



LIGHT CASE 2

The all-rounder for halls



LIGHT CASE 2

Overview



The all-rounder for halls

LIGHT CASE 2

Robust. Durable. Sophisticated.



LIGHT CASE 2
1 module
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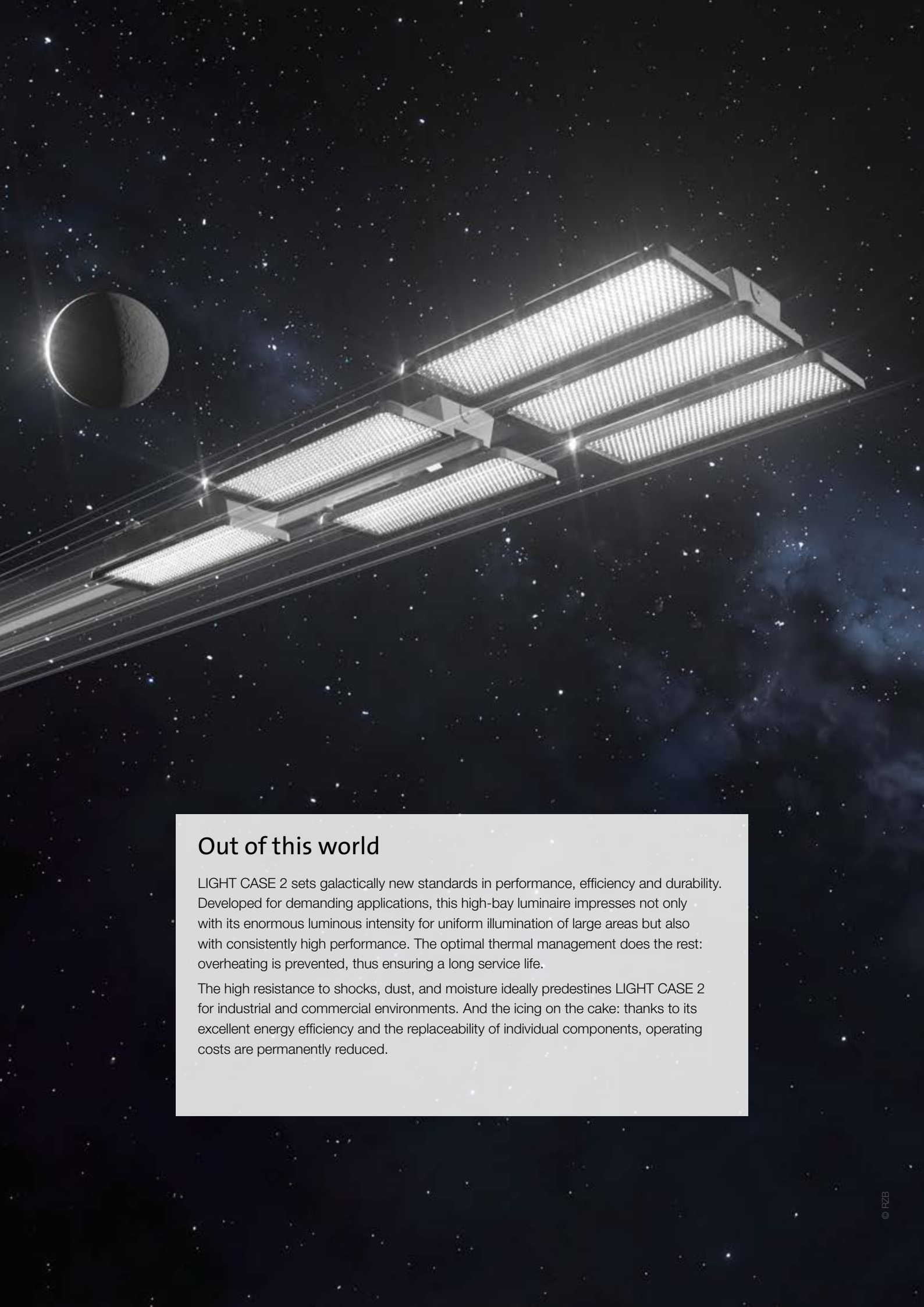
LIGHT CASE 2
2 modules
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3 modules
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LIGHT CASE 2
Emergency luminaires
Page 17



Out of this world

LIGHT CASE 2 sets galactically new standards in performance, efficiency and durability. Developed for demanding applications, this high-bay luminaire impresses not only with its enormous luminous intensity for uniform illumination of large areas but also with consistently high performance. The optimal thermal management does the rest: overheating is prevented, thus ensuring a long service life.

The high resistance to shocks, dust, and moisture ideally predestines LIGHT CASE 2 for industrial and commercial environments. And the icing on the cake: thanks to its excellent energy efficiency and the replaceability of individual components, operating costs are permanently reduced.

LIGHT CASE 2

The all-rounder for halls

Architecture

- ⊕ **Extensive:** 3 sizes, 3 light distributions and a wide range of mounting options.
- ⊕ **Advantageous:** Modern design with a smooth surface to minimise dust deposit and for easy and quick cleaning.
- ⊕ **Innovative:** Optimum thermal management thanks to thermally separated light and control gear unit.
- ⊕ **Optional:** With toughened safety glass for demanding environmental conditions.
- ⊕ **Ball impact proof:** In accordance with DIN 18032-03 (pendant mounting with chain suspension).
- ⊕ **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.
- ⊕ **Tested:** Luminaire with limited surface temperature in accordance with EN 60598-2-24.
- ⊕ **Perfect:** 7 years warranty.

Lighting design

- ⊕ **Versatile:** 3 beam angles (wide beam, deep-wide beam, high rack).
- ⊕ **Powerful:** High luminous flux up to 54000 lm.
- ⊕ **Long service life:** LED rated life 100000 h (L80/B50) at 25°C ambient temperature.
- ⊕ **Efficient:** Luminous efficiency up to 200 lm/W.
- ⊕ **Optional:** Light and movement sensor.
- ⊕ **Outstanding:** Operating range: -30°C to +70°C.
- ⊕ **Suitable:** Meets the requirements of IFS (International Featured Standards) for safety and quality in the food industry.

Installation

- ⊕ **Flexible:** Surface and pendant mounting, suitable for all common lighting point heights.
- ⊕ **Easy installation:** Easy and quick to install thanks to one-point suspension.
- ⊕ **Compatible:** Also available as an emergency luminaire in accordance with EN IEC 60598-2-22.
- ⊕ **Installation accessories:** Wire and chain pendant set, mounting bracket, trunking mounting on LINEDO continuous line luminaire system.



LIGHT(TECHNOLOGY)

LIGHT CASE 2



Innovative luminaire design

The smooth housing design prevents deposits and ensures constant heat dissipation.

Die-cast aluminum housing

Lowest weight with maximum stability.
Corrosion resistance: Ideal for demanding environments.



3 beam angles

wide beam, deep-wide beam, high rack

Future-proof

More devices per system: Enables larger solutions with up to 64 operating devices and 64 control devices per line.

Improved communication: Enables more efficient diagnostics and predictive maintenance. Errors are detected faster, and downtime is reduced.

Optionally available



Light and movement sensor

for installation heights of 5-16 m.



Single-pane toughened glass (ESG)

Additional cover for demanding ambient conditions such as flying sparks, chemical and oily atmospheres.



Emergency luminaire

Also available as an emergency luminaire in accordance with EN IEC 60598-2-22.



For all common mounting heights.

Operating range: -30°C to +70°C

High type of protection IP 66

IP66

High type of protection IP 66
No ingress of dust.
Protected against water jets from all directions.



Ball impact proof
in accordance with DIN 18032-03
(pendant mounting with chain suspension).



Luminaire 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.

Outstanding
Extreme operating range -30°C to +70°C.



LIGHT(VIEW)

LIGHT CASE 2

Precise and efficient up to 200 lm/W

High luminous flux up to 54,000 lm

Durable up to 100,000 hours

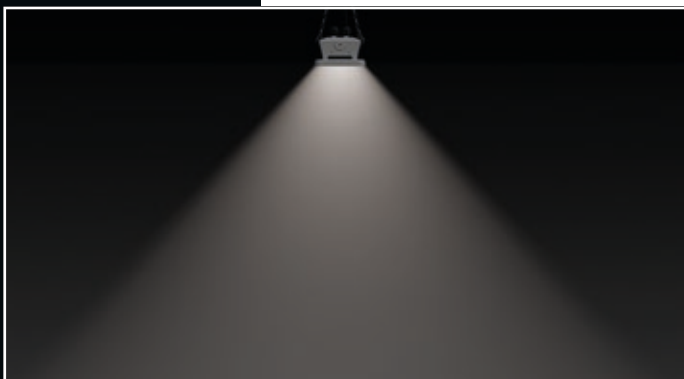


Optimal light: precise and efficient

LIGHT CASE 2 offers a wide range of applications thanks to three different sizes, a variety of light distributions and flexible mounting options. The polycarbonate lens optics ensures optimum light distribution. An impressive service life of up to 100,000 hours at an ambient temperature of 25°C ensures long-term, uninterrupted operation with minimal maintenance.

Imagine: Up to 24 years of reliable illumination – even with daily two-shift operation on 230 working days per year! Rely on quality and innovation – for a bright future!

- Luminous efficiency up to 200 lm/W
- Luminous flux up to 54000 lm
- Colour temperature 4000 K and 5000 K
- Colour rendering index Ra > 80
- LED rated life 100000 h (L80/B50) at 25°C ambient temperature
- Colour tolerance within 3-steps MacAdam (3 SDCM).



wide beam



deep-wide beam



high rack

LIGHT(SAFETY)

LIGHT CASE 2

Robust & lightweight

Optimal heat dissipation

ESG cover for demanding environments

The perfect high-bay luminaire for professionals

The LIGHT CASE 2 stands out with its reliability and innovative features, making it ideal for demanding environments.

Optimum thermal management is ensured by the separate light and control gear unit, while the smooth housing prevents deposits and ensures constant heat dissipation.

The optional toughened safety glass pane is required for use in chemical, oily environments or in the event of flying sparks.

The tested ball impact resistance of the pendant design and the robust construction ensure durable and safe lighting for any activity in the sports hall.



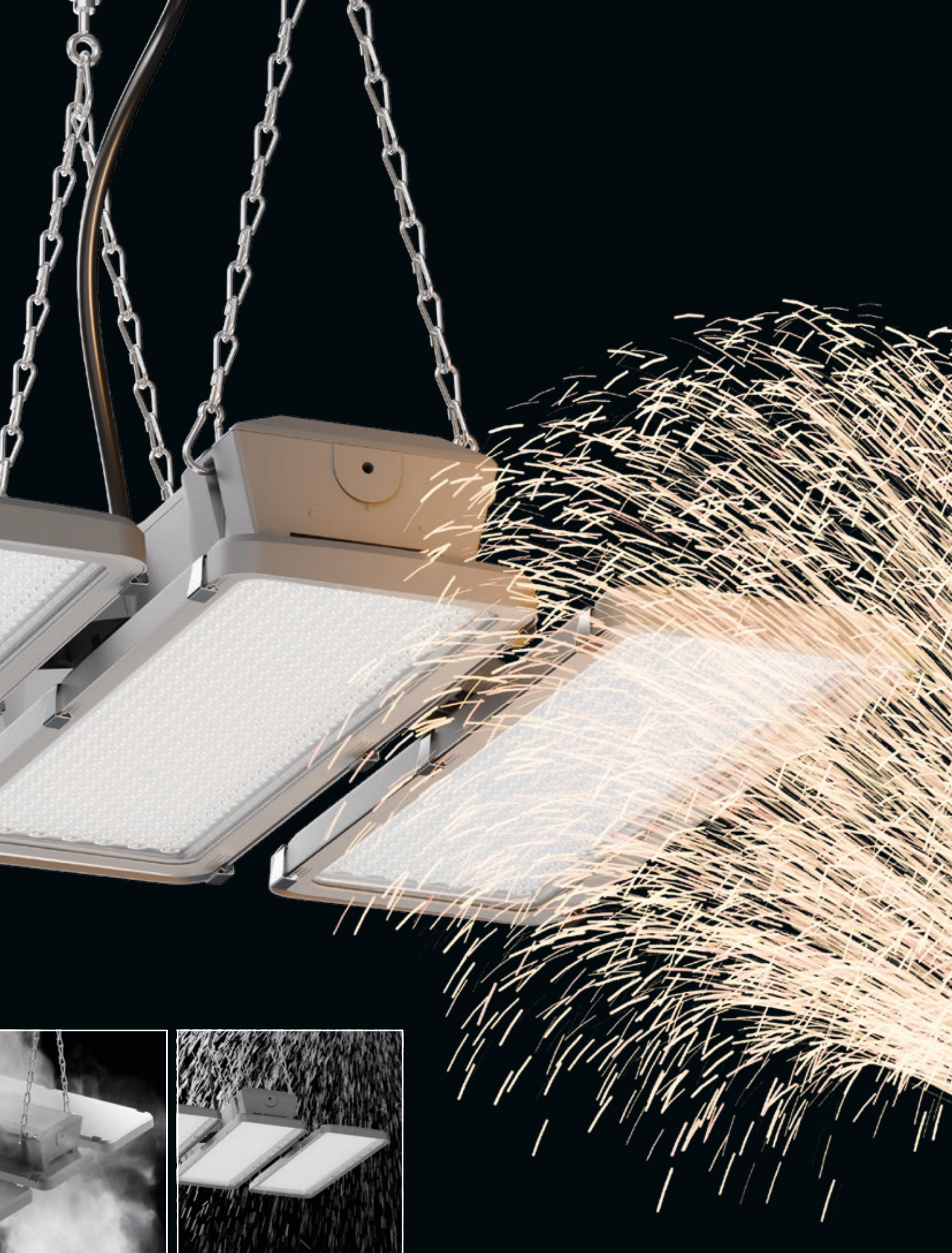
Optimal thermal management thanks to separate light and control gear unit



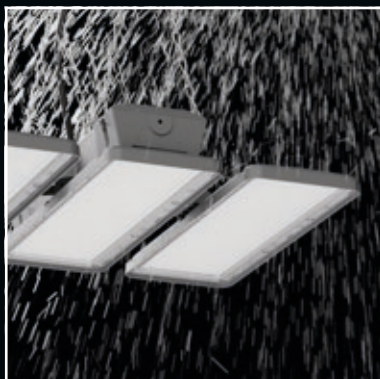
Smooth housing design prevents deposits



Ball impact proof



No ingress of dust



Protected against water jets
from all directions



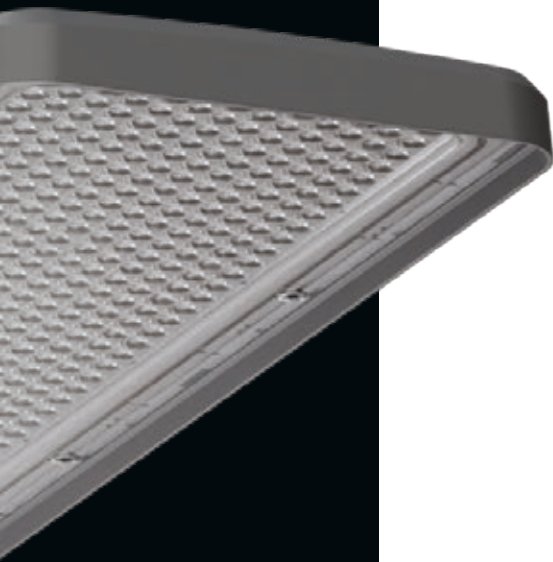
LIGHT(INTELLIGENCE)

LIGHT CASE 2

DALI-2 technology

Retrofittable components

Reduce CO₂ emissions



We make it fit!

Thanks to DALI-2 technology, innovative and efficient lighting control is possible at any time. In addition, sensors can be retrofitted quickly and easily. This not only reduces energy costs and CO₂ emissions, but also supports compliance with legal requirements such as the Building Energy Act (GEG) and the Energy Performance of Buildings Directive (EPDB).

Need even more features? No problem! On request, we can expand your system with Constant Lumen Output (CLO) control for consistent light quality, as well as a corridor function for intelligent adaptation to movement patterns.

The LIGHT CASE 2 can also be effortlessly supplemented with emergency lighting to ensure maximum safety and orientation in critical situations.



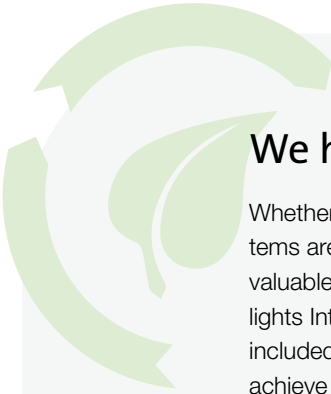




LIGHT(ECOLOGY)

Efficient refurbishment for a sustainable future

A rational and careful use of resources is a task and a challenge for every company. As one of the leading lighting manufacturers, we take this responsibility seriously. It's not only the environment and climate, that profits, but also you.



We have what you are looking for!

Whether energy optimisation of existing buildings or new buildings: our lighting systems are smart, digital and efficient. Replaceable and recyclable components protect valuable resources and extend the life of the lighting system. Due to already into the lights Integrated control modules or the use of professional light management systems included daylight control, presence detection or preset light scenes, it can be used to achieve additional savings potential.

Energy saving potential

Dimming depending on daylight and movement (with light management)



Dimming depending on movement



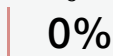
Dimming



On/Off (1:1 exchange)



Existing installation



Quality meets responsibility

Thanks to the use of high-quality materials and replaceable components, our luminaires have a significantly longer service life than conventional products. This not only saves costs, but also reduces resource consumption and environmental impact.

The ability to replace individual components instead of the entire luminaire results in less waste and optimises the use of existing resources.

ONE PRODUCT

many lighting solutions

SUSTAINABLE

replaceable and recyclable components

PACKAGING

ecologically optimised: No plastic and less waste



LIGHT CASE 2

Product overview



Highbay luminaires | LIGHT CASE 2

Type of protection: IP 66
 Protection class: I
 Impact resistance: IK08
 Operating range: -30°C to +55°C

Housing: die-cast aluminium, powder-coated. Cover: plastic (polycarbonate, shockproof), with integrated lens system. Lens optics for different light distribution versions. Optimum thermal management thanks to thermally separated light and control gear unit. The smooth housing design prevents deposits and thus ensures constant heat dissipation. Cable screw fittings for convenient wiring.

Luminaire 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.

Ball impact proof in accordance with DIN 18032-03 (pendant mounting with chain suspension).

Meets the requirements of IFS (International Featured Standards) for safety and quality in the food industry.

A connecting cable and mounting accessories must always be ordered separately for the luminaire.

Available colour: 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [lm/W]	[°]	RUG	Lighting Control	Price Category
Highbay luminaire with 1 module									
Wide beam light distribution									
921745.004.1.76 */**	L 534, B 193, H 115	840	9400	49	192	91	21,2	DALI	21
921735.004.1.76 **	L 534, B 193, H 115	840	18000	97	186	91	23,5	DALI	21
921735.004.2.76 **	L 534, B 193, H 115	850	17600	97	181	91	23,4	DALI	21
Deep-wide beam light distribution									
921734.004.1.76 **	L 534, B 193, H 115	840	18000	97	186	63	22,1	DALI	21
921734.004.2.76 **	L 534, B 193, H 115	850	17600	97	181	63	22	DALI	21
High rack light distribution									
921732.004.1.76 **	L 534, B 193, H 115	840	18000	97	186	28/66	22,3	DALI	21
921732.004.2.76 **	L 534, B 193, H 115	850	17600	97	181	28/66	22,2	DALI	21

* Operating range: -30°C to +70°C.
 ** Also usable as standard on/off.



Highbay luminaires | LIGHT CASE 2

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 Protection class: I
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 Operating range: -30°C to +55°C

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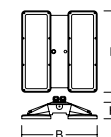
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Available colour: 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [lm/W]	[°]	RUG	Lighting Control	Price Category
Highbay luminaires with 2 modules									
Wide beam light distribution									
921746.004.1.76 */**	L 534, B 496, H 115	840	18500	95	195	91	21,1	DALI	21
921728.004.1.76 **	L 534, B 496, H 115	840	36000	189	190	91	23,5	DALI	21
921728.004.2.76 **	L 534, B 496, H 115	850	35200	189	186	91	23,4	DALI	21
Deep-wide beam light distribution									
921727.004.1.76 **	L 534, B 496, H 115	840	36000	189	190	63	22,1	DALI	21
921727.004.2.76 **	L 534, B 496, H 115	850	35200	189	186	63	22	DALI	21
High rack light distribution									
921721.004.1.76 **	L 534, B 496, H 115	840	36000	189	190	28/66	22,3	DALI	21
921721.004.2.76 **	L 534, B 496, H 115	850	35200	189	186	28/66	22,2	DALI	21

* Operating range: -30°C to +70°C.
 ** Also usable as standard on/off.

Highbay luminaires | LIGHT CASE 2

Type of protection: IP 66
 Protection class: I
 Impact resistance: IK08
 Operating range: -30°C to +55°C

Housing: die-cast aluminium, powder-coated. Cover: plastic (polycarbonate, shockproof), with integrated lens system. Lens optics for different light distribution versions. Optimum thermal management thanks to thermally separated light and control gear unit. The smooth housing design prevents deposits and thus ensures constant heat dissipation. Cable screw fittings for convenient wiring.

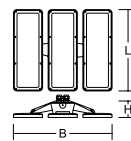
Luminaire with limited surface temperature in accordance with EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Ball impact proof in accordance with DIN 18032-03 (pendant mounting with chain suspension).

Meets the requirements of IFS (International Featured Standards) for safety and quality in the food industry.

A connecting cable and mounting accessories must always be ordered separately for the luminaire.

Available colour: 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [lm/W]	Beam angle [°]	RUG	Lighting Control	Price Category
Highbay luminaires with 3 modules									
Wide beam light distribution									
921747.004.1.76 */**	L 534, B 649, H 115	840	28400	142	200	91	21,2	DALI	21
921731.004.1.76 **	L 534, B 649, H 115	840	54000	284	190	91	23,5	DALI	21
921731.004.2.76 **	L 534, B 649, H 115	850	52800	284	186	91	23,4	DALI	21
Deep-wide beam light distribution									
921730.004.1.76 **	L 534, B 649, H 115	840	54000	284	190	63	22,1	DALI	21
921730.004.2.76 **	L 534, B 649, H 115	850	52800	284	186	63	22	DALI	21
High rack light distribution									
921722.004.1.76 **	L 534, B 649, H 115	840	54000	284	190	28/66	22,3	DALI	21
921722.004.2.76 **	L 534, B 649, H 115	850	52800	284	186	28/66	22,2	DALI	21

* Operating range: -30°C to +70°C.
 ** Also usable as standard on/off.

Emergency luminaires

Highbay luminaires | LIGHT CASE 2

Type of protection: IP 66
 Protection class: I
 Impact resistance: IK08
 Operating range: 0°C to +45°C

Housing: die-cast aluminium, powder-coated. Cover: plastic (polycarbonate, shockproof), with integrated lens system. Lens optics for different light distribution versions. Optimum thermal management thanks to thermally separated light and control gear unit. The smooth housing design prevents deposits and thus ensures constant heat dissipation. Cable screw fittings for convenient wiring.

Luminaire 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.

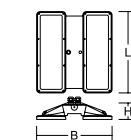
Ball impact proof in accordance with DIN 18032-03 (pendant mounting with chain suspension).

Meets the requirements of IFS (International Featured Standards) for safety and quality in the food industry.

A connecting cable and mounting accessories must always be ordered separately for the luminaire.

Luminaires for central battery system

Voltage type: AC/DC
 Available colour: 4 = silver



Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Monitoring	Price Category
Luminaires for central battery system								
Wide beam light distribution								
672957.004.1	L 534, B 495, H 115	840	36000	189	5400	30	Power circuit	24
672957.004.1.87	L 534, B 495, H 115	840	36000	190	5400	31	AC-Control	24
672957.004.2	L 534, B 495, H 115	850	35200	189	5300	30	Power circuit	24
672957.004.2.87	L 534, B 495, H 115	850	35200	190	5300	31	AC-Control	24

Other variants are available upon request.



Accessories
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LIGHT CASE 2

Installation options

Flexible renovation

1:1 replacement

Single-point suspension

**Ideal for renovations:
1:1 replacement thanks to
single-point suspension.**

Complicated retrofitting? No thanks! The optional single-point suspension for wire or chain pendants makes the refurbishment of your lighting child's play. Use existing suspension points for a quick 1:1 replacement of old luminaires – without complex ceiling work. This allows you to benefit from state-of-the-art lighting technology and save valuable installation time in no time at all.

Replacement for:

LED 49 W \approx 1 x 100 W HIT (106 W Psys)

LED 95/97 W \approx 1 x 250 W HIE (275 W Psys)

LED 142/189 W \approx 1 x 400 W HIE (440 W Psys)

LED 284 W \approx 1 x 1000 W HIT (1065 W Psys)





More light, more flexibility.

Expand the possibilities of your hall lighting! LIGHT CASE 2 can be quickly integrated into our proven LINEDO continuous lighting system. Benefit from maximum flexibility in lighting design and efficient installation – for future-proof and high-performance industrial lighting.

Would you like to learn more about our LINEDO continuous lighting system?



LIGHT CASE 2

Product overview

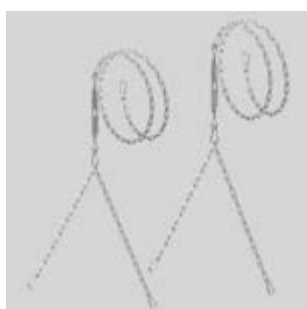


Accessories | LIGHT CASE 2 - Connecting cable

Flexible PVC mains cable 5 x 1.5 mm² black.
Cores black with white digits for identification.
Isolated ferrules.

Available colour: 9 = black

Reference number	Dimensions [mm]	Price Category
Connecting cable		
983316.009	L 1500, D 8	11
983317.009	L 3000, D 8	11



Accessories | LIGHT CASE 2 - Chain suspension set

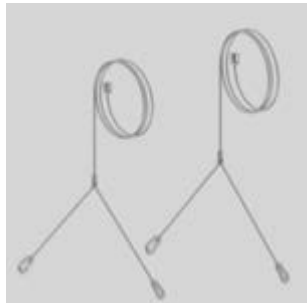
Suspension length LP: 1850 mm

Chain suspension set for torsion- and vibration-free horizontal mounting.
Consisting of 2 knotted chains with turnbuckle lock and snap hook.

Available colour: 0 = blank



Reference number	Dimensions [mm]	Price Category
Pendant mounting - Chain suspension set		
982642.030	LP 1850 mm	21

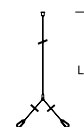


Accessories | LIGHT CASE 2 - Suspension cable set

Suspension length LP: 1750 mm

Suspension cable set for torsion- and vibration-free horizontal mounting.
Consisting of 2 Y-type steel cables and snap hook for a 2-point suspension.

Available colour: 0 = blank



Reference number	Dimensions [mm]	Price Category
Pendant mounting - Suspension cable set		
982642.020	LP 1750 mm	21



Accessories | LIGHT CASE 2 - Pendant mount for single-point suspension

For attaching chain or rope suspension sets to a pendant point.

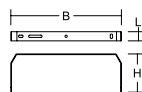
Available colour: 2 = white

Reference number	Dimensions [mm]	Price Category
Mounting accessories for pendant set		
982689.002	L 70, B 30, H 19	Ceiling mounting element for single-point suspension
		21

Accessories | LIGHT CASE 2 - Mounting bracket

Mounting bracket: metal, powder-coated. Elongated holes for precise mounting.

Available colour: 4 = silver



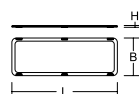
Reference number	Dimensions [mm]	Price Category
Mounting bracket		
983243.004	L 40, B 485, H 167	21



Accessories | LIGHT CASE 2 - Toughened glass cover.

Clear single-pane toughened glass with seal and 6 stainless steel brackets. Additional cover for demanding ambient conditions such as flying sparks, chemical and oily atmospheres.

Available colour: 0 = transparent



Reference number	Dimensions [mm]	Price Category
Toughened glass cover		
983244.000	L 532, B 190, H 8	21

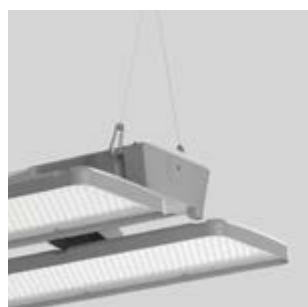


Accessories | LIGHT CASE 2 - Light and presence sensor

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 30x19 m. Externally adjustable telescopic light sensor for application-based light measurement. Configuration via DALI control unit. The power is supplied from the DALI line. Housing of non-flammable, halogen-free plastic (polycarbonate). Mounting bracket and connection cable with open wire ends included in the scope of delivery.

- Power supply: DALI bus/DALI bus
- Power consumption: 7 mA.
- Detection angle axially symmetrical 360° oval.
- Detection area 30x19 m radial, depending on the mounting height.
- Brightness threshold: 1-4000 lx.
- Operating range: -25°C to +50°C.

Reference number	Dimensions [mm]	Price Category
Light and presence sensor for installation heights of 5-16 m		
982813.014	L 124, D 136, H 94	21



LIGHT MANAGEMENT SYSTEMS

Overview



The unbeatable price / performance winner

for smaller installations

light control +³ Economy Multi DALI

The system combines simple commissioning via smart-phone, 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.



The wireless Bluetooth® light management system

for maximum functions and configuration options.

Casambi smart+free

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, the system can be configured according to individual needs. The integration here is very intuitive and can be completed by users without prior knowledge within a few minutes.






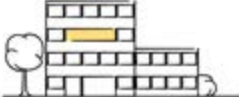




The future

of automated light control:
RZB's IoT system.

light control +³ Professional IoT

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.

We would be happy to advise you*

	 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			
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) <small>(Number of luminaires depends on the number of EB in the luminaire)</small>	32	up to 64 depending on the module	128
Number of sensors/push-button coupler <small>(presence, motion)</small>	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)

***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 sales persons in charge or contact our planning department via e-mail at lms@rzb-leuchten.de or by phone at +49 951 / 79 09-396.



LIGHT CASE 2

Discover the possibilities...

Further luminaires, matching this series:



INDUSTRIAL HALL



HB 720



LINEDO



LINEDO 50

Further refurbishment solutions:



PLANOX



PLANOX ECO



POWERCASE



Refurbishment tool

Highest product and consulting quality

Reliability

We are your reliable partner. From the first idea to the implementation and far beyond, we accompany your project. Personal, passionate and individual. Thanks to our excellent expertise, top product quality and services such as light planning, economic efficiency analysis and commissioning, we meet the high demands of all parties involved in the planning process.

- availability of BIM files
- easy and quick installation
- high quality and long warranty

Warranty

The creation of high quality lighting solutions is our passion. Our products are developed and manufactured with the utmost care. In addition to SMART TECHNOLOGY and EXCELLENT DESIGN, we are dedicated to manufacture luminaires of highest quality throughout the entire value chain through to After Sales Service. Because of this, we confidently grant you a 5 years warranty on LED luminaires with effect of the date of invoice without prior registration of your project.

We offer a warranty of up to 7 years on luminaires of the LIGHT CASE 2 series.

Warranty terms to be found under www.rzb.de/en/service/warranty

RZB - For a tangible added value.



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