceptance of the goods.

Article VI: Acceptance

Purchaser may not refuse to accept Deliveries on grounds of minor defects.

Article VII: Material defects

1. The warranty period is 12 months. It commences when the Deliveries leave the factory or, if appropriate, following agreed acceptance of the Deliveries or, if Supplier is responsible for assembly, upon completion of the same. If dispatch, acceptance or assembly are delayed for reasons beyond Supplier's control, the warranty lapses at the latest 18 months after notification of readiness for dispatch. The warranty lapses prematurely in case of unauthorised modifications or repairs by Purchaser or third parties, or failure by Purchaser to immediately take all suitable steps to mitigate the damage in the event of a defect and to give Supplier the opportunity to remedy the defect.
2. During the warranty period and at Purchaser's request, Supplier undertakes to either remedy or replace – at Supplier's discretion – as quickly as possible any and all parts of Supplier's Deliveries that are demonstrably damaged or unusable at the time of risk transfer due to material defects, design flaws or poor workmanship. Purchaser's warranty claims are excluded after the warranty period has lapsed. Replaced parts become Supplier's property unless Supplier expressly waives its right of title. Supplier must bear all the rectification costs incurred at its facility. If rectification is not possible at Supplier's facility, Purchaser must bear the associated costs to the extent that they exceed the normal transport and staff costs, travel and accommodation expenses, and the cost of installation and disassembly of the defective parts.
3. Damages that are not demonstrably due to material defects, design flaws or poor workmanship, e.g. normal wear, poor maintenance, failure to follow operating instructions, excessive stress, unsuitable operating equipment, chemical or electrolytic influences, construction or assembly work not performed by Supplier, and any other reasons beyond Supplier's control, are excluded from Supplier's warranty and liability.
4. Supplier only accepts liability for supplies from subcontractors designated by Purchaser within the framework of the warranty obligations of the relevant subcontractors.
5. Purchaser can claim no rights or entitlements for material, design or workmanship defects above and beyond those listed in 1. to 4. above.
6. Guaranteed properties must be expressly designated accordingly. The provisions governing material defects in Article VII 1. - 5. above apply accordingly.

Article VIII: Industrial property rights and copyrights; defects of title

1. Unless otherwise agreed, Supplier's obligation to execute the Deliveries free of third party industrial property rights and copyrights ("Property Rights") only applies in the country of the delivery location. If a third party raises justified claims against Purchaser on the grounds of infringement of Property Rights by Deliveries executed by Supplier and used in accordance with the contract, Supplier's liability to Purchaser within the period set out in Art. VII 1. above is as follows:

   a) At its own discretion and expense, Supplier can acquire the right of use for the relevant Deliveries, modify the Deliveries so that they no longer infringe the Property Rights, or replace them. If it is not possible for Supplier to reasonably do so, Purchaser is entitled to exercise its statutory rights of cancellation or price reduction.

   b) Supplier's obligation to pay damages is governed by Art. XII.

   c) The aforementioned obligations of Supplier are only applicable if Purchaser promptly notifies Supplier in writing of any claims filed by a third party, does not concede an infringement, and all defence measures and settlement negotiations remain reserved for Supplier. If Purchaser discontinues the use of the Deliveries on grounds of loss mitigation or for other good reason, it must notify the third party that the discontinuation of use does not constitute acknowledgement of an infringement of Property Rights.
2. Purchaser is not entitled to assert claims for any infringement of Property Rights for which Purchaser is responsible.
3. Nor is Purchaser entitled to assert claims if the infringement of Property Rights results from specifications made by the Purchaser, usage that Supplier could not have foreseen, or is caused by the Deliveries being modified by Purchaser or used in conjunction with products not provided by Supplier.
4. If Property Rights are infringed, the provisions of Art. VIII apply accordingly for Purchaser claims governed by 1 a) above.
5. In the event of other defects in title, the provisions of Art. VIII apply accordingly.
6. Any other claims or claims not provided for in this Art. IX asserted by Purchaser against Supplier and the latter's agents on grounds of defect of title are excluded.

Article IX: Conditional performance

1. Contract performance is conditional upon the absence of any hindrances under German, Swiss, US or any other applicable national, EU or international laws governing external trade, embargoes or any other sanctions.
2. Purchaser undertakes to provide all information and documentation necessary to enable export, shipment and import.

Article X: Impossibility of performance; contract amendments

1. If Deliveries prove to be impossible, Purchaser is entitled to claim damages unless Supplier is not responsible for the impossibility. However, Purchaser's entitlement to damages is limited to 10% of the value of the part of the Deliveries that cannot be put to its intended use due to the impossibility. This limitation does not apply in cases of unlawful intent or gross negligence on Supplier's part, but does apply to unlawful intent or gross negligence on the part of Supplier's agents.
2. The parties agree to amend the contract appropriately and in good faith if events as defined in Art. IV, 2 a) - c) above substantially alter the economic significance or content of the Deliveries, or considerably impact Supplier's business. If this is not economically viable, Supplier is entitled to withdraw from the contract. The same applies if the requisite export permits are not granted or cannot be used. If Supplier wishes to exercise its right of rescission, it must inform Purchaser immediately on learning the implications of the event concerned, even if an extension of the delivery period had initially been agreed with Purchaser.

Article XI: Returns of goods

1. The possibility of cancelling in full, or in part, the order is only given if case of agreement of the Supplier. In that case, we are entitled to invoice 30% of the order value in order to cover our costs. This applies only to standard products from our portfolio. In case of custom made products, we will invoice 100% of the order value.
2. Goods that have already been delivered may be returned – if at all – in a re-sellable condition and in their original packaging. Modified or custom products are not returnable.
3. In the event that we consent to the return, we will issue a return slip which must be included with the return. Standard and undamaged goods in original packaging will be credited at a maximum of 70% of the invoiced price. All reconditioning, freight and packaging costs must, moreover, be borne by the purchaser. Returns are always shipped at the risk of the customer returning the goods. No credit will be issued for goods returned without a written declaration of consent by RZB. Such goods may be disposed of at the sender's expense.

Article XII: Place of jurisdiction and applicable law

1. All disputes, differences in opinion or claims arising from or in connection with this contract, including the validity, invalidity, infringement or cancellation of the same, are subject to final settlement under the Rules of Arbitration of the International Chamber of Commerce (ICC). The Court of Arbitration must be composed of one or three arbitrators. If the Court is composed of three arbitrators, each party appoints one arbitrator, who must be confirmed by the ICC. These two arbitrators nominate the third arbitrator within thirty (30) days of their own appointment. If the two arbitrators are unable to agree on a third arbitrator within this period, the ICC will appoint the third arbitrator. The responsible Court of Arbitration is [Zurich] unless the parties agree on a different venue. Arbitration proceedings must be conducted in German.
2. This contract and its interpretation are subject to pertinent Swiss laws to the exclusion of the United Nations Convention on Contracts for the International Sale of Goods (CISG).

Article XIII: Contract validity

If individual provisions of this contract prove to be invalid, the remaining parts are nevertheless binding unless continuation of the contract would constitute undue hardship for one of the parties.



The application image shows:
GOLAS, HELEDON, LEDONA, LIGHTSTREAM
PASCALA, TWINDOT

© Linus Lintner



51 RZB SWITZERLAND

RZB Swiss Lighting AG

Bahnhofstrasse 13
5610 Wohlen

Phone +41 43 3888560
E-Mail: info@rzb.ch

52 RZB AUSTRIA

RZB Lighting Austria GmbH

Altmannsdorfer Straße 154-156
1230 Wien

Phone +43 3100737-0
E-Mail: office@rzb-lighting.at

53 RZB FRANCE

RZB Lighting France Sarl

1, Rue Blaise Pascal
67720 Hœrdt

Phone +33 3 88 93 41 62
E-Mail: info.france@rzb.eu

54 RZB ESPAÑA

RZB Lighting Spain

C/ Monasterio de las Huelgas, 23
Oficina 9
50014 Zaragoza

Phone +34 976 451130
E-Mail: info.espana@rzb.eu

50 RZB NETHERLANDS

RZB Lighting

Phone +31 85 2731260
E-Mail: nederland@rzb-leuchten.de

55 RZB BELGIUM

RZB Belgium

Phone +32 475 240913
E-Mail: belgie@rzb-leuchten.de

56 RZB LUXEMBOURG

RZB Luxembourg

Phone +33 3 69 61 33 91
E-Mail: luxembourg@rzb-leuchten.de

57 RZB ITALY

RZB Lighting Italy

Phone +39 439 81641
E-Mail: info.italy@rzb-leuchten.de

58 RZB NORDICS

RZB Lighting Nordics AB

Phone +46 735 457810
E-Mail: nordics@rzb-lighting.com

80 RZB DUBAI

RZB Lighting LLC

1201, Burlington tower, Business Bay
PO BOX 183591 Dubai
Dubai

Phone +971 50 6408668
E-Mail:
aravindh.prabhakar@rzb-lighting.com

90 RZB ASIA - PACIFIC

RZB Lighting Asia & Pacific Sdn. Bhd.

Block D1, Level 2, Setia Walk
Persiaran Wawasan, Pusat Bandar
Puchong,
47160 Puchong, Selangor Darul Ehsan
Malaysia

Phone +60 3 5879 1511/12
E-Mail: info.asia@rzb-lighting.com

RZB HEADQUARTERS

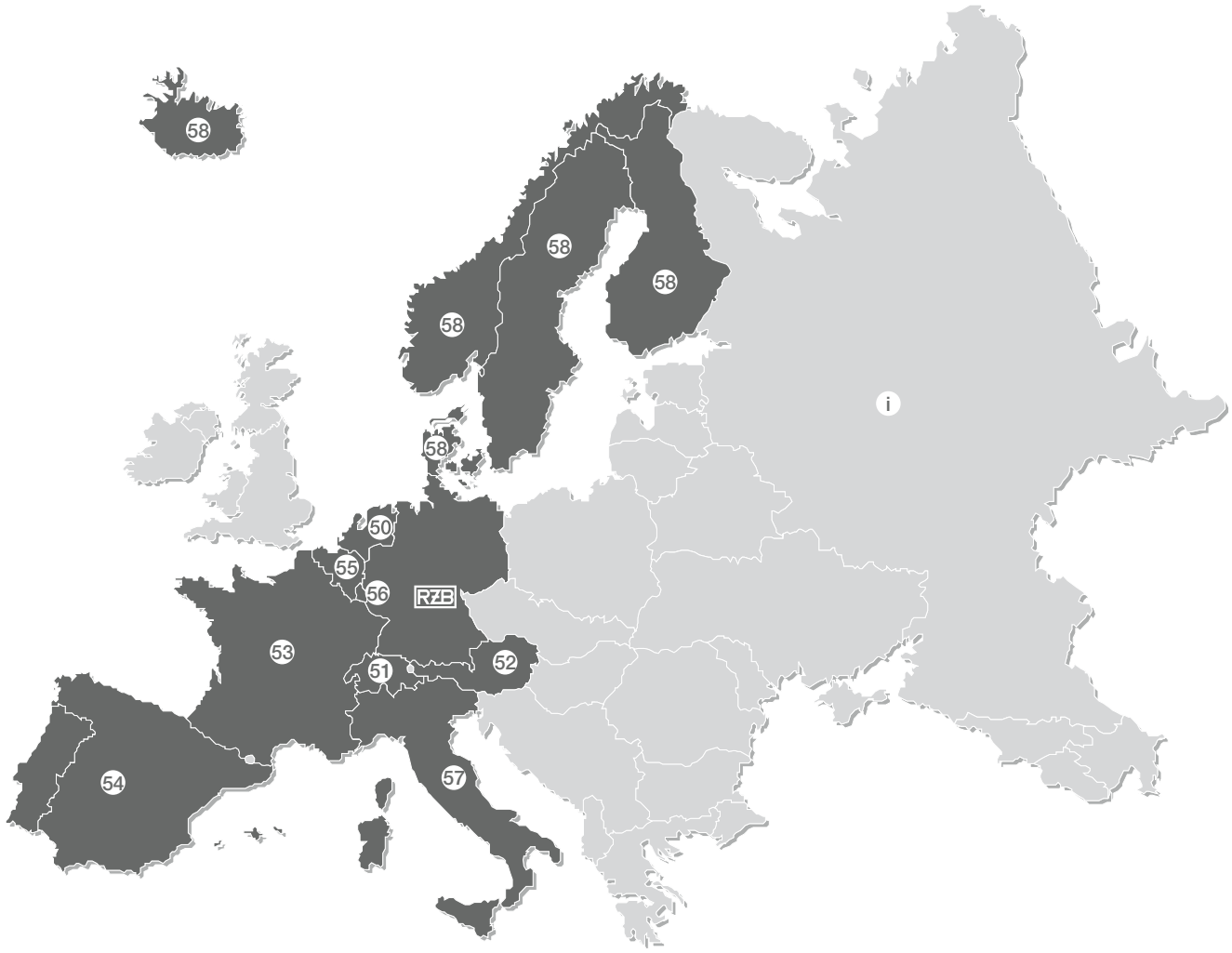
RZB Rudolf Zimmermann,
Bamberg GmbH

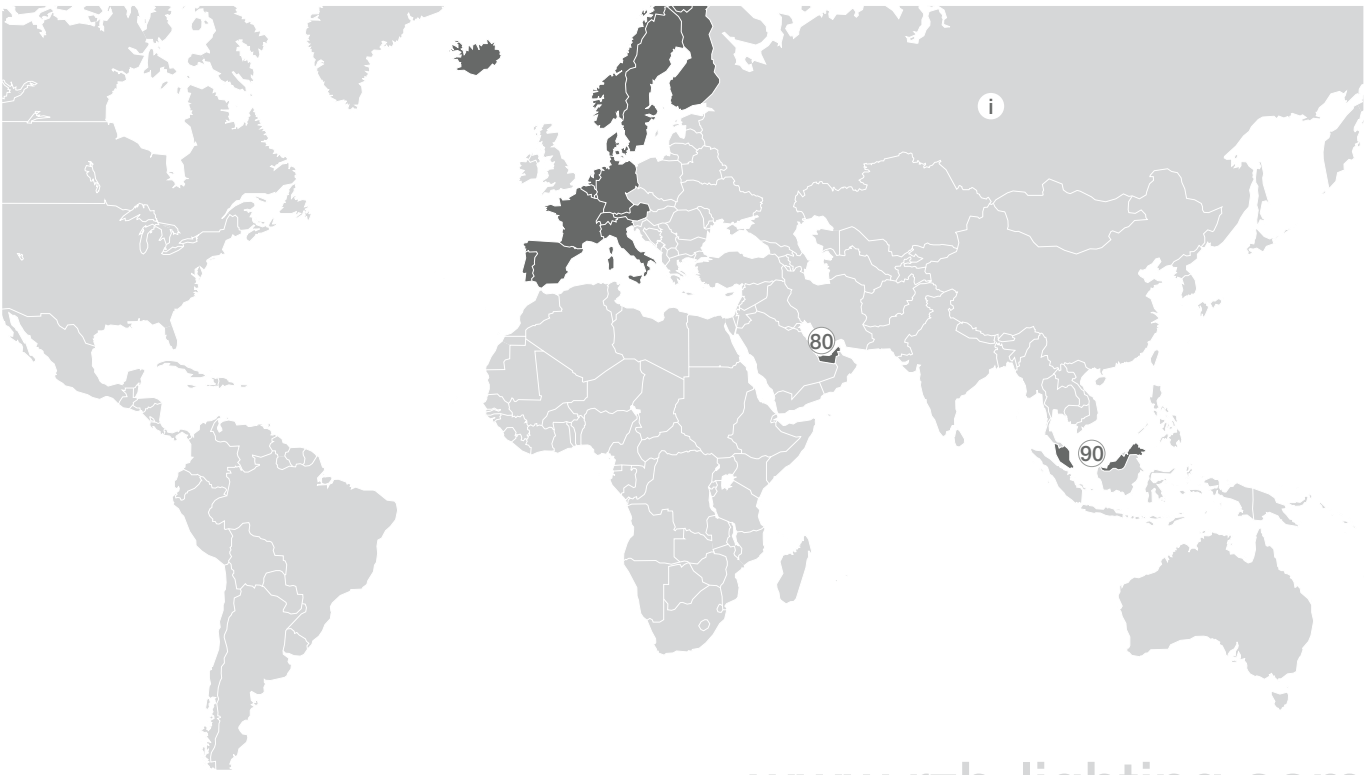
Rheinstr. 16,
96052 Bamberg, Germany

Phone +49 951 7909-374
E-Mail: export@rzb.eu

i

RZB customer contact and representations can be found worldwide.
Please contact our international sales department or www.rzb-lighting.com





www.rzb-lighting.com

KAT55EN

RZB
Rudolf Zimmermann,
Bamberg GmbH

Rheinstr. 16
96052 Bamberg
Germany

Phone +49 951 7909-374

www.rzb-lighting.com
export@rzb.eu

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