

EMERGENCY LIGHTING

valid from May 2024

Immerse yourself in a world of innovation.

Groundbreaking technologies, sophisticated designs - we offer you a diverse selection of products that meet your needs and wishes. Be inspired and discover how our new products can make your everyday (working) life easier. We invite you to take a look at our current highlights and convince yourself of their quality and versatility.

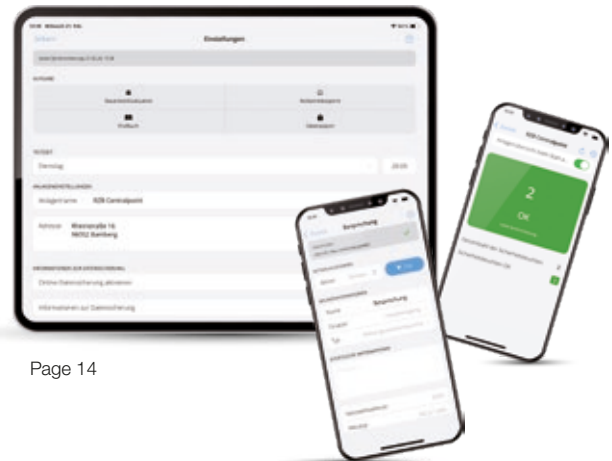
MULTIDIGIT air

Scalable wireless monitoring system for self-contained emergency luminaires

Commissioning and monitoring via app

Bluetooth® mesh networking of luminaires

No bus cabling necessary



Page 14

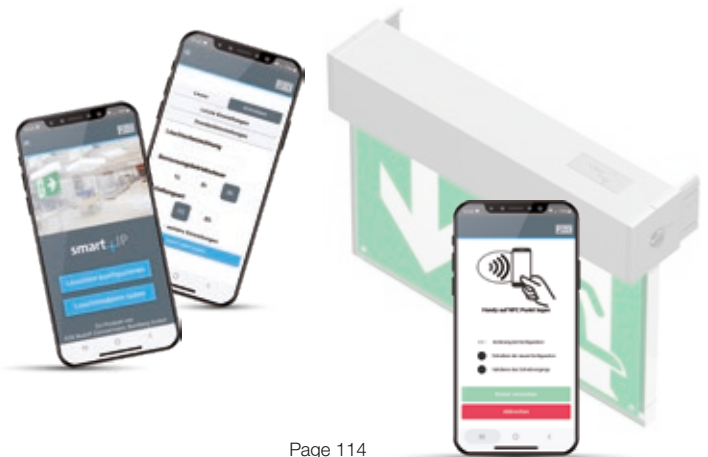
SMART+IP

Convenient NFC parameterisation of self-contained emergency luminaires

Basic settings can be customised via app

Adjustable brightness in mains operation

Configurable switching input



Page 114

BATTERY PACK

Safe operation of self-contained emergency luminaires down to -20°C in outdoor areas

Safe operation down to -20°C

No battery heating required

Suitable for self-contained emergency luminaires in outdoor areas



Page 286

CONTENT	1
RZB SERVICE⁺	8
Commissioning	9
Maintenance	9
Maintenance agreement	9
SELF-CONTAINED MONITORING SYSTEMS	11
SELF-CONTAINED SUPPLY SYSTEMS	35
CENTRAL AND GROUP BATTERY SYSTEMS	43
Low Power Supply (LPS)	43
Central Power Supply (CPS)	53
Modules and components	93
LUMINAIRES FOR ESCAPE ROUTE IDENTIFICATION	111
LUMINAIRES FOR ESCAPE ROUTE ILLUMINATION	171
Stand-by luminaires	171
Combined luminaires	205
APPENDIX	305
Service	306
Icons	308
Chemical resistance	309
Alphabetical index	310
Reference number index	312
Terms and conditions of sale and delivery	320
Customer contact	324

Our catalogue emergency lighting 2024/2025 gives an overview of the RZB luminaire and technical program portfolio and is a 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 effect changes in our products at any time without notice.

Our standard terms and conditions of sale and delivery can be found in the appendix.

Self-contained monitoring systems



MULTIDIGIT air 14	MULTIDIGIT touch 18	MULTIDIGIT touch DALI 22	MULTIDIGIT 26	MULTIDIGIT plus 30
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Self-contained power supply systems



PGVG 200 38	POWERBOX 15 40
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Low Power Supply (LPS) | RZB LUXIFAIR



QUATTRO 46	QUATTRO industry 46	QUATTRO light 46	QUATTRO E30 46
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Central Power Supply (CPS) | RZB LUXIFAIR



KV 2000 60	KV 2000/E30 60	COMPACT KOMBI I 66	COMPACT KOMBI II 66	COMPACT KOMBI II/E30 66	COMPACT KOMBI III 66	COMPACT I 74	COMPACT II 74
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Accessories for group and central battery systems



Subdistribution board 80	Battery cabinets 84	Batteries 88	Test log 91	Modules and components 93
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Luminaires for escape route identification

LINEDO SLA 6	TENUO 116	HALYXX 122	GSUN S 126	GSUN D 128	GSUN 5 S 130	GSUN 5 D 130	EXEO S 134	EXEO D 134
CENTRYXX D 136	CENTRYXX DRZ 138	PLANADO 140	MINISIGN 142	VARIOPLAST I 144	GSUN 2 146	GSUN 3 148	GSUN 4 152	
RECHTECK 156	SIGNCUBE 162	SIGNCUBE IP54 166						

Stand-by luminaires for escape route illumination

LINEDO SLA 6	LINEDO SLC 6	VARIOPLAST I 172	GSUN 5 174	CENTRYXX IP 65 176	CENTRYXX IP 40 180	CENTRYXX W IP65 182	CENTRYXX W IP65 PLUS 184	LUCIO 2 186
LUCIO 2 186	TURIA L 190	TURIA L track 192	SOLYXX 2 194	DEECOS E 196	EXEO X 198	Portable spotlight 200	POWERBOX FLOOD 202	

Combined luminaires for escape route illumination

LINEDO SLB 6	LINEDO SLB 6	PARLEDO 208	SIDELITE ECO 212	KALEEA 222	FLAT SLIM round 226	FLAT SLIM step 229	FLAT POLYMERO KREIS 230	
FLAT POLYMERO 236	PLANADO 244	TOLEDO FLAT+ 248	TOLEDO FLAT+ 254	TOLEDO FLAT 260	TOLEDO FLAT 260	TOLEDO FLAT 260		
TOLEDO FLAT 268	TRIXY 274	PLANOX PRO 278	PLANOX ECO 280	PLANOX 282	CADERO 288	CADERO 288		
ROUNDED 290	ROUNDED 290	ROUNDED maxi 294	ROUNDED maxi 294	MEGA CONE 296	MEGA TOWER 298	MEGA TUBE 299	LIGHTSTREAM 300	



LIGHT IS EVERYTHING. EVERYTHING OUT OF ONE HAND.

For more than 85 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 BAYERN'S 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!





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:

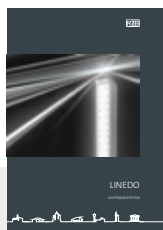
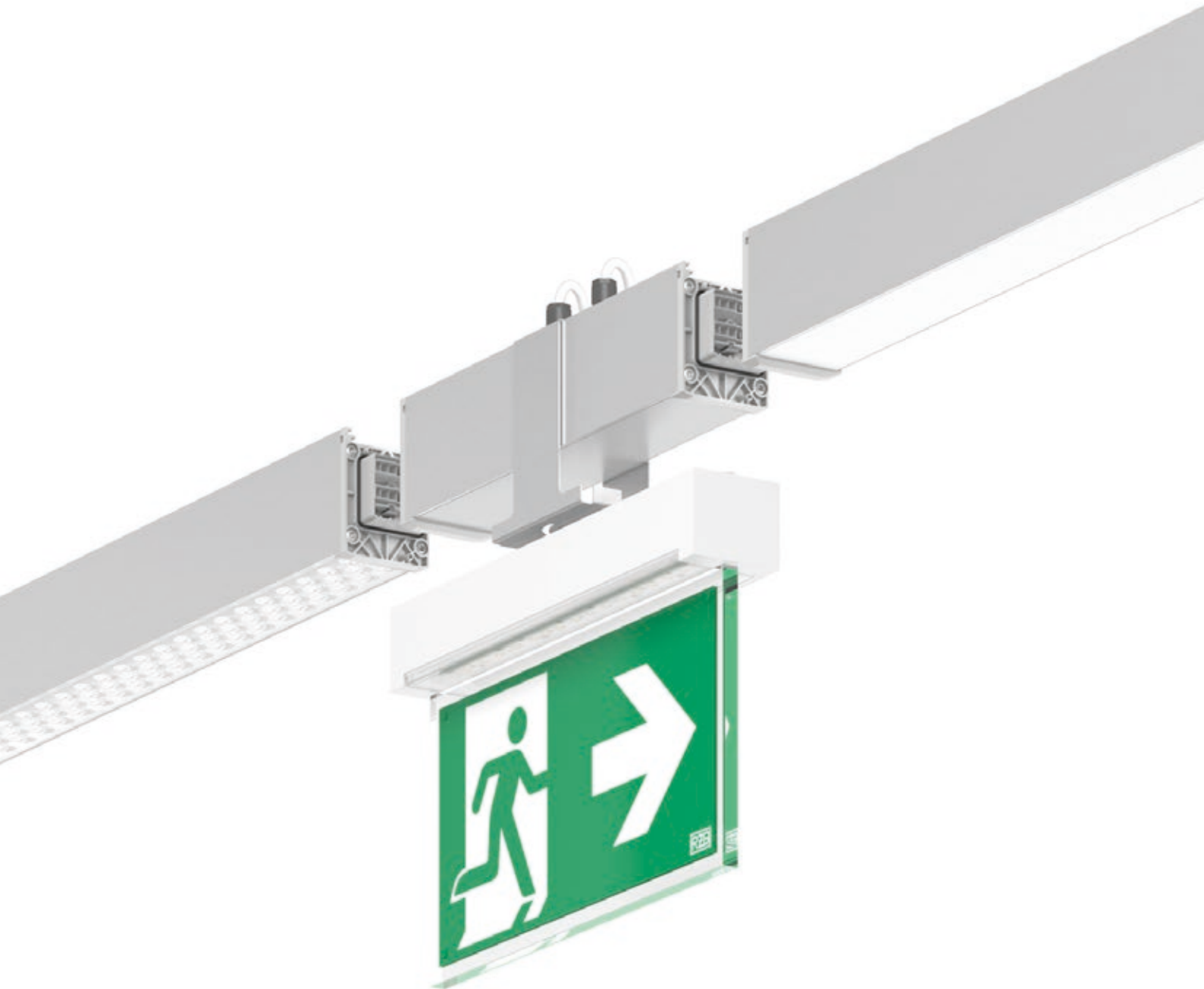
For us, quality means making no compromises: From product development to production controls and long-term tests in our laboratories, to logistics and after-sales service, every process step is strictly controlled, continuously optimised and, if circumstances require, redefined. With DIN ISO 9001 certification, 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**
In the annual ranking, RZB qualifies in all areas - in particular especially in the field of environment:
 - ⊕ 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.

LINEDO

Technically a continuous line luminaire. Actually a revolution!

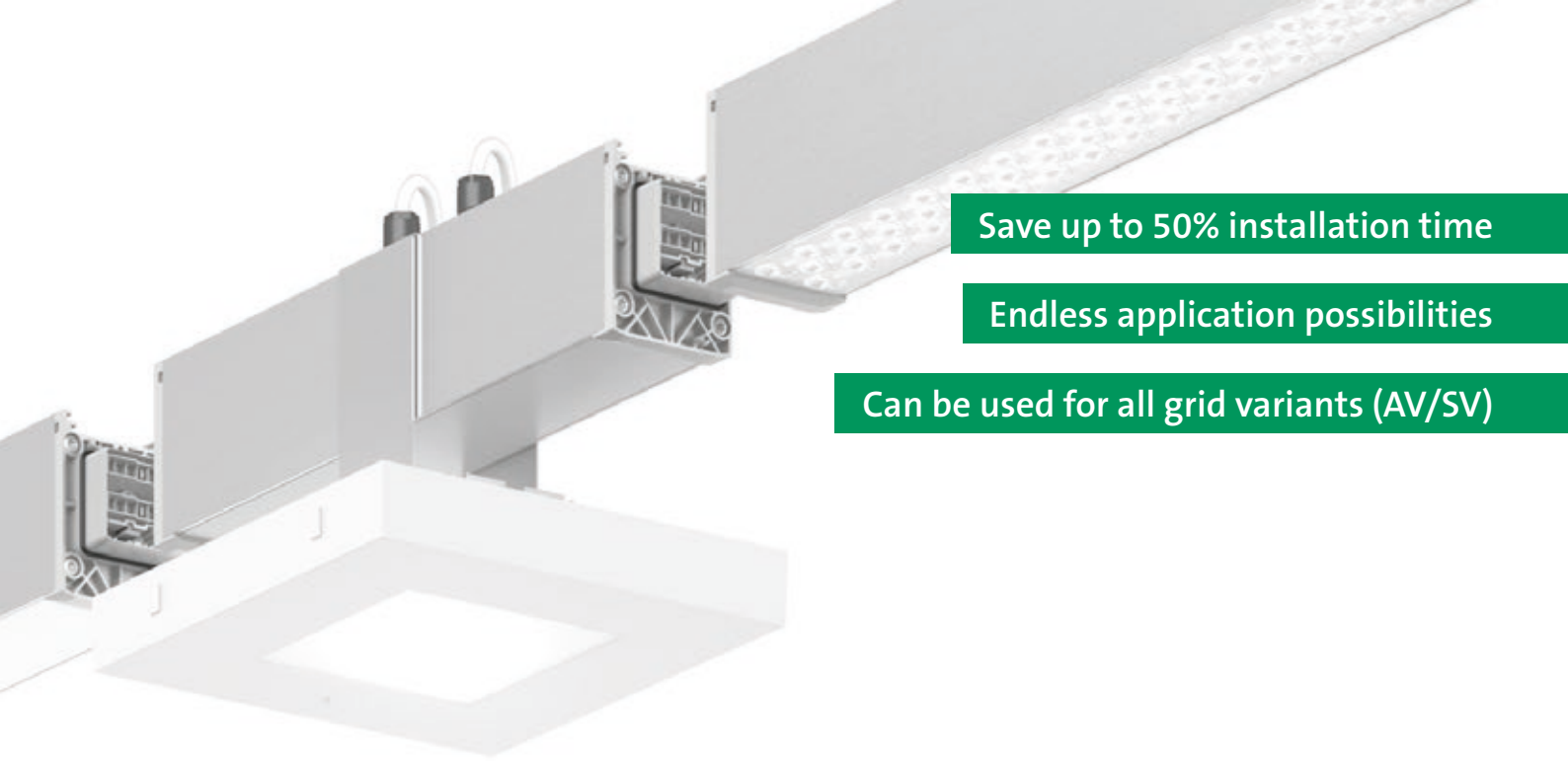


Brochure
download now!



Non-stop versatility: Discover LINEDO now - THE continuous line lighting system.

Everything you need/should know about this outstanding product can be found in our detailed brochure. Download it now and immerse yourself in the fascinating world of LINEDO, where quality and innovation form a perfect symbiosis.



Save up to 50% installation time

Endless application possibilities

Can be used for all grid variants (AV/SV)

I TAKE CARE OF YOUR SAFETY!

Continuous line luminaires are practically predestined for easy integration of escape route lighting and EXIT signs – firstly because of their proximity to the traffic routes and secondly because continuous line luminaires are perfectly conceived to carry the necessary control cables.

We are happy to supply you with perfectly suited central or group battery systems.

It's not always possible to plan a functional module in the exact spot where it's needed. The LINEDO module with moveable emergency luminaires allows you to slide them up to 2.5 metres along the profile.





RZB SERVICE⁺

for RZB central battery and group battery systems

An emergency lighting system must ensure that lighting is provided immediately and automatically in the event of a general power failure.

Central and group battery systems are subject to maintenance and testing requirements in accordance with European and international standards and regulations.

Initial verification in accordance with EN 60364-6-61. Annual maintenance in accordance with EN 50171 Central safety power supply systems Draft 2013-07. (Annual) inspection for sufficient battery capacity in accordance with EN 50272-2. Battery inspection in accordance with EN IEC 62485-2 Safety requirements for secondary batteries and battery installations (supercedes EN 50272-2).

RZB offers:

- ⊕ Commissioning
- ⊕ Maintenance
- ⊕ Maintenance agreement
- ⊕ Repair service
- ⊕ Spare parts service

All-inclusive service

From qualified advice and planning to delivery of your RZB central battery and group battery system, right through to commissioning and annual maintenance by our factory customer service team or an RZB certified partner.

Personalised quote

Please request your personalised quote from:

Email: kundendienst@rzb-leuchten.de

Phone: +49 951 7909-689 or use

our service form at www.rzb-lighting.com



COMMISSIONING

of RZB central and group battery systems; work carried out by factory customer service team/RZB certified partners

(Paid) commissioning of your RZB central battery/group battery system.

- Requirements:**
- ⊕ Mounting and installation work completed
- Benefits:**
- ⊕ Check of mechanical system components plus charging voltage, charging current and batterie
 - ⊕ System function check
 - ⊕ System programming based on the plans/tables you providen
 - ⊕ Local emergency operation check
 - ⊕ Ambient temperature check
 - ⊕ If required - up to 2 hours' technical support included in the event of installation errors
 - ⊕ System briefing
 - ⊕ Commissioning record provided
 - ⊕ Work carried out by factory customer service team/RZB certified partners

MAINTENANCE

for RZB central and group battery systems; work carried out by factory customer service team/RZB certified partners

Annual maintenance (paid) for your RZB central battery and group battery system.

- Requirements:**
- ⊕ Commissioning completed
- Benefits:**
- ⊕ Check of mechanical system components, charging voltages and charging currents, connected mains monitors and deep discharge protectios
 - ⊕ Inspection of switch unit
 - ⊕ Checking the system for sufficient battery capacity, charge test, discharge test, battery temperature, float charging current, battery-block voltage during discharge
 - ⊕ Maintenance log provided
 - ⊕ Work carried out by factory customer service team/RZB certified partners

MAINTENANCE AGREEMENT

for RZB central and group battery systems; work carried out by factory customer service team/RZB certified partners

Annual maintenance in the form of a (paid) maintenance agreement for your RZB central battery and group battery system.

- Requirements:**
- ⊕ Commissioning completed
- Benefits:**
- ⊕ Check of mechanical system components, charging voltages and charging currents, connected mains monitors and deep discharge protectios
 - ⊕ Inspection of switch unit
 - ⊕ Checking the system for sufficient battery capacity, charge test, discharge test, battery temperature, float charging current, battery-block voltage during discharge
 - ⊕ 20% discount on spare parts**
 - ⊕ Includes technical support if required, spare parts up to €50.00 and minor repairs up to 1 hour
 - ⊕ Maintenance log provided
 - ⊕ Work carried out by factory customer service team/RZB certified partners
 - ⊕ More cost-effective than individual callouts



TOLEDO FLAT round
TRIONA round



MULTIDIGIT air
14



MULTIDIGIT touch
18



MULTIDIGIT touch DALI
22



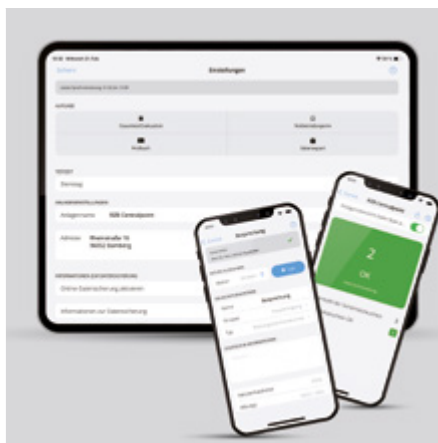
MULTIDIGIT
26



MULTIDIGIT plus
30

SELF-CONTAINED MONITORING SYSTEMS

The **MULTIDIGIT monitoring systems** guarantee the recurring tests required by regulations and standards. Depending on the monitoring system, the luminaires are networked and monitored wirelessly via radio or wired with a bus line. The detailed status messages of each individual luminaire can be called up from a central location.



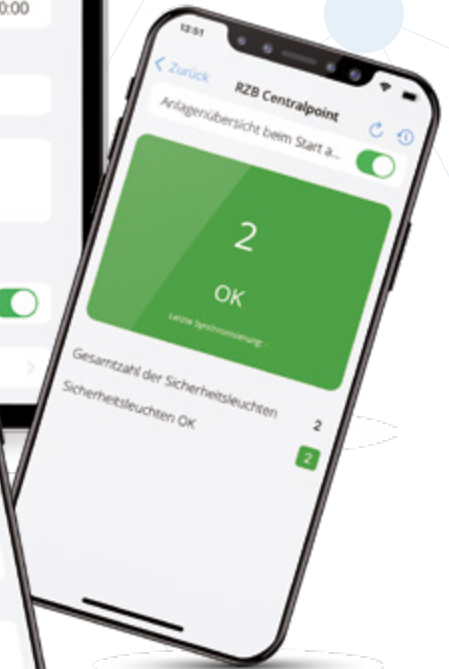
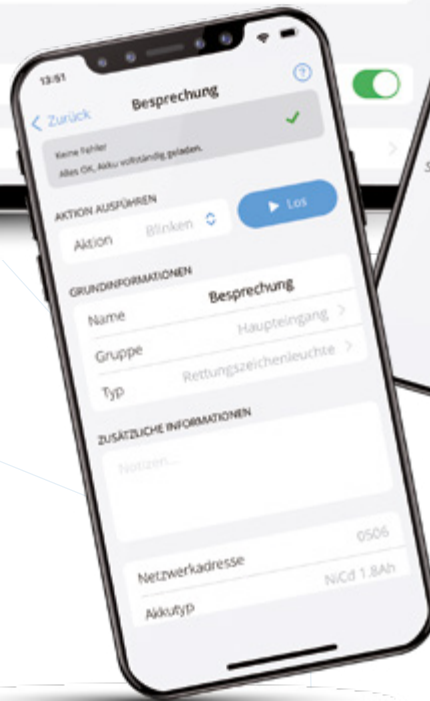
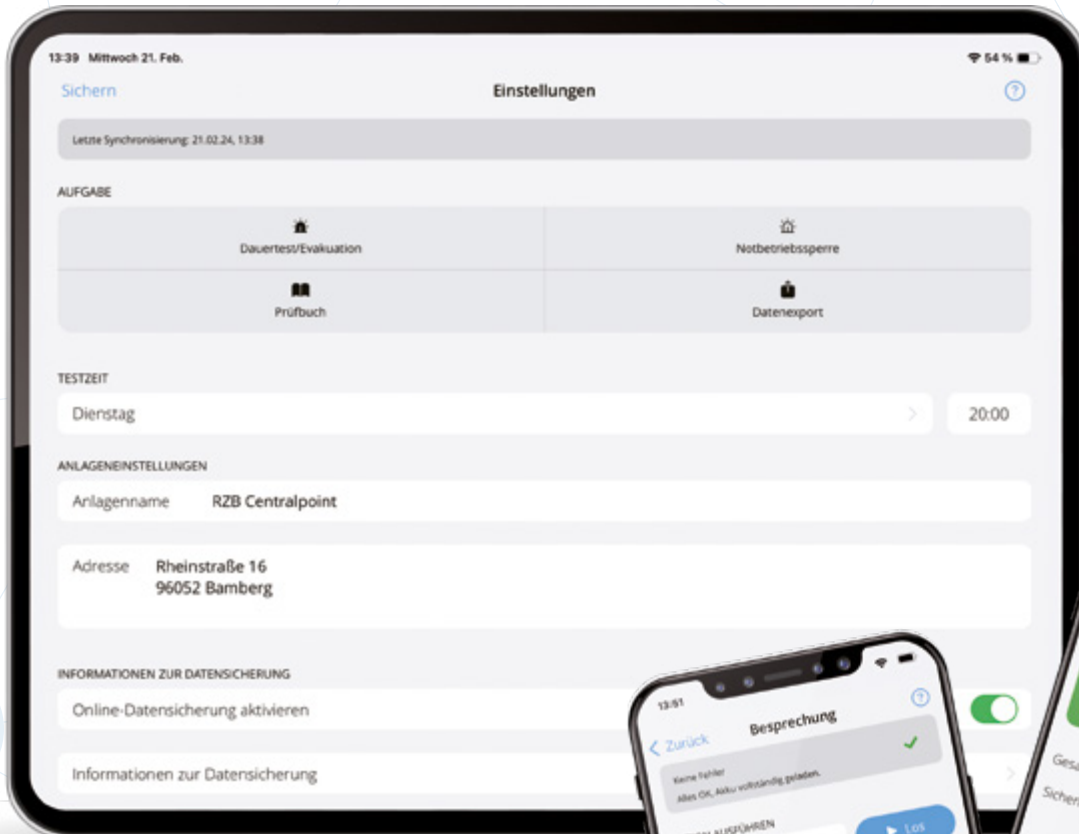
System overview	MULTIDIGIT air	MULTIDIGIT touch
Construction of system	Bluetooth® mesh network	single module, modular possible
Colour display	✓ smartphone or tablet	✓
Number of circuits base unit	1 network	1
Number of luminaires per circuits	max. 100 per network	125
Number of luminaires per base unit	max. 100 per network	max. 125
Expandable	✓ through additional networks	✓ max. 125 signal amplifier
Max. Luminaires	max. 100 per network	15625
Fault indication	smartphone or tablet	touchscreen and web browser
Potential-free fault signal contacts	-	✓
Email dispatch	✓	✓
TCP/IP	-	✓
Display of building plans	-	✓
Modular structure	-	✓ with signal amplifier
Bus line topology	Bluetooth® mesh network	linear, tree or star-shaped
Bus line	-	min. 2 x 2 x 0.8 mm ²
Application area	small to medium projects	small to largest projects
Automatic test log book	✓	✓
Status of individual lights can be retrieved	✓	✓
Installation type	app for iOS and Android	DIN rail optional wall mounting



MULTIDIGIT touch DALI	MULTIDIGIT	MULTIDIGIT plus
single module	single module, modular possible	modular
✓	–	–
2	1	1
64	125	125
max. 128	max. 125	max. 125
–	max. 125 signal amplifier ✓	max. 125 signal amplifier ✓
128	15625	15625
touchscreen and web browser	LED and web browser	LED and web browser
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
–	with signal amplifier ✓	✓
linear, tree or star-shaped	linear, tree or star-shaped	linear, tree or star-shaped
min. NYM 1.5 mm ²	min. 2 x 2 x 0.8 mm ²	min. 2 x 2 x 0.8 mm ²
small to medium projects	small to largest projects	large to largest projects
✓	✓	✓
✓	✓	✓
DIN rail optional wall mounting	DIN rail	DIN rail

MULTIDIGIT air

Scalable radio monitoring system for self-contained emergency luminaires




MULTIDIGIT air App
 download now!



Commissioning and monitoring via app

Bluetooth® mesh networking of luminaires

No bus cabling necessary

Additional advantages

- ⊕ Wireless networking with Bluetooth® mesh.
- ⊕ No bus cable required.
- ⊕ Ideal for renovations.
- ⊕ Commissioning and monitoring via app (iOS and Android).
- ⊕ Simple configuration thanks to our user-friendly app.
- ⊕ Reset function helps when changing projects and reconfiguring.
- ⊕ Luminaire spacing of up to 15 m.
- ⊕ Monitoring of up to 100 self-contained luminaires.
- ⊕ Test logs and all relevant data can be archived quickly and automatically locally or online.
- ⊕ Significant time savings for service technicians due to reduced documentation effort.

Luminaires with MULTIDIGIT air



MULTIDIGIT air

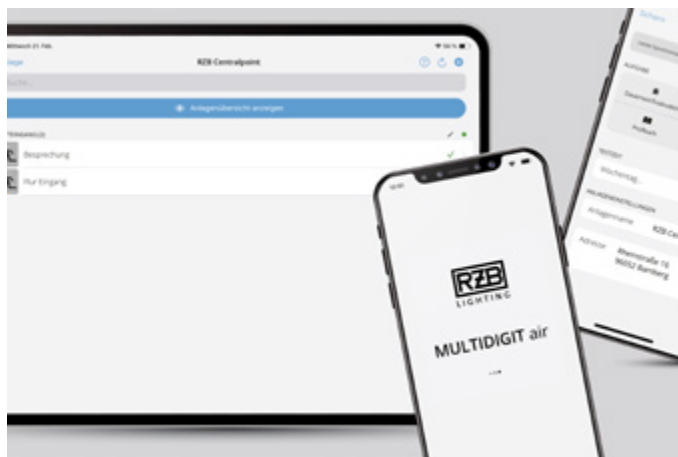
Safety in the air

Scalable Bluetooth® monitoring system for self-contained emergency luminaires for maximum safety and convenience. MULTIDIGIT air is particularly suitable for applications where wireless networking is required. Permanent monitoring and configuration are carried out via the MULTIDIGIT air app. A tablet or smartphone takes over the visibility of the system from a central location. The emergency luminaires report their current status via a Bluetooth® mesh network to the app, which analyses and controls the entire system. Up to 100 self-contained emergency luminaires can be wirelessly networked and monitored. No bus cable is required. The app generates test reports quickly and automatically in PDF format, which can be archived locally or in the cloud. This saves the service technician valuable time.

The MULTIDIGIT AIR module is integrated in luminaires with the reference number coding **.F1**.

+ Install, set up, ready

- Install and electrify self-contained emergency lights with integrated radio module.
- Download the MULTIDIGIT AIR app to your tablet or smartphone.
- Quick configuration and start-up in the app.



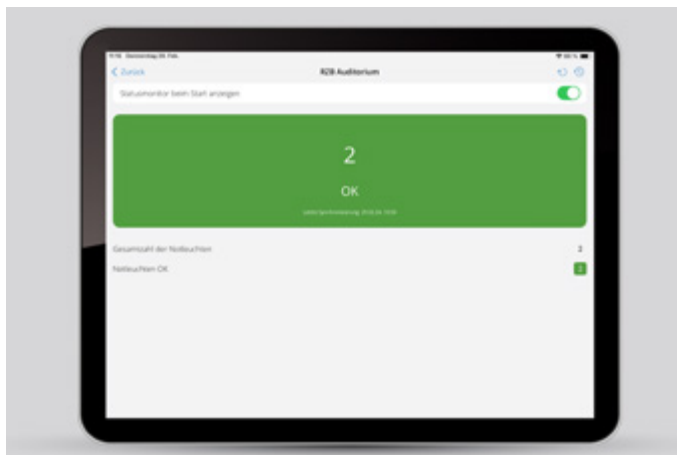
+ One click and everything is in

- Centralised setup, monitoring and display of the status of all emergency luminaires in the app.
- Convenient display thanks to group function.
- Possible backup of project data locally or online.



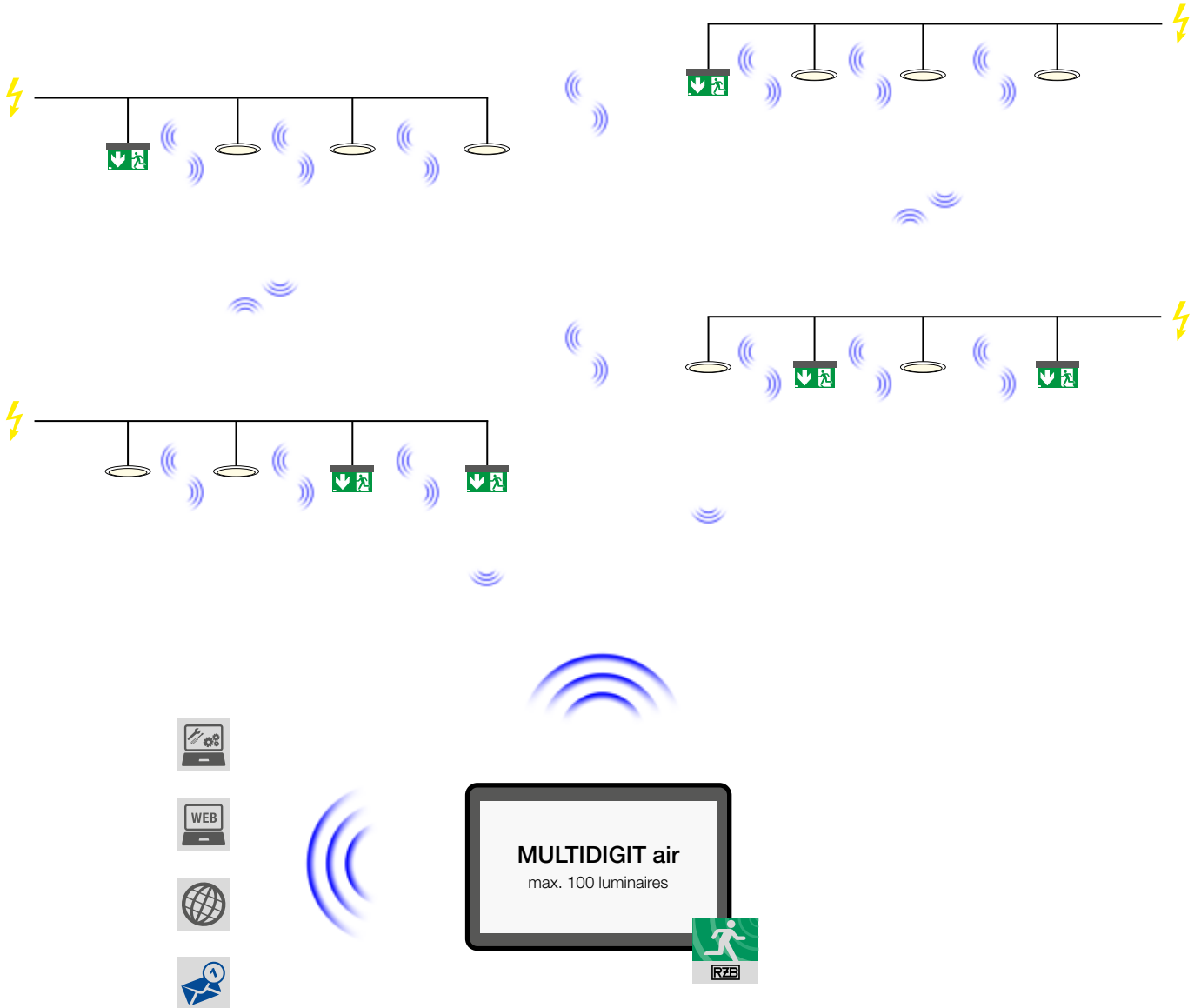
+ Documentation made simple

- Automatic creation of the inspection logbook in the app.
- Significant time savings for service technicians due to reduced documentation effort.
- Manual inspection logbook entries can be created and archived quickly and easily.
- Easy dispatch of project data by e-mail.



Radio diagram for MULTIDIGiT air

Max. luminaire spacing of up to 15 m
Max. 100 luminaires per network



Attention!
All luminaires for **MULTIDIGIT air**
must have order suffix **.F1**



MULTIDIGIT TOUCH

Self-contained luminaire monitoring system

- Monitoring system for up to 125 self-contained luminaires.
- Visualization via Ethernet interface with integrated web server.
- Commissioning and status query via integrated touchscreen or via PC with web browser.
- Automatic luminaire search for the commissioning.
- Automatic email dispatch at status changes.
- Password protection.
- Formation of groups.
- Planning of test times.
- Integration of building plans.
- Display of the luminaire location in plain text.
- Evacuation mode via external switching contact switchable.
- Automatic generation of detailed test record.
- Additional alarm contact for forwarding of faults.
- Can be expanded to up 15,000 luminaires via signal amplifier, these luminaires can be monitored.

Self-contained luminaire monitoring system | MULTIDIGIT touch

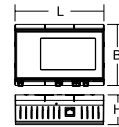
With the MULTIDIGIT touch system, it is possible to constantly monitor self-contained emergency luminaires from a central location. The emergency luminaires report their current status via the integrated touchscreen or LAN network to a PC with a web browser, which takes over the evaluation and control of the entire system. An immediate and clear overview of the entire system can thus be provided and used for determining the operational readiness of the emergency lighting system. No special software is required.

125 self-contained emergency luminaires can be installed according to the circuit diagram. When used in conjunction with signal amplifiers, the MULTIDIGIT touch system can monitor up to 15,625 luminaires. Up to 125 signal amplifiers can be used. The bus line does not need to comply with any particular requirements; its structure can be T-shaped, star-shaped, linear or even mixed. 2-wire bus line polarity needs not to be considered.

If you have any technical queries or you require support for your planning, please contact your sales office.

Monitoring system for RZB self-contained luminaires with .04 coding

Available colour: grey



Reference number	Dimensions [mm]	Price Category
MULTIDIGIT touch monitoring module		
672174.000	L 160, B 110, H 53	30

Accessories | MULTIDIGIT signal

Type of protection: IP 20

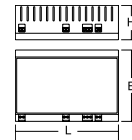
Protection class: I

For connection of further 125 RZB luminaires with .04 coding.

2 signal amplifiers are required to monitor 250 luminaires.

Type of installation: top hat rail

Available colour: grey



Reference number	Dimensions [mm]	Price Category
Signal amplifier MULTIDIGIT signal		
671148.000	L 155, B 75, H 120	30

Wall-mounted housing

982772.004.37	L 236, B 59, H 234	Wall-mounted housing	30
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Mounting set for through wiring surface installation

982460.0031	L 226, B 216, H 31	Mounting set for through wiring surface installation	30
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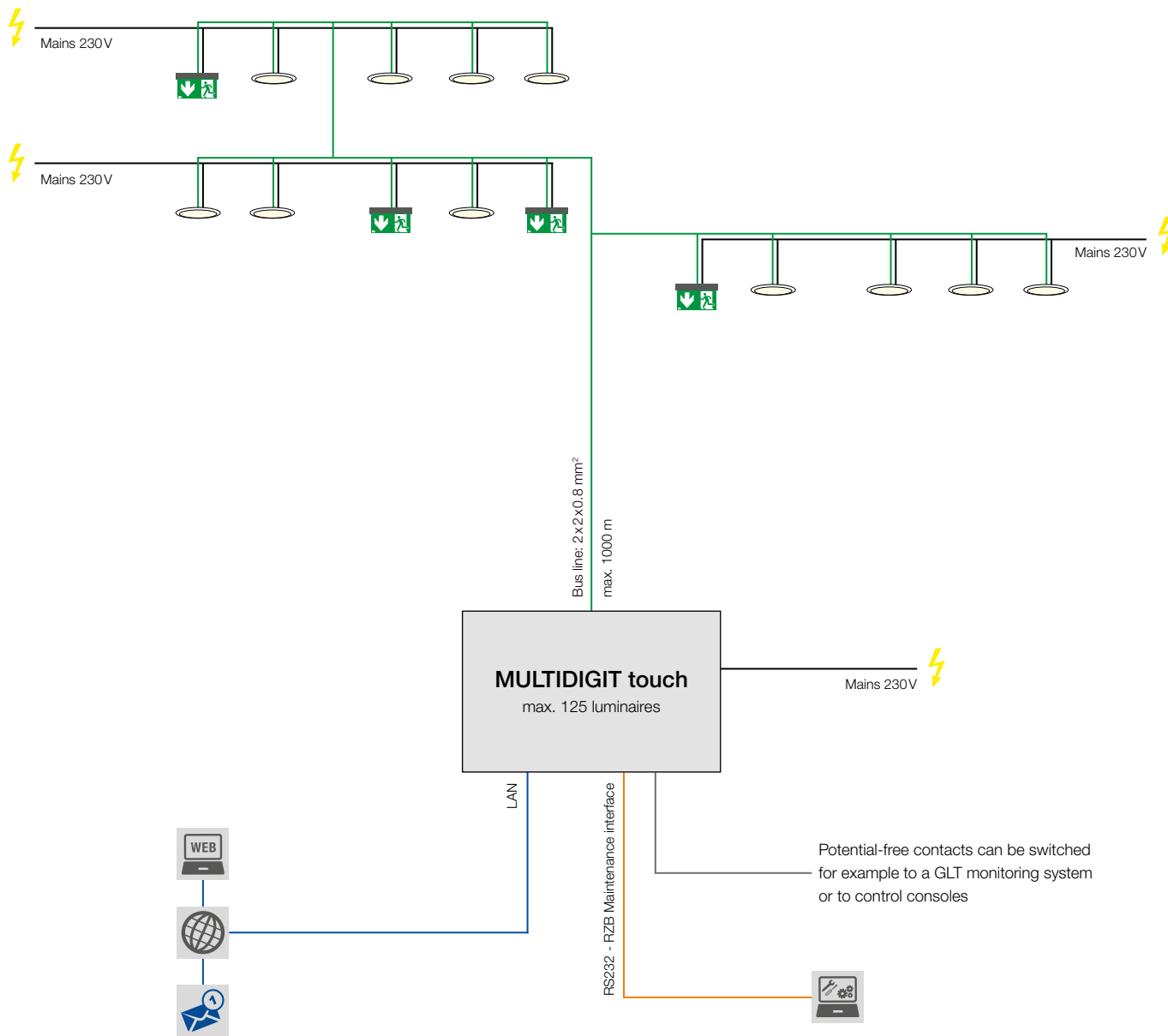
Attention!

All modules and luminaires for **MULTIDIGIT touch** must have order suffix **.04**

General circuit diagram for MULTIDIGiT touch

Max. line length 1000 m

Max. 125 luminaires

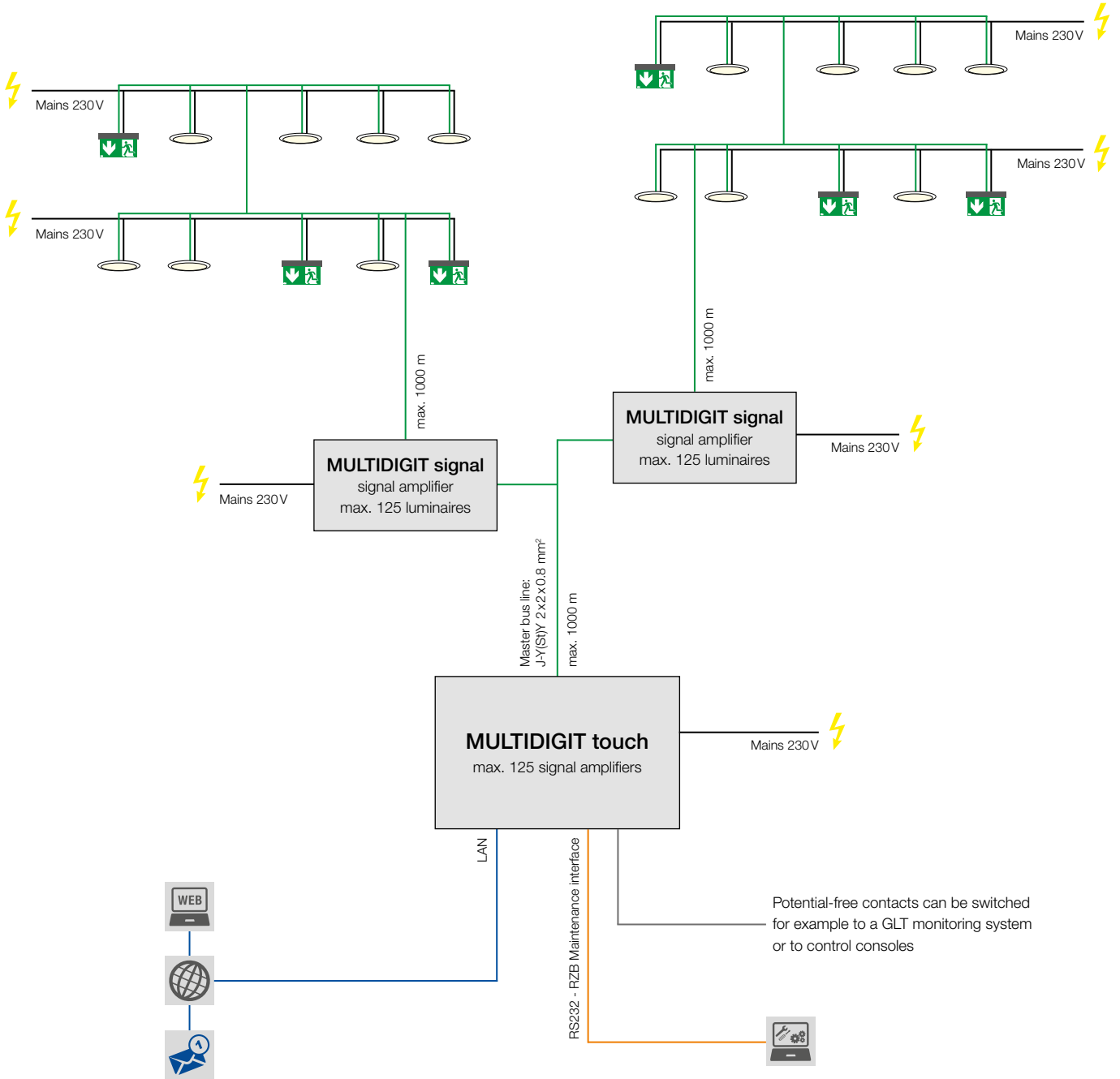


No. of luminaires per line	Max. line length	Min. cross-section of bus line
40	1000 m	0.5 mm ²
80	1000 m	1.0 mm ²
125	1000 m	1.5 mm ²

General circuit diagram for MULTIDIGit touch with signal amplifier MULTIDIGIT signal

Max. line length 1000 m

Max. 125 signal amplifiers for max. 125 luminaires each



No. of signal amplifiers per line	Max. line length	Min. cross-section of bus line
40	1000 m	0.5 mm ²
80	1000 m	1.0 mm ²
125	1000 m	1.5 mm ²



MULTIDIGIT TOUCH DALI

Self-contained luminaire monitoring system

- Monitoring system for up to 128 self-contained luminaires.
- Visualization via Ethernet interface with integrated web server.
- Commissioning and status query via integrated touchscreen or via PC with web browser.
- Automatic luminaire search for the commissioning.
- Automatic email dispatch at status changes.
- Password protection.
- Formation of groups.
- Planning of test times.
- Integration of building plans.
- Display of the luminaire location in plain text.
- Evacuation mode via external switching contact switchable.
- Automatic generation of detailed test record.
- Additional alarm contact for forwarding of faults.

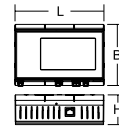
Self-contained luminaire monitoring system | MULTIDIGIT touch DALI

With the MULTIDIGIT touch DALI system, it is possible to constantly monitor self-contained emergency luminaires from a central location. The emergency luminaires report their status to the MULTIDIGIT touch DALI monitoring system, whose displays can be viewed either directly on the integrated touchscreen or via a LAN network with a web browser.

Up to 128 self-contained emergency luminaires can be installed on two bus circuits according to the circuit diagram. The bus line does not need to comply with any particular requirements; its structure can be T-shaped, star-shaped, linear or even mixed. 2-wire bus line polarity needs not to be considered.

If you have any technical queries or you require support for your planning, please contact your sales office.

Monitoring system for RZB self-contained luminaires with .07 coding



Available colour: grey

Reference number	Dimensions [mm]	Price Category
MULTIDIGIT touch monitoring module DALI		
672511.000	L 160, B 110, H 53	for DIN-rail mounting 30

Wall-mounted housing

982772.004.37	L 236, B 59, H 234	Wall-mounted housing 30
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Mounting set for through wiring surface installation

982460.0031	L 226, B 216, H 31	Mounting set for through wiring surface installation 30
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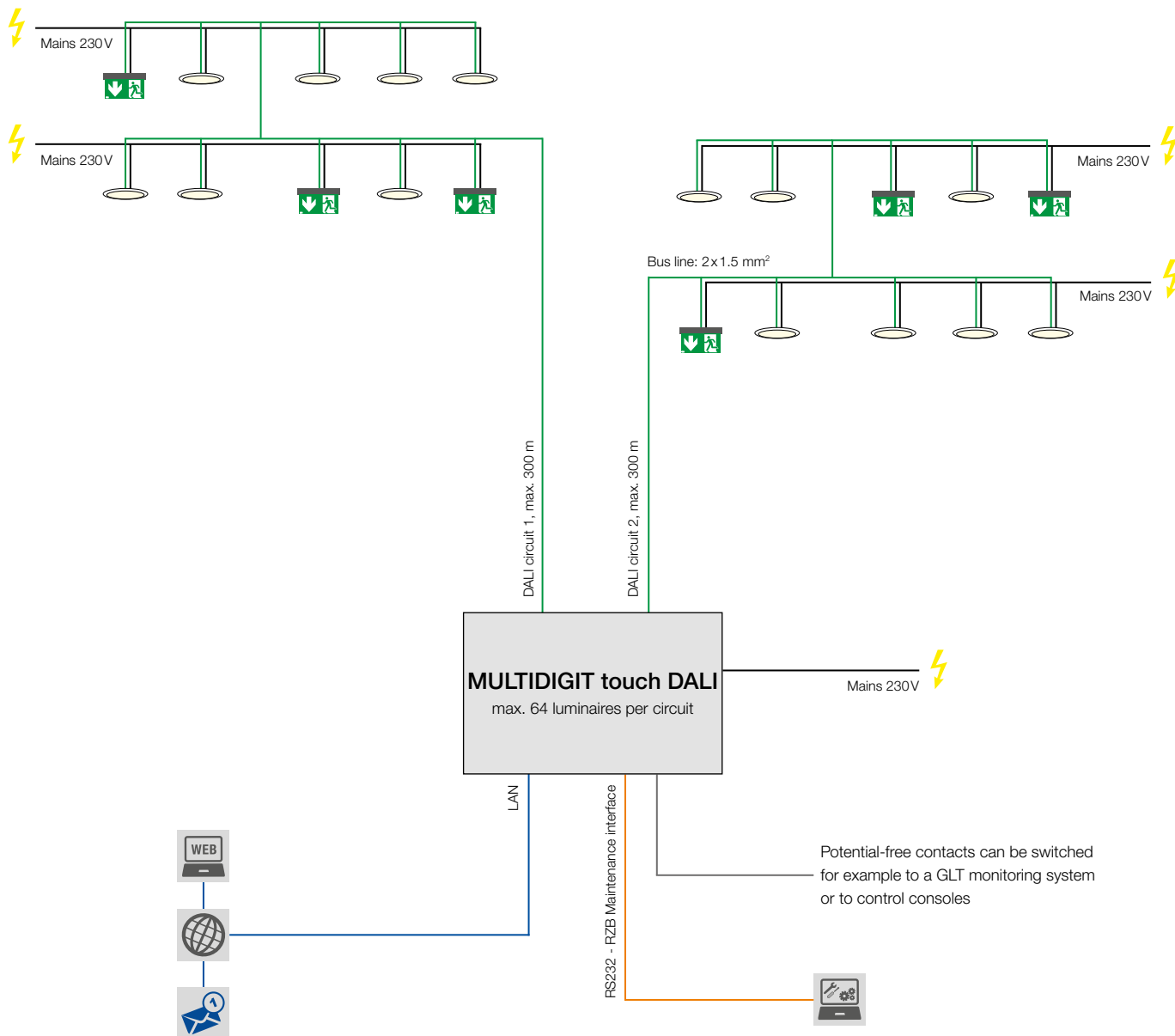
Attention!

All modules and luminaires for **MULTIDIGIT touch DALI** must have order suffix **.07**

General circuit diagram for MULTIDIGIT touch DALI

Max. line length per DALI circuit 300 m

Max. 64 luminaires per circuit



Max. line length	Min. cross-section of bus line
150 m	0.75 mm ²
200 m	1.0 mm ²
300 m	1.5 mm ²





MULTIDIGIT

Self-contained luminaire monitoring system

- Monitoring system for up to 125 self-contained luminaires.
- Visualization via Ethernet interface with integrated web server.
- Status query via PC with web browser.
- Commissioning via PC with web browser.
- Automatic luminaire search for the commissioning.
- Automatic email dispatch at status changes.
- Password protection.
- Formation of groups.
- Planning of test times.
- Integration of building plans.
- Display of the luminaire location in plain text.
- Evacuation mode via external switching contact switchable.
- Automatic generation of detailed test record.
- Additional alarm contact for forwarding of faults.
- Can be expanded to up 15,000 luminaires via signal amplifier, these luminaires can be monitored.

Self-contained luminaire monitoring system | MULTIDIGIT

With the MULTIDIGIT system, it is possible to constantly monitor self-contained emergency luminaires from a central location. The emergency luminaires report their current status via LAN network to a PC with a web browser, which takes over the evaluation and control of the entire system.

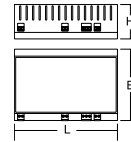
125 self-contained emergency luminaires can be installed according to the circuit diagram. Using signal amplifiers, the MULTIDIGIT can be extended to create a MULTIDIGIT plus system for monitoring up to 15,625 luminaires. Up to 125 signal amplifiers can be used. The bus line does not need to comply with any particular requirements; its structure can be T-shaped, star-shaped, linear or even mixed. 2-wire bus line polarity needs not to be considered.

If you have any technical queries or you require support for your planning, please contact your sales office.

Monitoring system for RZB self-contained luminaires with **.04** coding

Available colour: grey

Reference number	Dimensions [mm]	Price Category
MULTIDIGIT monitoring module		
671823.000	L 160, B 110, H 53	30



Accessories | MULTIDIGIT signal

Type of protection: IP 20

Protection class: I

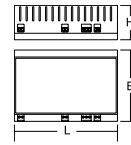
For connection of further 125 RZB luminaires with **.04** coding.

2 signal amplifiers are required to monitor 250 luminaires.

Type of installation: top hat rail

Available colour: grey

Reference number	Dimensions [mm]	Price Category
Signal amplifier MULTIDIGIT signal		
671148.000	L 155, B 75, H 120	30



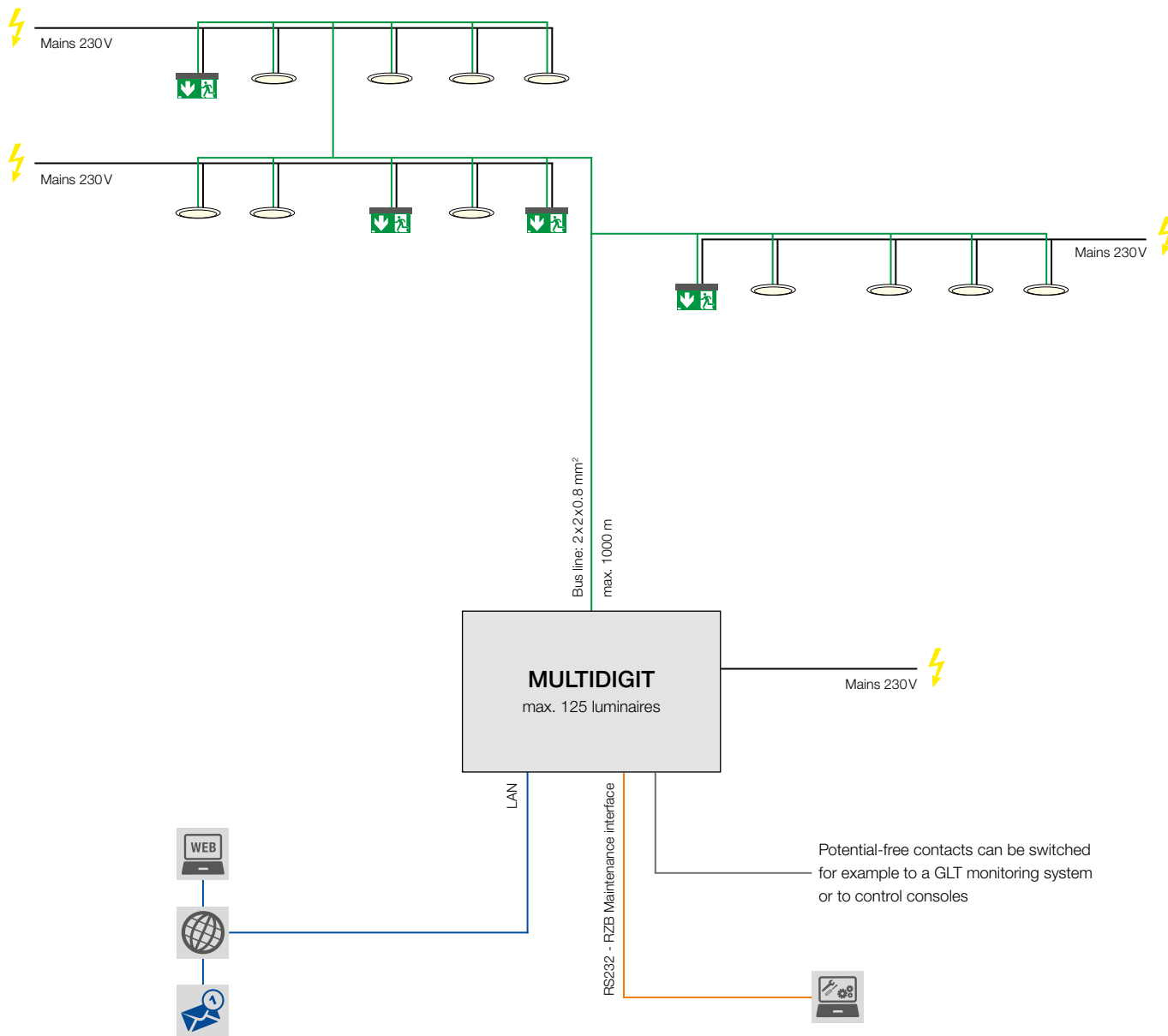
Attention!

All modules and luminaires for **MULTIDIGIT** must have order suffix **.04**

General circuit diagram for MULTIDIGIT

Max. line length 1000 m

Max. 125 luminaires

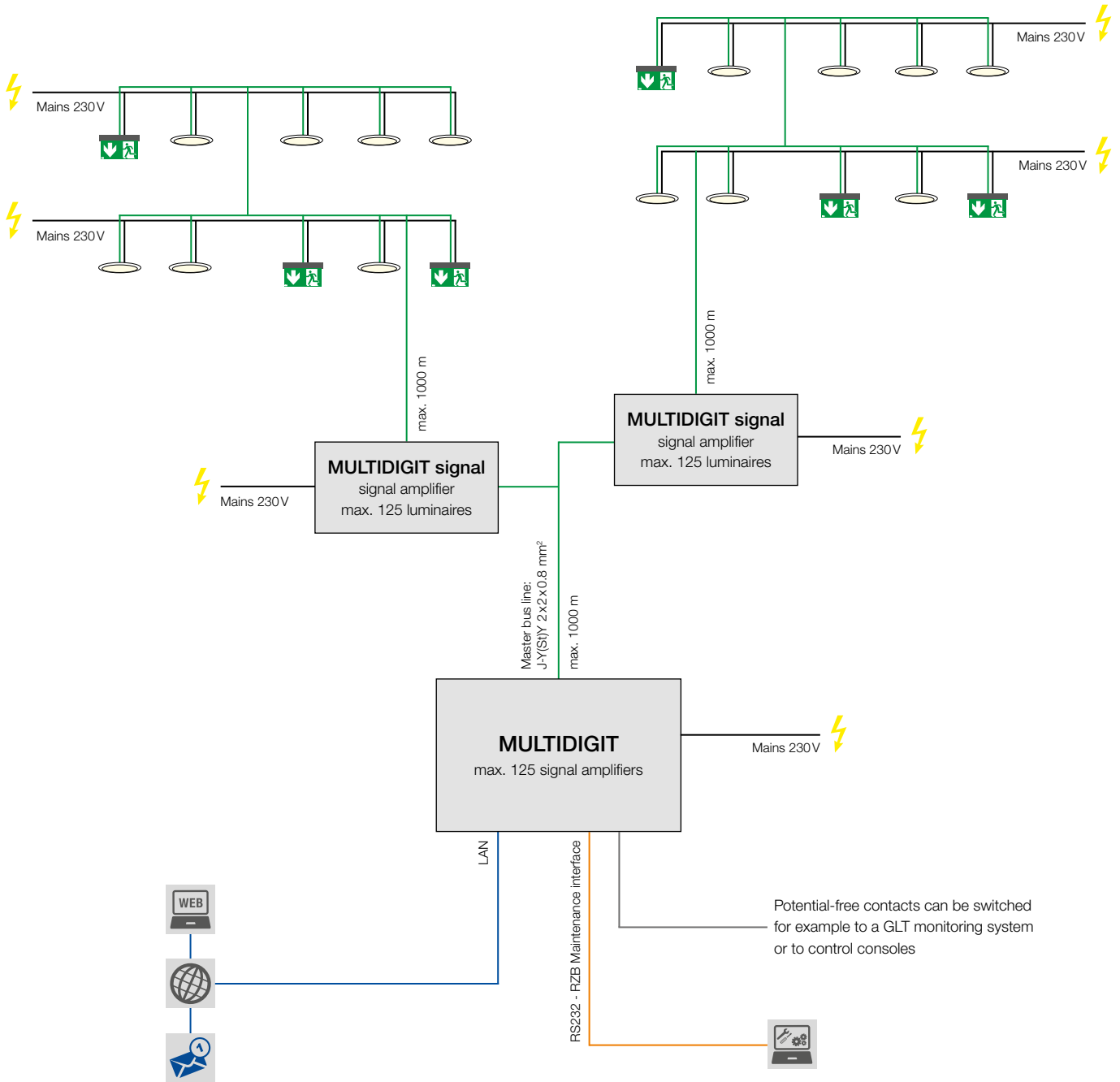


No. of luminaires per line	Max. line length	Min. cross-section of bus line
40	1000 m	0.5 mm ²
80	1000 m	1.0 mm ²
125	1000 m	1.5 mm ²

General circuit diagram for MULTIDIGIT with signal amplifier

Max. line length 1000 m

Max. 125 signal amplifiers for max. 125 luminaires each



No. of signal amplifiers per line	Max. line length	Min. cross-section of bus line
40	1000 m	0.5 mm ²
80	1000 m	1.0 mm ²
125	1000 m	1.5 mm ²



MULTIDIGIT PLUS

Self-contained luminaire monitoring system

- Monitoring system for up to 15625 self-contained luminaires.
- Visualization via Ethernet interface with integrated web server.
- Status query via PC with web browser.
- Commissioning via PC with web browser.
- Automatic luminaire search for the commissioning.
- Password protection.
- Formation of groups.
- Planning of test times.
- Integration of building plans.
- Display of the luminaire location in plain text.
- Evacuation mode via external switching contact switchable.
- Automatic generation of detailed test record.
- Additional alarm contact for forwarding of faults.

Self-contained luminaire monitoring system | MULTIDIGIT plus

With the MULTIDIGIT plus system, it is possible to constantly monitor self-contained emergency luminaires from a central location. The emergency luminaires report their current status via LAN network to a PC with a web browser, which takes over the evaluation and control of the entire system. An immediate and clear overview of the entire system can thus be provided and used for determining the operational readiness of the emergency lighting system. No special software is required.

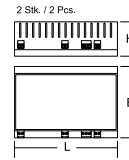
125 self-contained emergency luminaires can be installed according to the circuit diagram. When used in conjunction with signal amplifiers, the MULTIDIGIT plus system can monitor up to 15,625 luminaires. Up to 125 signal amplifiers can be used. The bus line does not need to comply with any particular requirements; its structure can be T-shaped, star-shaped, linear or even mixed. 2-wire bus line polarity needs not to be considered.

If you have any technical queries or you require support for your planning, please contact your sales office.

Monitoring system for RZB self-contained luminaires with **.04** coding

Available colour: grey

Reference number	Dimensions [mm]	Price Category
Starter-Set MULTIDIGIT plus		
981935.000	L 155, B 75, H 120	30



Accessories | MULTIDIGIT signal

Type of protection: IP 20

Protection class: I

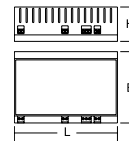
For connection of further 125 RZB luminaires with **.04** coding.

2 signal amplifiers are required to monitor 250 luminaires.

Type of installation: top hat rail

Available colour: grey

Reference number	Dimensions [mm]	Price Category
Signal amplifier MULTIDIGIT signal		
671148.000	L 155, B 75, H 120	30



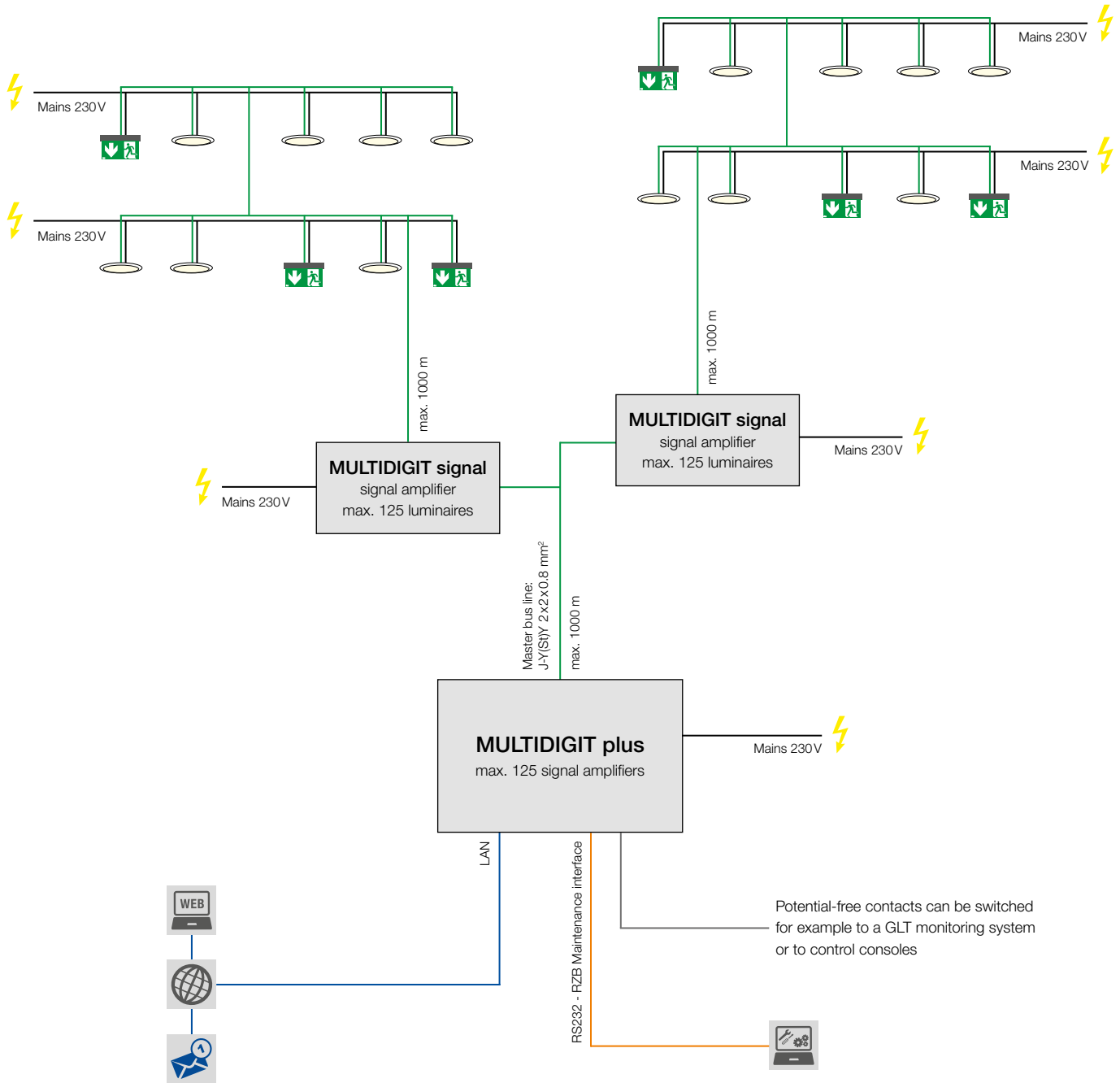
Attention!

All modules and luminaires for **MULTIDIGIT** must have order suffix **.04**

General circuit diagram for MULTIDIGIT plus with signal amplifier

Max. line length 1000 m

Max. 125 signal amplifiers for max. 125 luminaires each



No. of signal amplifiers per line	Max. line length	Min. cross-section of bus line
40	1000 m	0.5 mm ²
80	1000 m	1.0 mm ²
125	1000 m	1.5 mm ²





GSUN D



PGVG 200
38



POWERBOX 15
40



DEECOS E

Self-contained power supply systems from RZB for operating a maximum of 2 emergency luminaires in the event of a power failure. The supply systems are used if direct installation in the luminaires is not possible or if emergency luminaires in environments with extreme temperatures (e.g. outdoor areas, cold rooms or boiler rooms) have to be operated from an area with moderate temperatures or if luminaires from the general lighting system, provided they are suitable, are to be used for emergency lighting.



Overview	PGVG 200	POWERBOX 15
Input voltage	230 V / 50 Hz	230 V / 50 Hz
Output voltage mains mode	230 V / 50 Hz	230 V / 50 Hz
Output voltage emergency mode	225 V DC	210 V DC
Switching power AC	2000 VA	2000 VA
Switching power DC	4000 W / 100 ms	2000 W / 100 ms
Power emergency mode	200 W	12 W
Power emergency mode per circuit	100 W	12 W
Rated operating time	1 h 3 h	1 h 3 h
No. of outgoing circuits	2	1
Nominal voltage of battery	12 V	14 V
Installation type	wall mounting	wall mounting
Max. line length to the luminaire	500 m	500 m



PGVG 200

Self-contained power supply units

- Self-contained system in accordance with EN IEC 60598-2-22.
- Suitable for DC voltage luminaires up to a total output of 200 Watt.
- Max. 100 Watt per luminaire.
- Two luminaires can be connected to one device.
- Cable length between power supply unit and luminaire up to 500 m.
- Self test as standard.
- Luminous flux in emergency mode: 100%.
- Ideally suited for supplying power to emergency luminaires in areas with high or low ambient temperatures.
- Battery included.

Self-contained power supply units | PGVG 200

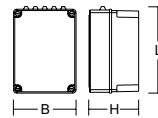
Type of protection: IP 33
Protection class: I

Input voltage: 230 V, 50 Hz

Output voltage: 230 V AC (mains operation), 225 V DC (battery operation)

Permissible ambient temperature Ta: 0 bis +25°C

Type of installation: wall surface mounting



The PGVG 200 is an emergency light supply device according to EN IEC 60598-2-22 for the connection of up to two luminaires suitable for DC voltage operation according to EN IEC 60598-2-22 for a rated operating time of 1 h or 3 h.

The luminaires can be installed up to 500 m from the PGVG 200. The PGVG has an automatic self-test according to EN 62034, which reports a lamp / device fault in the event of a device fault or underload on a lighting circuit, which can be passed on via a potential-free changeover relay and is displayed via an integrated status LED. The two lighting circuits can be switched independently of one another and operated both in maintained and in non-maintained operation. The total output of the PGVG 200 is up to 200 W depending on the variant and maximum bridging time. The maximum output per luminaire circuit is 100 W in emergency mode with a maximum switch-on power of 4000 W for 100 ms.

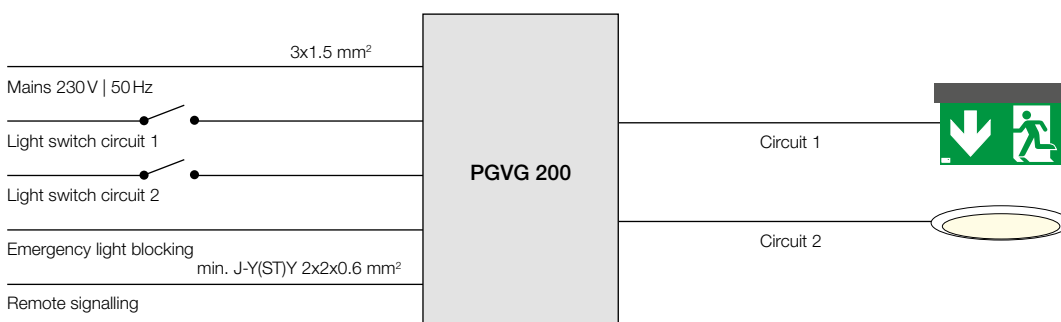
Available colour: grey white

Reference number	Dimensions [mm]	Wattage 1h [W]	Wattage 3h [W]	Battery	Monitoring	Price Category
Self-contained power supply units						
PGVG200-7-DC-G						
981502.000	L 560, B 237, H 170	34	15	Pb	Autotest	30
981502.000.04	L 560, B 237, H 170	34	15	Pb	MultiDigit	30
981502.000.07	L 560, B 237, H 170	34	15	Pb	DALI-Sibe	30
PGVG200-12-DC-G						
981504.000	L 560, B 237, H 170	60	25	Pb	Autotest	30
981504.000.04	L 560, B 237, H 170	60	25	Pb	MultiDigit	30
981504.000.07	L 560, B 237, H 170	60	25	Pb	DALI-Sibe	30
PGVG200-18-DC-G						
981506.000	L 560, B 237, H 170	90	40	Pb	Autotest	30
981506.000.04	L 560, B 237, H 170	90	40	Pb	MultiDigit	30
981506.000.07	L 560, B 237, H 170	90	40	Pb	DALI-Sibe	30
PGVG200-24-DC-G						
981508.000	L 560, B 237, H 170	115	50	Pb	Autotest	30
981508.000.04	L 560, B 237, H 170	115	50	Pb	MultiDigit	30
981508.000.07	L 560, B 237, H 170	115	50	Pb	DALI-Sibe	30
PGVG200-45-DC-G						
981510.000	L 690, B 270, H 190	183	95	Pb	Autotest	30
981510.000.04	L 690, B 270, H 190	183	95	Pb	MultiDigit	30
981510.000.07	L 690, B 270, H 190	183	95	Pb	DALI-Sibe	30
PGVG200-90-DC-G						
981512.000	L 1000, B 270, H 190	200	200	Pb	Autotest	30
981512.000.04	L 1000, B 270, H 190	200	200	Pb	MultiDigit	30
981512.000.07	L 1000, B 270, H 190	200	200	Pb	DALI-Sibe	30

General circuit diagram for PGVG 200

Max. line length 500 m

Max. 2 luminaires





POWERBOX 15

Self-contained power supply units

- Cable length between power supply unit and luminaire up to 500 m.
- Two luminaires can be connected to one device.
- Self test as standard.
- Battery included.

Self-contained power supply units | POWERBOX 15

Type of protection: IP 56
Protection class: II

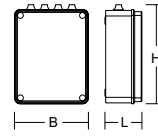
Input voltage: 230 V, 50 Hz

Mains power: 230 V, 50 Hz

Output voltage: 230 V AC (mains operation), 210 V DC (battery operation)

Permissible ambient temperature: +5 to +35 °C

Type of installation: wall surface mounting or horizontal mounting



The Powerbox 15 is an emergency lighting supply device for the connection of up to two lights suitable for direct voltage operation according to EN IEC 60598-2-22, for a rated operating time of 1 h or 3 h.

The lights can be installed up to 500 m from the Powerbox 15. Automatic self-test according to EN 62034 as standard, which indicates a luminaire/device malfunction via an integrated status LED in the event of a device malfunction or under-load on a luminaire circuit. The luminaire circuit can be switched and operated in both maintained and non-maintained mode. The total output of the Powerbox 15 is 15 W in mains operation (permanent switching) and 12 W in emergency operation with a rated operating time of 1 hour or 3 hours. The maximum switch-on power is 300 W for 100 ms.

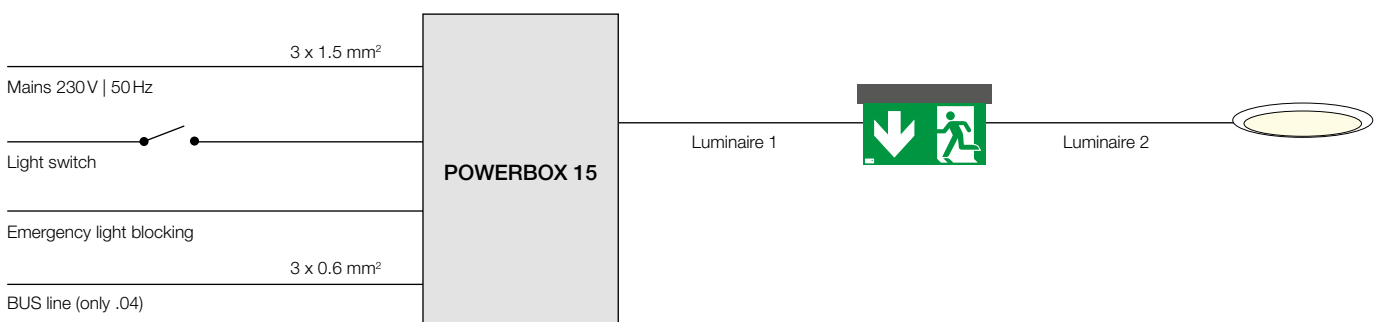
Available colour: 9 = grey

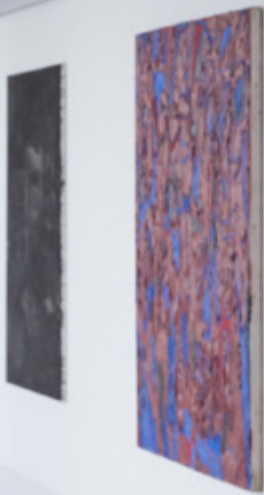
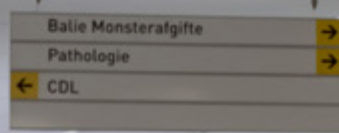
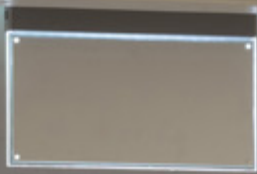
Reference number	Dimensions [mm]	Wattage 1h [W]	Wattage 3h [W]	Monitoring	Price Category
Self-contained power supply units					
672232.009	L 100, B 200, H 250	12	12 W	Autotest	30
672232.009.04	L 100, B 200, H 250	12	12 W	MultiDigit	30
672232.009.07	L 100, B 200, H 250	12	12 W	DALI-Sibe	30

General circuit diagram for POWERBOX 15

Max. line length 500 m

Max. 2 luminaires







LUXIFAIR QUATTRO
46



LUXIFAIR QUATTRO industry
46



LUXIFAIR QUATTRO light
46













LUXIFAIR QUATTRO E30
46

The RZB LUXIFAIR QUATTRO is a **Low Power System (LPS)** of the latest generation. It is specially designed to supply up to 80 emergency luminaires within a fire zone.

In the event of a mains failure, the system supplies the luminaires with a power of up to 350 VA for 1 hour, for 3 hours or also with up to 250 VA for 8 hours. Due to the AC voltage supply of the luminaires in mains and emergency operation, a very wide range of different luminaires can be supplied with the RZB LUXIFAIR QUATTRO. For clear localisation of the connected luminaires, a location can be stored for each luminaire, which is displayed in the event of a fault.

The system communicates with the luminaires via Powerline Communication. Therefore, no bus lines to the luminaires are required. Monitoring and visualisation via TCP/IP with e-mail transmission in the event of a fault is provided as standard. Switching operations can be triggered via the digital inputs and messages can be forwarded to a higher-level BMS or a message tableau via the potential-free changeover relays.



System overview		LUXIFAIR QUATTRO
Power		350 VA / 1 h 350 VA / 3 h 250 VA / 8 h
Housing		Housing: sheet steel Cover: plastic
Single luminaire monitoring in mixed operation mode possible		✓
Circuit monitoring		✓
Number of circuits		4
Visualization		optional
System networking		✓
Monitoring via TCP/IP		✓
Modules and components		
	3-phase power monitoring relay	✓
	BUS network monitor type DNÜ	✓
	Message tableau	✓
	Message tableau Mikro, for surface installation	✓
	Message tableau Mikro, for recessed installation	✓
	E-Switch - electronic changeover switch for installation in luminaires	✓
	UE100c - electronic changeover switch for installation in distribution boards	✓
	UE-DIM - electronic changeover switch for dimming operation	✓
	AC-Control - address module for single luminaire monitoring in mixed mode	✓
	AC-Control DALI - address module for single luminaire monitoring in mixed mode	✓

Information on the modules and components can be found from page 93



LUXIFAIR QUATTRO industry	LUXIFAIR QUATTRO light	LUXIFAIR QUATTRO E30
350 VA / 1 h 350 VA / 3 h 188 VA / 8 h	350 VA / 1 h 350 VA / 3 h 188 VA / 8 h	350 VA / 1 h 225 VA / 3 h 88 VA / 8 h
Industrial housing, sheet steel	Housing: sheet steel Cover: sheet steel	Housing: sheet steel, cover: plastic System installed in fire protection cabinet E30
✓	✓	✓
✓	✓	✓
4	4	4
optional	optional	optional
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓



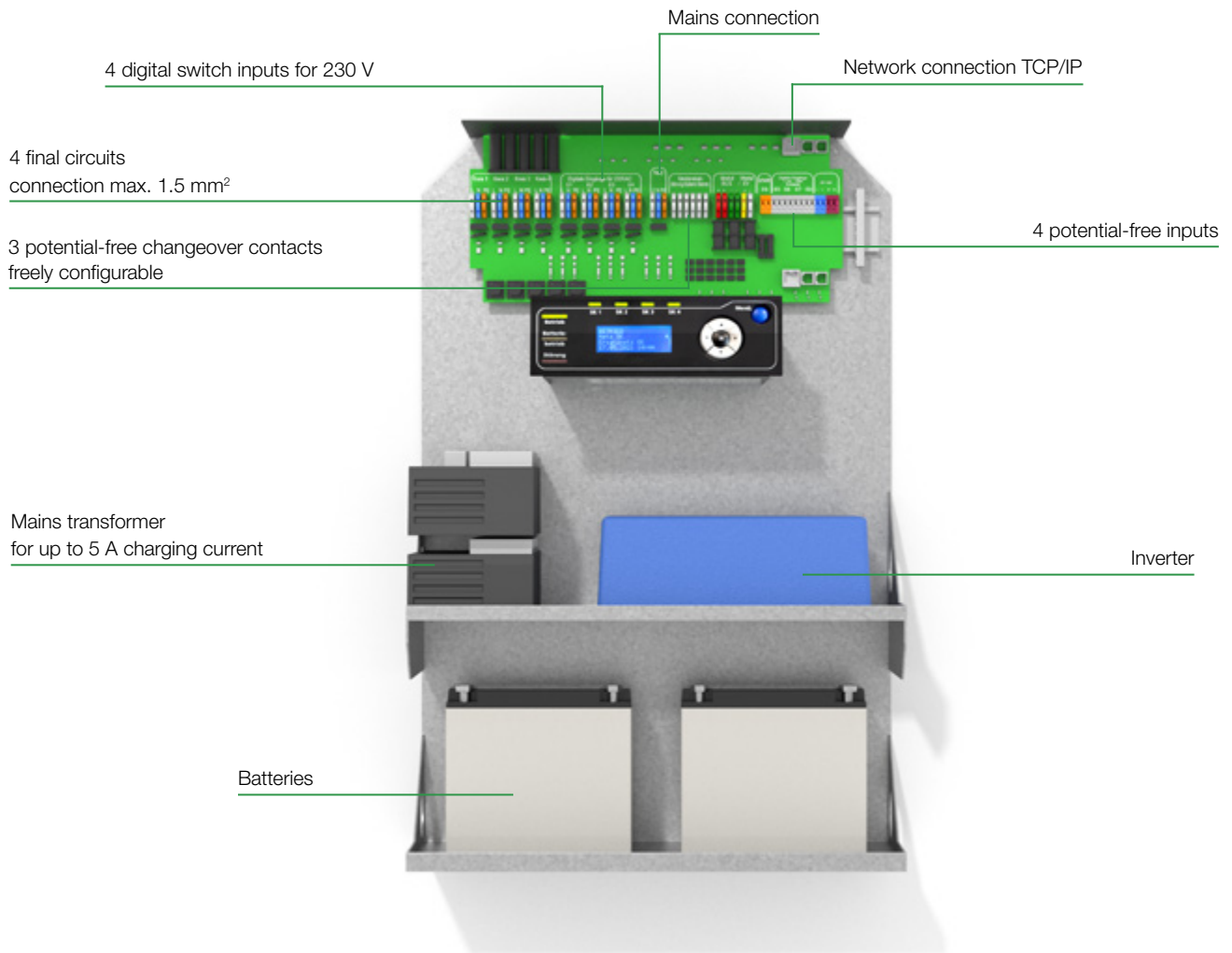
RZB LUXIFAIR QUATTRO

Low Power Supply (LPS)

- Fully automated, processor-controlled monitoring system.
- For powers up to 350 VA.
- Batteries included.
- Automatic generation of detailed test record.
- Visualisation and remote control via web browser.
- Convenient visualisation of up to 32 systems via optional PROvisu software.
- Free choice of switching type per luminaire.
- Choice of single-luminaire monitoring in mixed operation mode or circuit monitoring per end circuit.
- No bus lines to the luminaire necessary due to Powerline communication.
- Programmable destination for each connected luminaire.
- 230 V AC at the final circuits in mains and battery operation.
- Made in Germany.

RZB LUXIFAIR QUATTRO

Everything at a glance

**Technical data**

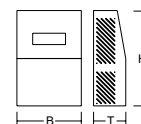
- Can be networked with RZB LUXIFAIR central battery systems (CPS).
- 4 output circuits for max. 20 luminaires each.
- Operating mode: non-maintained power mode, maintained power mode or mixed circuit with AC-Control.
- 4 digital inputs for potential-free switches.
- 4 digital inputs for 230 V AC.
- 3 potential-free changeover contacts.
- Integrated monitoring of a network monitor current loop.



Low Power Supply (LPS) | RZB LUXIFAIR QUATTRO

Type of protection: IP 20
Protection class: I

Housing: support elements made of galvanized sheet steel; cover made of plastic.
Type of installation: wall surface mounting. Cable entry from above.
Batteries included.



Available colour: multicoloured

Reference number	Dimensions [mm]	Power [W]	Power [VA]	Charging current [A]	Number of circuits	Output voltage mains [V]	Output voltage emergency local [V]	Output voltage emergency global [V]	Price Category
Low Power Supply (LPS)									
Rated operating time: 1 h									
985533	H 610, B 410, T 205	200	250	2	4	AC 230	AC 230	AC 230	30
985534	H 610, B 410, T 205	280	350	2	4	AC 230	AC 230	AC 230	30
Rated operating time: 3 h									
985535	H 610, B 410, T 205	180	225	2	4	AC 230	AC 230	AC 230	30
985536	H 880, B 410, T 205	280	350	5	4	AC 230	AC 230	AC 230	30
985865	H 880, B 410, T 205	200	250	5	4	AC 230	AC 230	AC 230	30
Rated operating time: 8 h									
985541	H 610, B 410, T 205	70	88	2	4	AC 230	AC 230	AC 230	30
985542	H 880, B 410, T 205	150	188	5	4	AC 230	AC 230	AC 230	30
985866	H 1420, B 410, T 205	200	250	5	4	AC 230	AC 230	AC 230	30

Extensions

Connection option for external bus network monitors

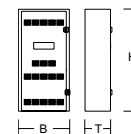
985884	Terminal for connecting external bus network monitors	30
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Low Power Supply (LPS) | RZB LUXIFAIR QUATTRO industry

Type of protection: IP 20
Protection class: I

Sturdy industrial housing made of galvanized sheet steel, powder coated. With lockable front door for protection against unwanted operation. Door hinge optionally right or left (please state when ordering). Type of installation: wall surface mounting. Cable entry from above. Batteries included.



Available colour: light grey (RAL 7035)

Reference number	Dimensions [mm]	Power [W]	Power [VA]	Charging current [A]	Number of circuits	Output voltage mains [V]	Output voltage emergency local [V]	Output voltage emergency global [V]	Price Category
Low Power Supply (LPS)									
Rated operating time: 1 h									
985867	H 1000, B 500, T 250	200	250	2	4	AC 230	AC 230	AC 230	30
985868	H 1000, B 500, T 250	280	350	2	4	AC 230	AC 230	AC 230	30
Rated operating time: 3 h									
985869	H 1000, B 500, T 250	180	225	2	4	AC 230	AC 230	AC 230	30
985871	H 1000, B 500, T 250	280	350	5	4	AC 230	AC 230	AC 230	30
985870	H 1000, B 500, T 250	200	250	5	4	AC 230	AC 230	AC 230	30
Rated operating time: 8 h									
985872	H 1000, B 500, T 250	70	88	2	4	AC 230	AC 230	AC 230	30
985873	H 1000, B 500, T 250	150	188	5	4	AC 230	AC 230	AC 230	30

Extensions

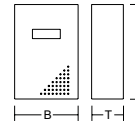
Connection option for external bus network monitors

985884	Terminal for connecting external bus network monitors	30
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Low Power Supply (LPS) | RZB LUXIFAIR QUATTRO light

Type of protection: IP 20
Protection class: I

Housing: support elements made of galvanized sheet steel; cover made of sheet steel, powder coated. Type of installation: wall surface mounting. Cable entry from above. Batteries included.



Available colour: white aluminium (RAL 9006)

Reference number	Dimensions [mm]	Power [W]	Power [VA]	Charging current [A]	Number of circuits	Output voltage mains [V]	Output voltage emergency local [V]	Output voltage emergency global [V]	Price Category
Low Power Supply (LPS)									
Rated operating time: 1 h									
985874	H 610, B 410, T 205	200	250	2	4	AC 230	AC 230	AC 230	30
985875	H 610, B 410, T 205	280	350	2	4	AC 230	AC 230	AC 230	30
Rated operating time: 3 h									
985876	H 610, B 410, T 205	180	225	2	4	AC 230	AC 230	AC 230	30
985878	H 880, B 410, T 205	280	350	5	4	AC 230	AC 230	AC 230	30
985877	H 880, B 410, T 205	200	250	5	4	AC 230	AC 230	AC 230	30
Rated operating time: 8 h									
985879	H 610, B 410, T 205	70	88	2	4	AC 230	AC 230	AC 230	30
985880	H 880, B 410, T 205	150	188	5	4	AC 230	AC 230	AC 230	30

Extensions

Connection option for external bus network monitors

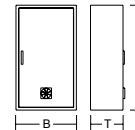
985884	Terminal for connecting external bus network monitors	30
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Low Power Supply (LPS) | RZB LUXIFAIR QUATTRO E30

Type of protection: IP 54
Protection class: I

System installed in the fire protection distributor with E30 functional integrity.

Quattro housing: support elements made of galvanized sheet steel; cover made of plastic. Type of installation: wall surface mounting. Cable entry from above. Batteries included.



With general type approval Z-86.2-76.

Available colour: light grey (RAL 7035)

Reference number	Dimensions [mm]	Power [W]	Power [VA]	Charging current [A]	Number of circuits	Output voltage mains [V]	Output voltage emergency local [V]	Output voltage emergency global [V]	Price Category
Low Power Supply (LPS)									
Rated operating time: 1 h									
985881	H 1178, B 678, T 365	280	350	2	4	AC 230	AC 230	AC 230	30
Rated operating time: 3 h									
985882	H 1178, B 678, T 365	180	225	2	4	AC 230	AC 230	AC 230	30
Rated operating time: 8 h									
985883	H 1178, B 678, T 365	70	88	2	4	AC 230	AC 230	AC 230	30



Extensions

Fan

985899	Additional fan for E30 cabinet	30
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Connection option for external bus network monitors

985884	Terminal for connecting external bus network monitors	30
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Accessories

PC software

985540	PC software PROvisu for visualisation	30
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Log book

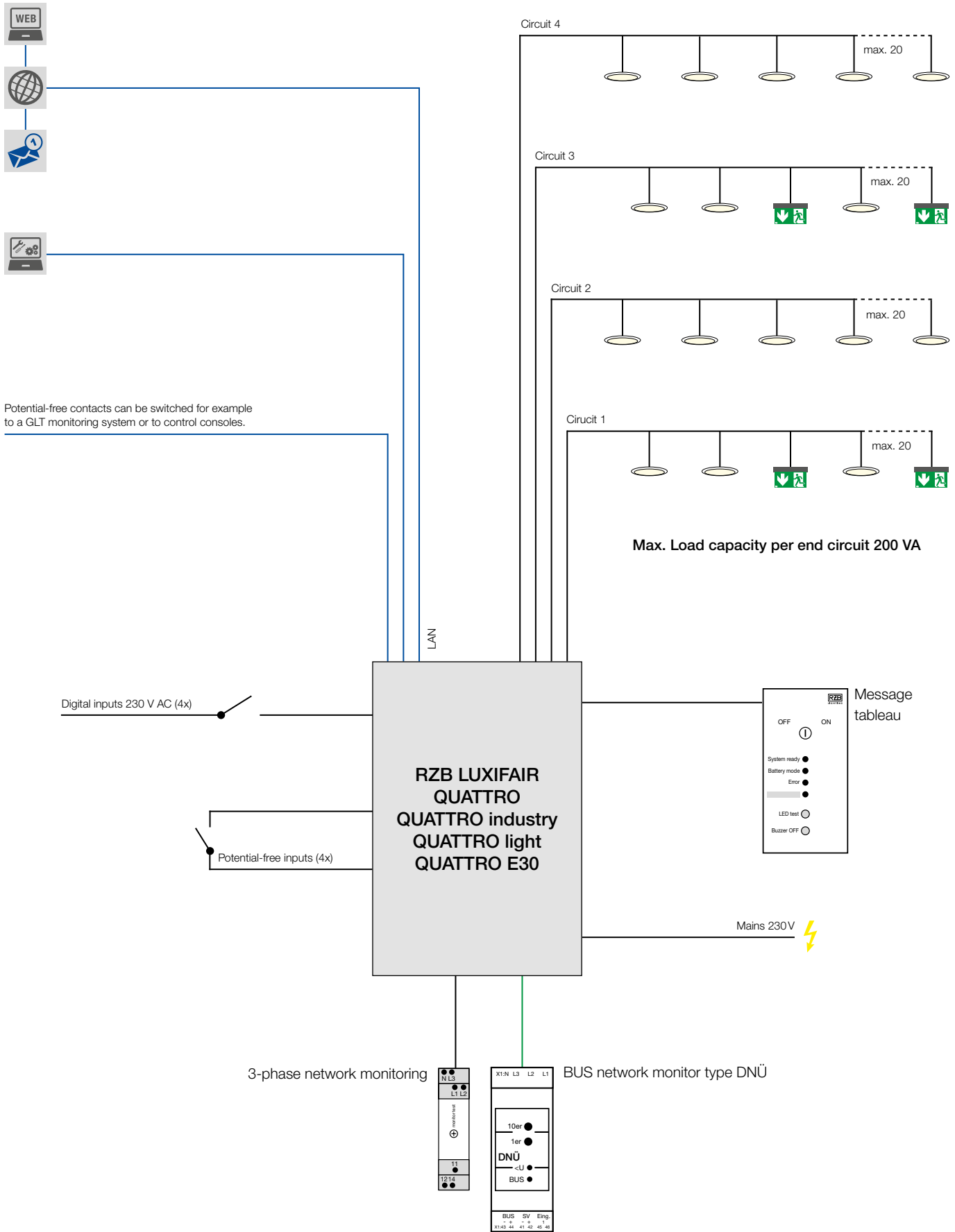
985578	without USB stick	30
985578.1	with USB stick	30

Circuit designation plates

99350.3	Circuit designation plate, 3-part, 10 pcs on sheet	24
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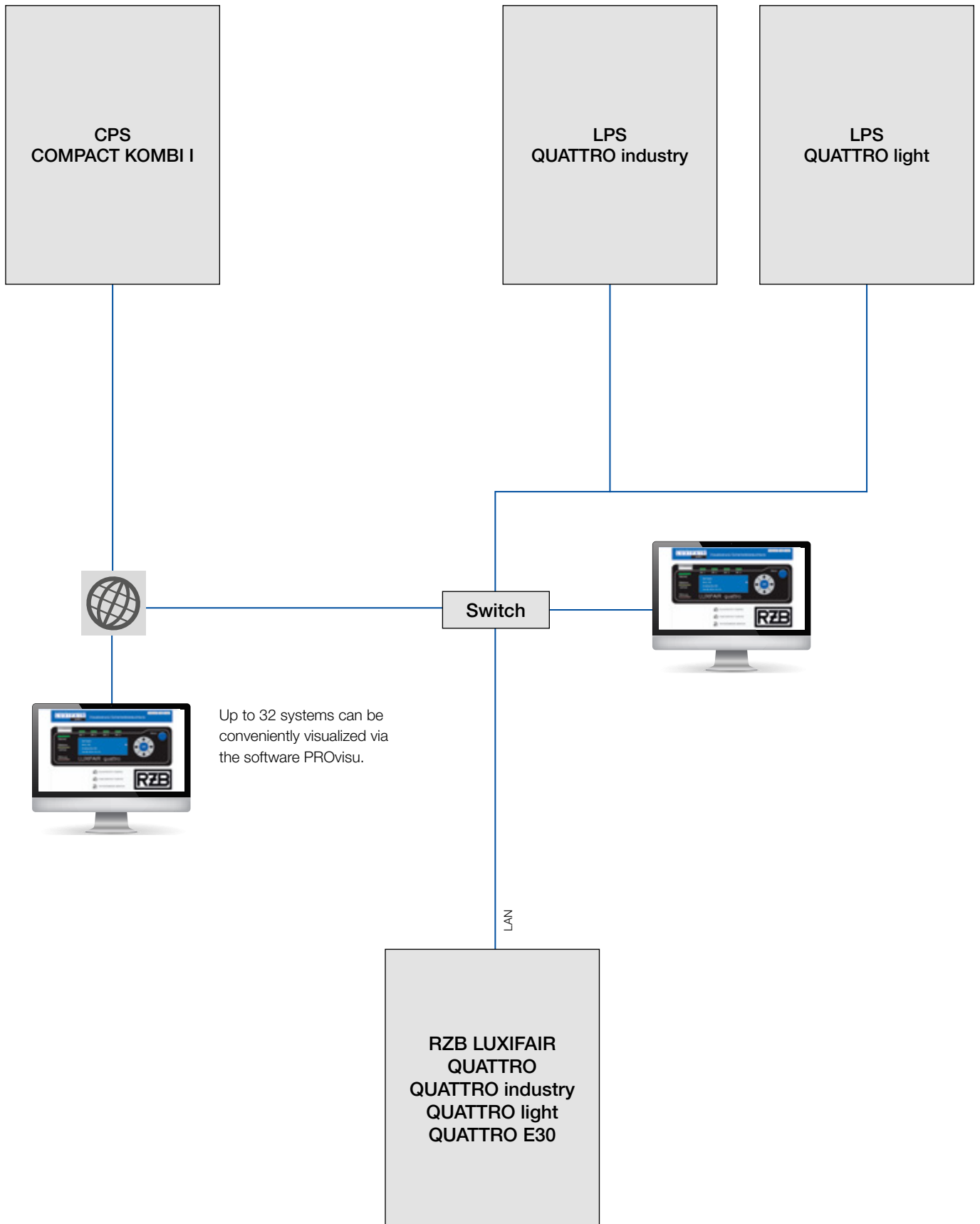
Modules and components as well as further accessories can be found from page 90

Circuit diagramm
Standard



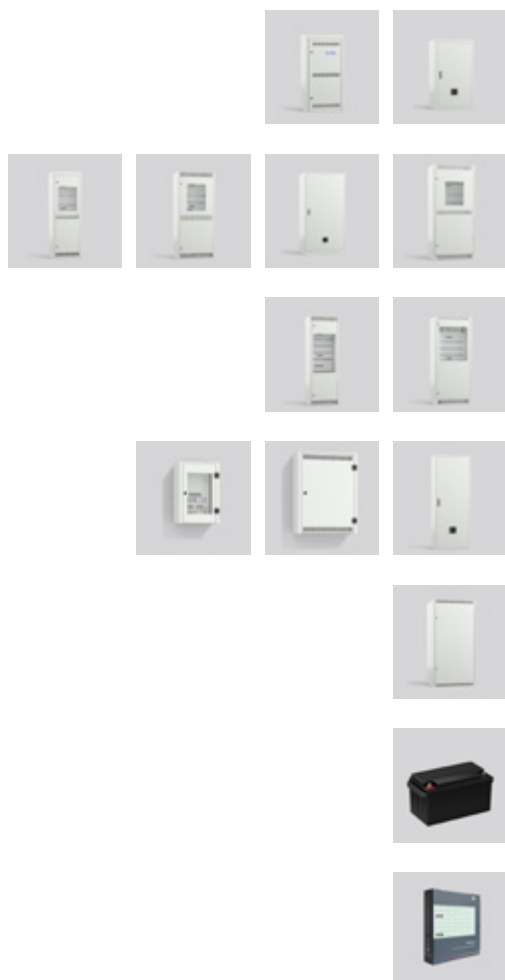
Circuit diagramm

Networking with other low power or central power systems





GSUN S
DEECOS S
LESS IS MORE 27



LUXIFAIR KV 2000
60

LUXIFAIR COMPACT KOMBI
66

LUXIFAIR COMPACT
74

Subdistribution board
80

Battery cabinets
84

Batteries
88

Accessories
90

CENTRAL POWER SUPPLY (CPS)


















RZB LUXIFAIR **central battery systems (CPS)** are central supply and monitoring systems for emergency lighting.

In the event of a power failure, the system supply those connected luminaires to enable safe exit from a building, even if the general lighting has failed.

Through continuous power supply monitoring of the system and the connected luminaires, the readiness for use of the emergency lighting system is ensured.

Thanks to the wide range of accessories and modules the RZB LUXIFAIR systems can be customized and adapted to the respective project requirements very easily.

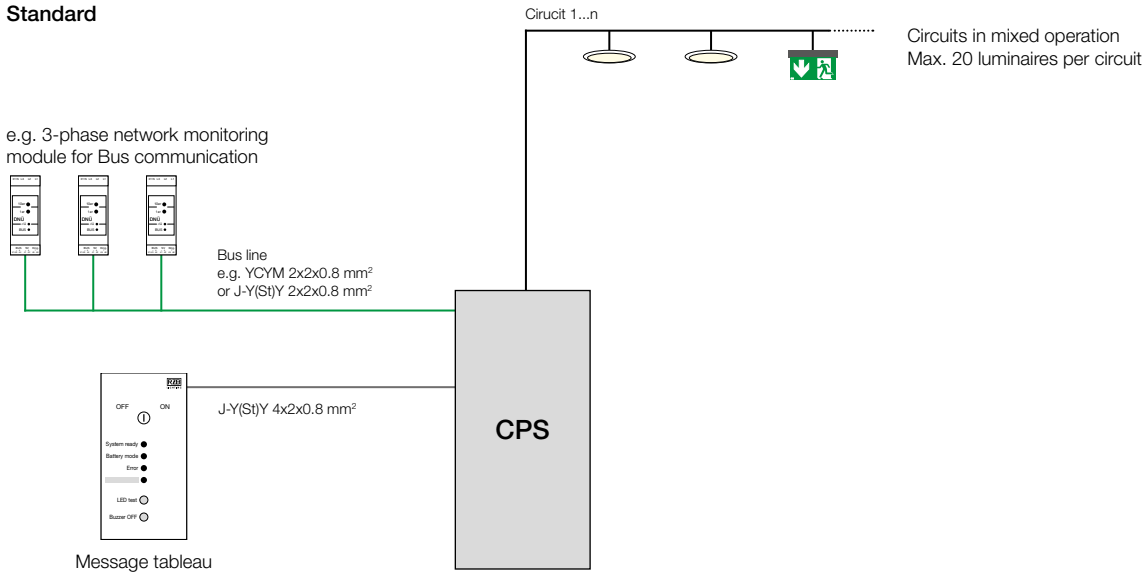


System overview RZB LUXIFAIR	KV 2000	KV 2000/E30
Switching power AC	2000 VA	2000 VA
Max. possible switching power AC	2000 VA	2000 VA
Switching power DC	2000 W	2000 W
Max. possible switching power DC	2000 W	2000 W
Charging current	2 A	2 A
Max. possible charging current	2 A	2 A
Max. number of final circuits	20	20
Sub-distribution possible	-	-
Max. battery capacity	17 Ah	17 Ah
Modules and components		
 3-phase network monitoring module	✓	✓
 3-phase network monitoring module for Bus communication	✓	✓
 Message tableau	✓	✓
 Message tableau Mikro, for surface installation	✓	✓
 Message tableau Mikro, for recessed installation	✓	✓
 E-Switch - electronic changeover switch for installation in luminaires	✓	✓
 UE-DIM - electronic changeover switch for dimming operation	✓	✓
 AC-Control - address module for single luminaire monitoring in mixed mode	✓	✓
 AC-Control DALI - address module for single luminaire monitoring in mixed mode	✓	✓
 BACnet-Gateway - bus connection module	✓	-
 KNX-Gateway - bus connection module	✓	-
 Modbus-Gateway - bus connection module	✓	-
 WEB module for visualisation via TCP/IP	✓	✓
 IOM 230 - switch sensor module 230 V	✓	✓
 IOM 24 - switch sensor module 24 V	✓	✓
 MEM module - input/output module with tenant power feed	✓	-
 DEHNgard M - surge arrester	-	-

Information on the modules and components can be found from page 93

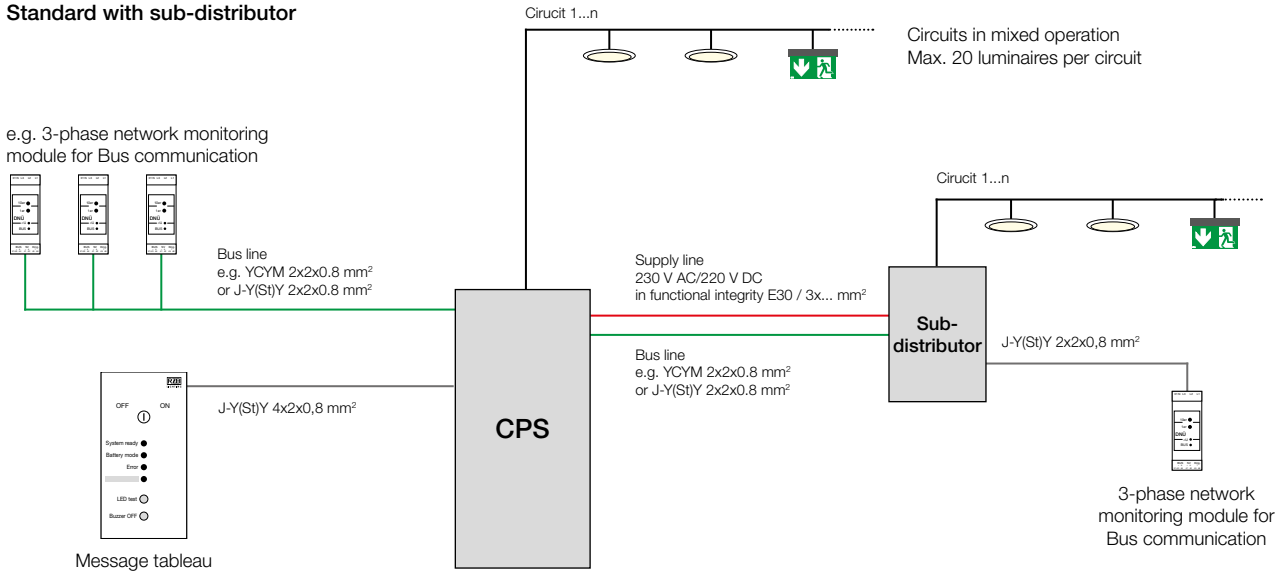
Circuit diagramm

Standard



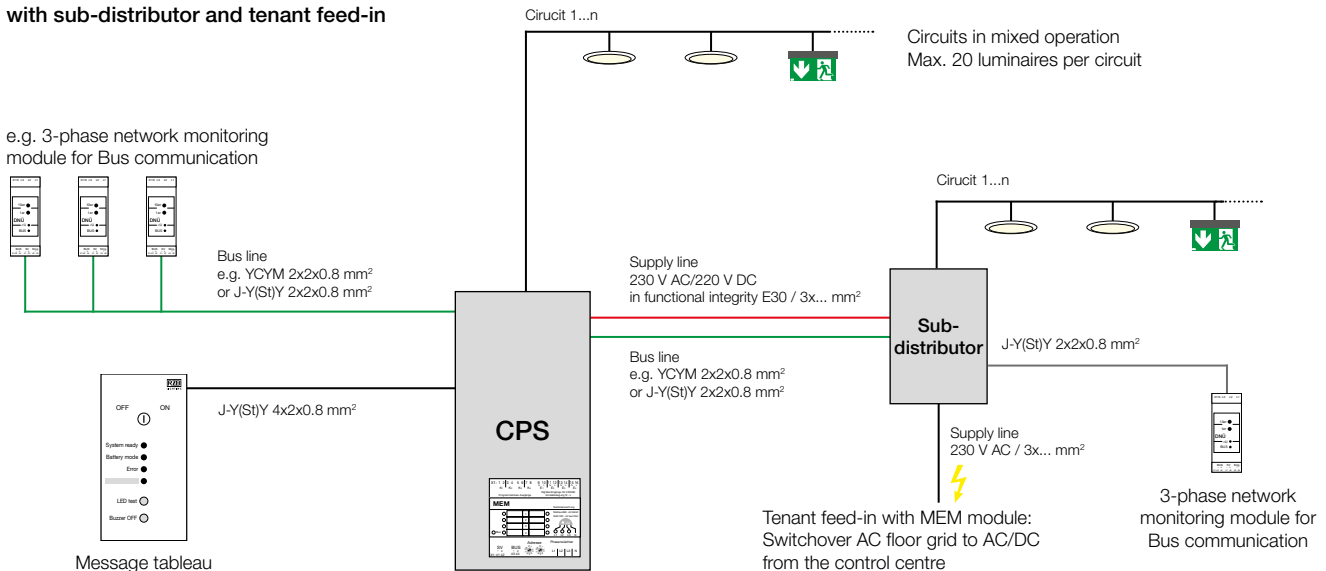
Circuit diagramm

Standard with sub-distributor

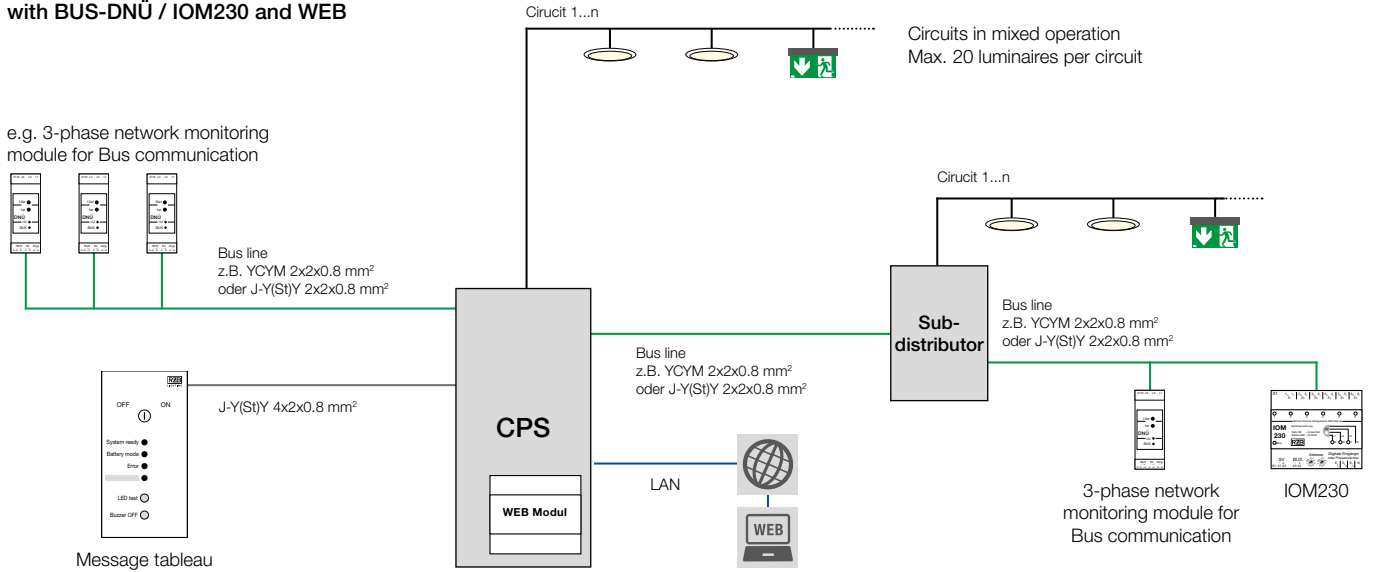


Circuit diagramm

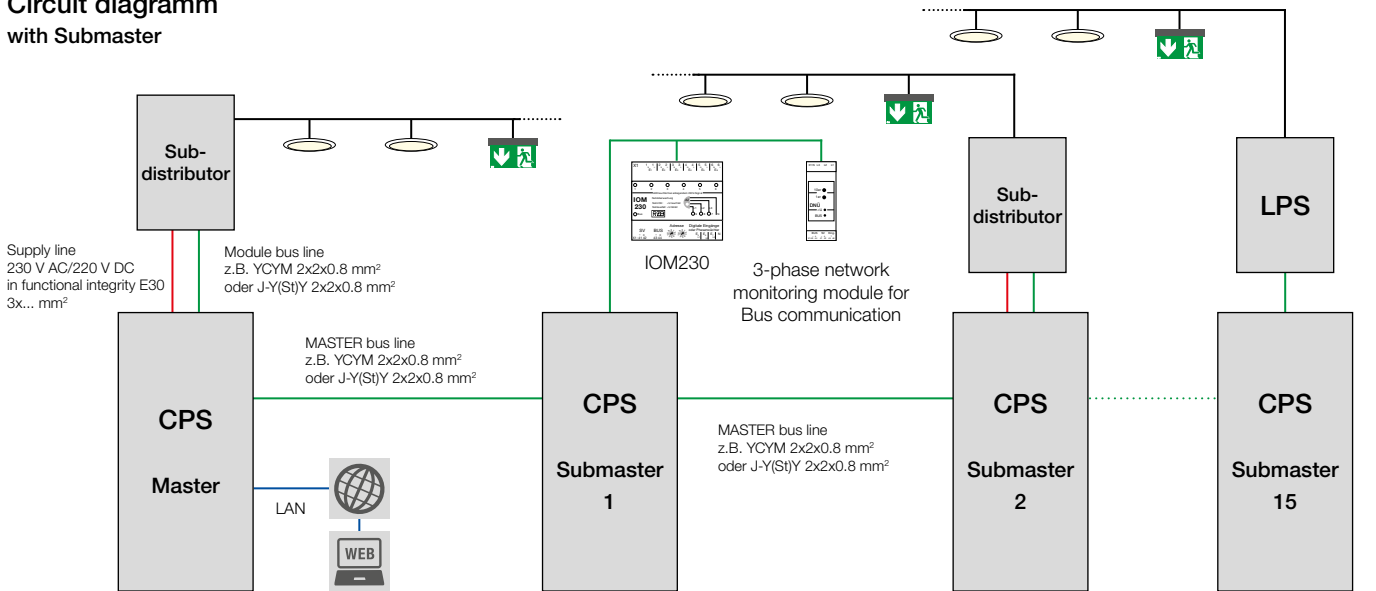
with sub-distributor and tenant feed-in



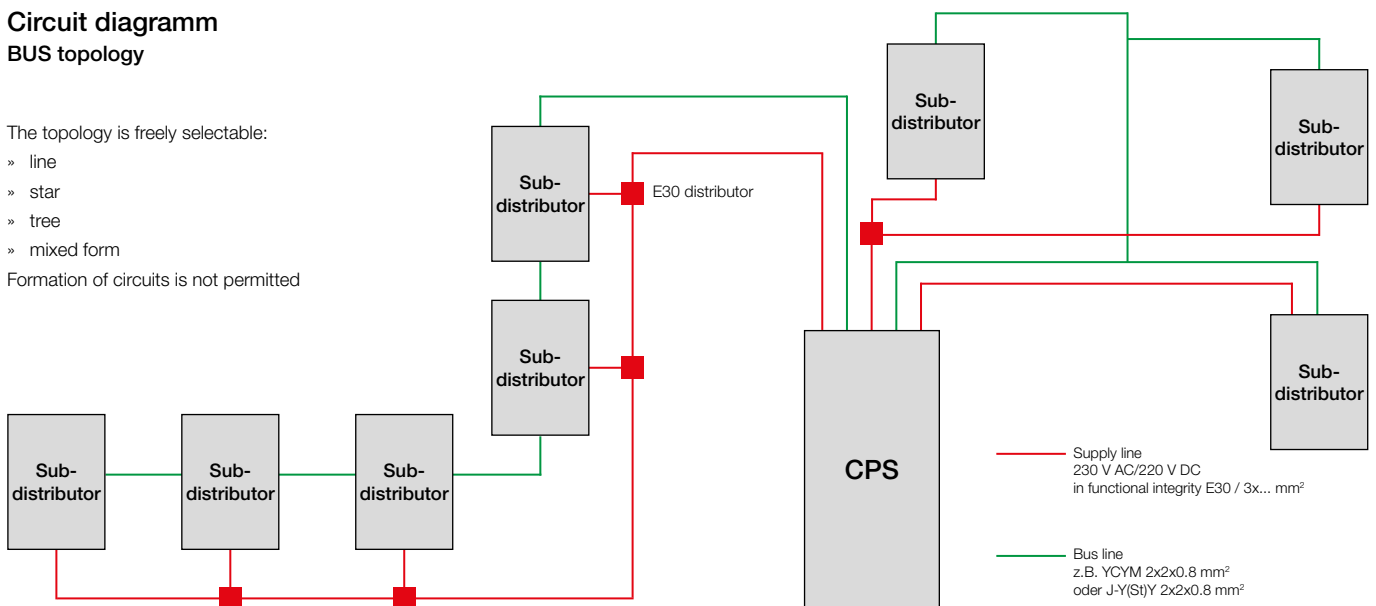
Circuit diagramm with BUS-DNÜ / IOM230 and WEB



Circuit diagramm with Submaster



Circuit diagramm BUS topology



Circuit diagramm

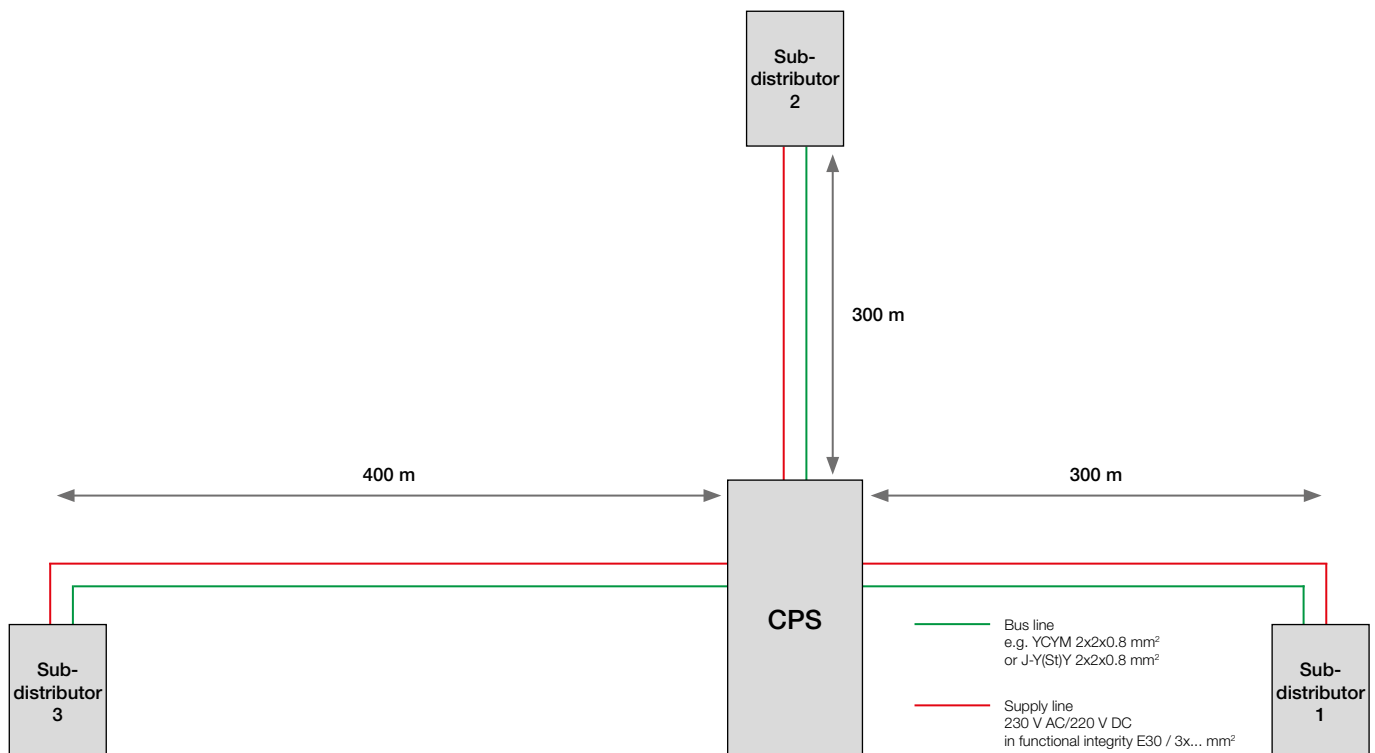
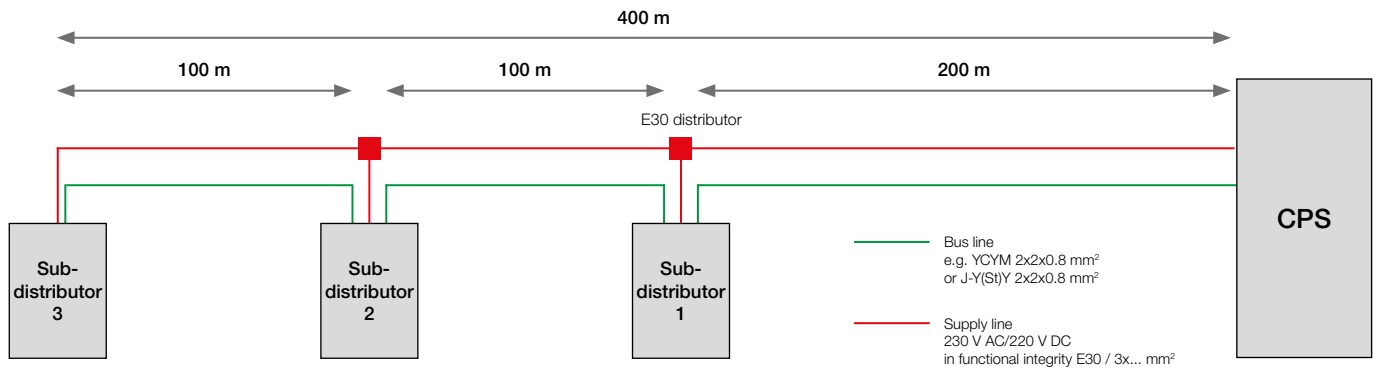
BUS distances and power lengths

Max. distance from sub-distributor to central power supply (CPS): 400 m (when using a BUS counter feed: max. 800 m)

Max. distance from sub-distributor to sub-distributor: 700 m

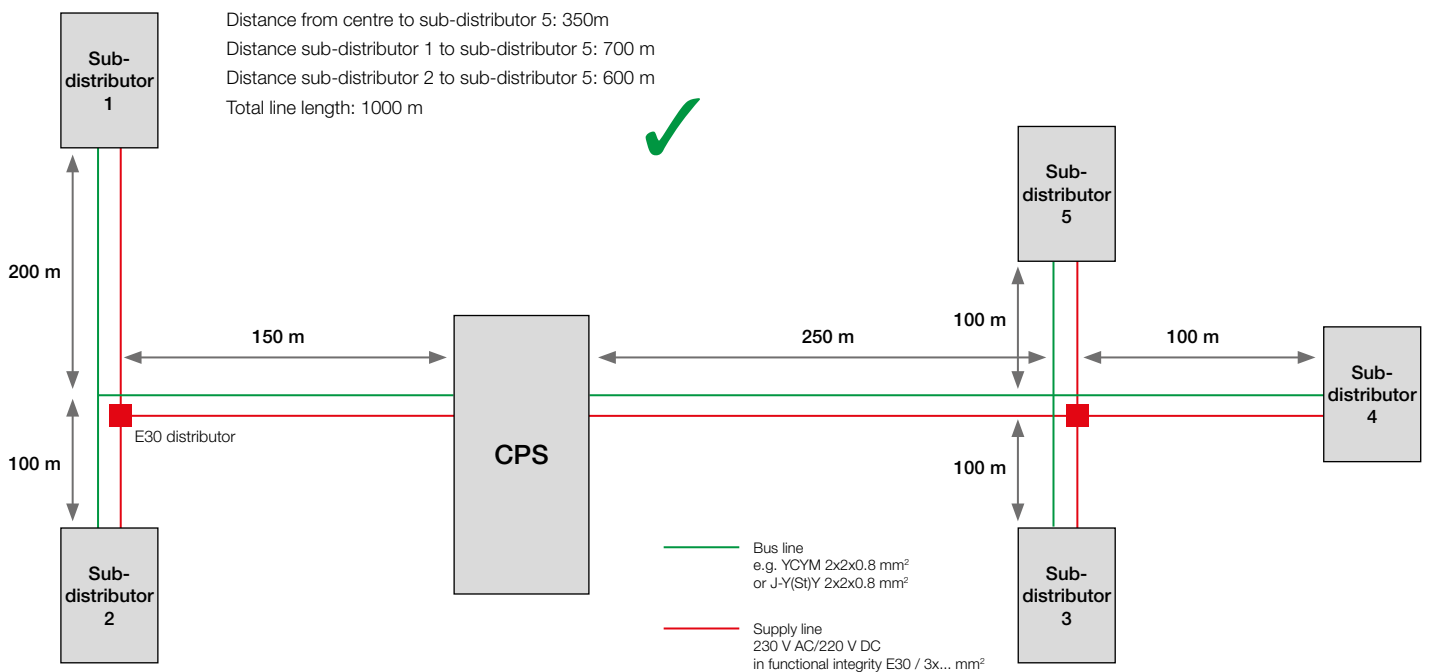
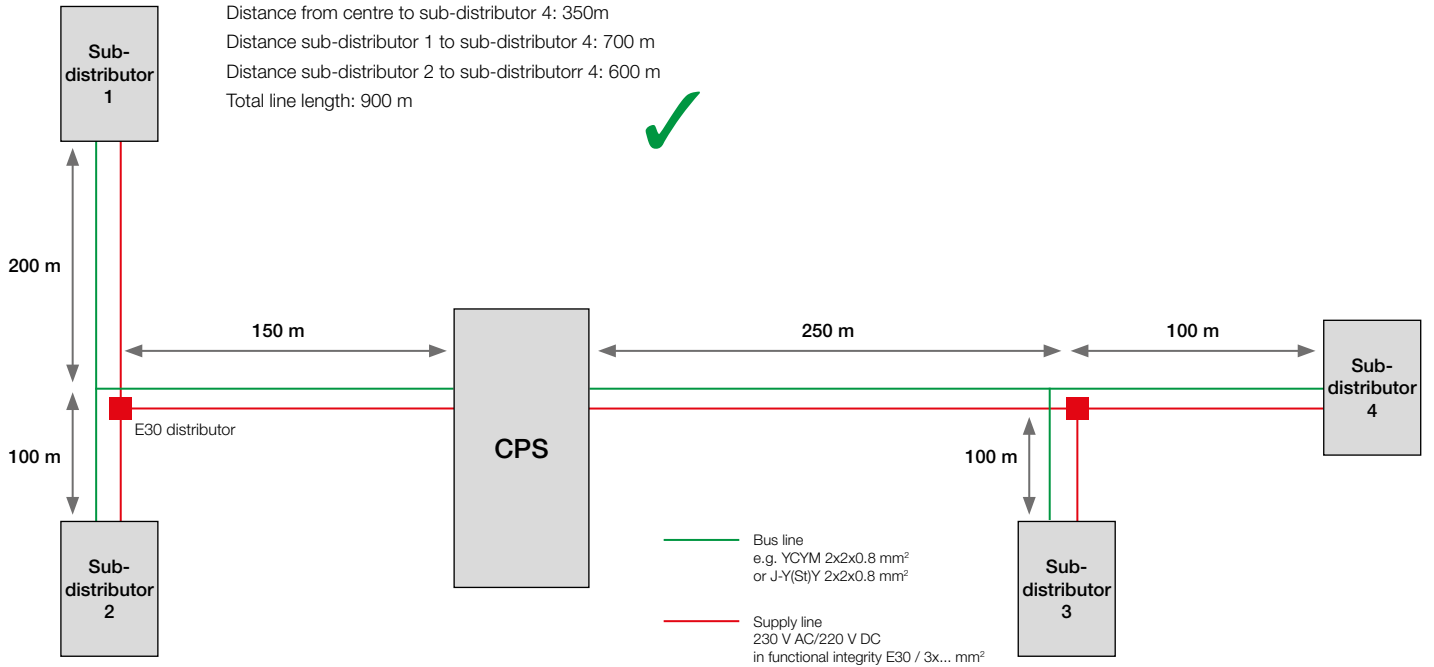
Max. total line length: 1000 m

Max. modules: 99



Circuit diagramm

BUS distances and power lengths | examples





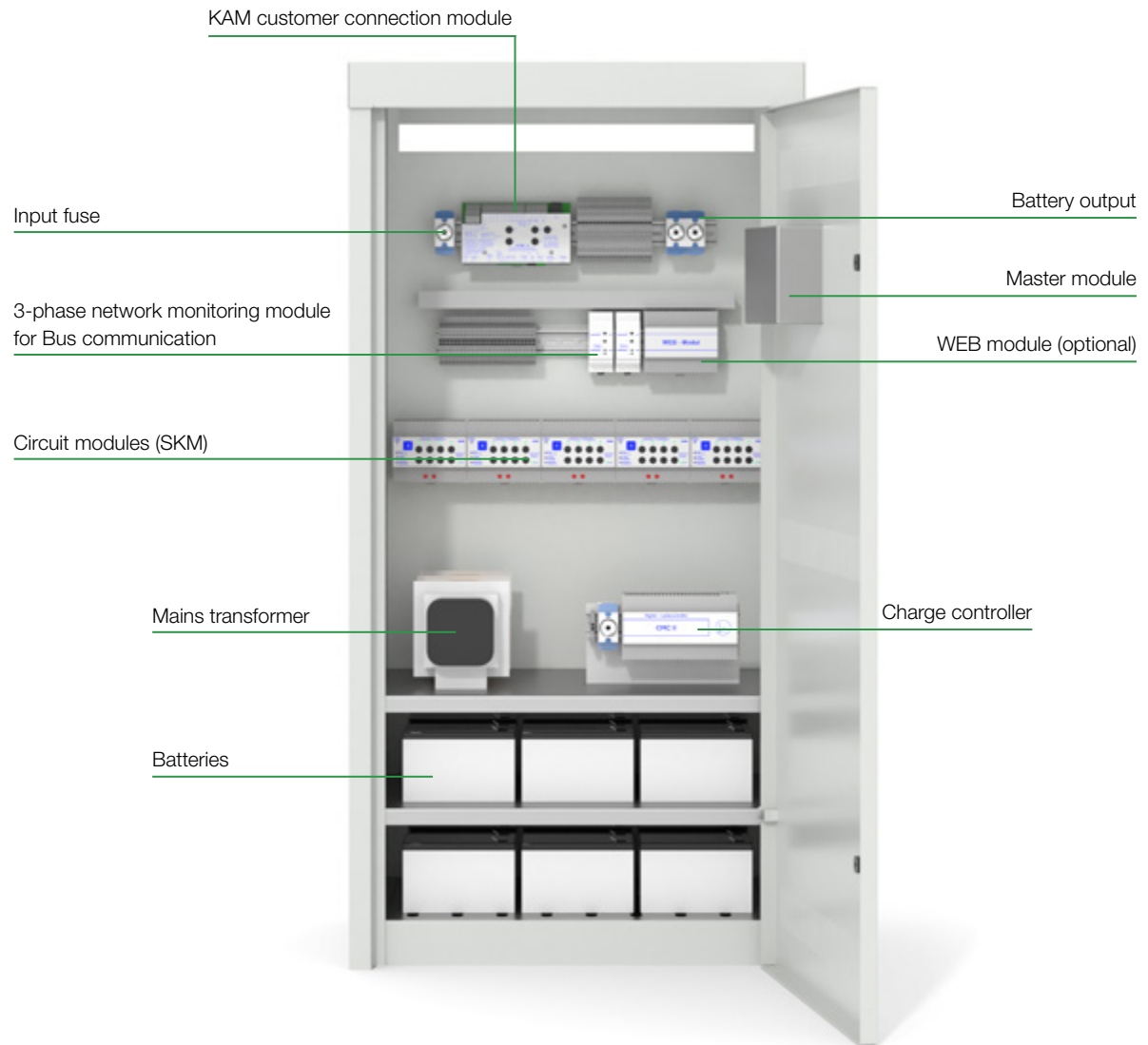
RZB LUXIFAIR KV 2000

Central battery systems (CPS)

- Fully automated, processor-controlled monitoring system.
- For powers up to 2,000 W.
- Simple scalability of the systems due to modular design.
- Combination cabinet for electronics and batteries.
- Suitable for stand or wall mounting.
- Prepared for installation in the optionally available E30 housing.
- Up to 20 final circuits.
- Automatic generation of detailed test record.
- Free choice of switching type per luminaire.
- Choice of single-luminaire monitoring in mixed operation mode or circuit monitoring per end circuit.
- No bus lines to the luminaire necessary due to Powerline communication.
- Programmable destination for each connected luminaire.
- Free programming software for commissioning the system via PC.
- Visualisation of connected system(s) via TCP/IP (optional).
- Made in Germany.

RZB LUXIFAIR KV 2000

Everything at a glance



Technical data

- Power up to 2000 W for 1 h rated operating time.
- Power up to 800 W for 3 h rated operating time.
- Power up to 350 W for 8 h rated operating time.
- Up to 20 output circuits to the luminaires.
- Automatic function test and endurance test with logging in the digital log book.
- Light switch position enquiry can optionally be outsourced to sub-distribution boards of the general lighting.
- Programming via PC possible.
- Integrated visualisation via web browser.
- Simultaneous monitoring of up to 32 LUXIFAIR systems is possible as an option.
- Individual single-luminaire monitoring or circuit monitoring possible.
- All switching types possible within one outgoing circuit (mixed operation).

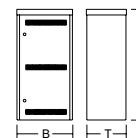


Central battery systems (CPS) | RZB LUXIFAIR KV 2000

Type of protection: IP 20

Protection class: I

The RZB LUXIFAIR KV 2000 is a central supply and monitoring system for emergency lighting. In case of a power failure, the system can supply luminaires up to an output of 2000 W for 1 hour or 800 W for 3 hours and even 350 W for 8 hours. The system is available with up to 20 output circuits, up to 20 luminaires per circuit. A location can be assigned for each luminaire, which is displayed in clear text in case of failure, to ensure clear localisation of the connected luminaires. Powerline communication is used for communication between the system and the luminaires. Bus lines to the luminaires are not necessary. The system can also exchange KNX, BACnet or Modbus data via the optionally available gateways. Monitoring via TCP/IP with e-mail sending in case of failure is also optionally available. Up to 32 systems from the RZB LUXIFAIR series can be monitored together from a central location using the optional PROvisu software. Switching operations can be triggered via the series-standard digital inputs and messages can be forwarded to a superordinate GLT or a message and switchboard via the isolated changeover relay. The RZB LUXIFAIR KV 2000 is suitable for lead-acid batteries with a capacity of up to 17 Ah.



Available colour: light grey (RAL 7035)

Reference number	Dimensions [mm]	max. switching power [W]	max. switching power [VA]	Charging current [A]	Number of circuits	Output voltage mains [V]	Output voltage emergency local [V]	Output voltage emergency global [V]	Price Category
Central power supply (CPS)									
985481	H 1200, B 600, T 430	2000	2000	2	4	AC 230	AC 230	DC 216	30
985482	H 1200, B 600, T 430	2000	2000	2	8	AC 230	AC 230	DC 216	30
985483	H 1200, B 600, T 430	2000	2000	2	12	AC 230	AC 230	DC 216	30
985484	H 1200, B 600, T 430	2000	2000	2	16	AC 230	AC 230	DC 216	30
985485	H 1200, B 600, T 430	2000	2000	2	20	AC 230	AC 230	DC 216	30

Battery sets (Design life according to Eurobat is 10–12 years.)

67000.0.158SET	18 x Pb battery 12V/17Ah, Power incl. 25% ageing: 2102 W / 1h, 820 W / 3h, 331 W / 8h	30
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Extensions

Empty space for circuit module (SKM)

985848	Empty space for circuit module (SKM), pre-wired	30
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Power supply for external modules

985847	Additional power supply for external modules	30
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Temperature sensor for temperature-controlled charging

985854	Temperature sensor for temperature-controlled charging Typ PT100	30
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Accessories

Drip trays

985823	Drip tray for cabinets (W x D) 600 x 430 mm	30
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PC software

985540	PC software PROvisu for visualisation	30
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Log book

985578	without USB stick	30
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985578.1	with USB stick	30
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Circuit designation plates

99350.3	Circuit designation plate, 3-part, 10 pcs on sheet	24
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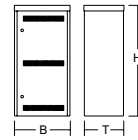
Central battery systems (CPS) | RZB LUXIFAIR KV 2000/E30

Type of protection: IP 20
Protection class: I

The RZB LUXIFAIR KV 2000/E30 is a central supply and monitoring system for emergency lighting that is prepared for installation in a separately available E30 fire protection housing. In case of a power failure, the system can supply luminaires up to an output of 2000 W for 1 hour or 800 W for 3 hours and even 350 W for 8 hours. The system is available with up to 20 output circuits, up to 20 luminaires per circuit. A location can be assigned for each luminaire, which is displayed in clear text in case of failure, to ensure clear localisation of the connected luminaires. Powerline communication is used for communication between the system and the luminaires. Bus lines to the luminaires are not necessary. The system can also exchange KNX, BACnet or Modbus data via the optionally available gateways. Monitoring via TCP/IP with e-mail sending in case of failure is also optionally available. Up to 32 systems from the RZB LUXIFAIR series can be monitored together from a central location using the optional PProvisu software. Switching operations can be triggered via the series-standard digital inputs and messages can be forwarded to a superordinate GLT or a message and switchboard via the isolated changeover relay. To comply with the allgemeine bauaufsichtliche Zulassung (national technical approval) Z-86.2-76, the separately available approved RZB E30 fire protection housing and the approved batteries must be used.

The KV2000/E30 is prepared for installation in a separately available E30 fire protection housing. The housing is not included in the scope of delivery and must be ordered separately (E30 fire protection housing art. no. 985619).

Available colour: light grey (RAL 7035)



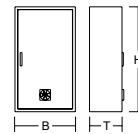
Reference number	Dimensions [mm]	max. switching power [W]	max. switching power [VA]	Charging current [A]	Number of circuits	Output voltage mains [V]	Output voltage emergency local [V]	Output voltage emergency global [V]	Price Category
Central power supply (CPS)									
985637	H 1200, B 600, T 430	2000	2000	2	4	AC 230	AC 230	DC 216	30
985638	H 1200, B 600, T 430	2000	2000	2	8	AC 230	AC 230	DC 216	30
985639	H 1200, B 600, T 430	2000	2000	2	12	AC 230	AC 230	DC 216	30
985640	H 1200, B 600, T 430	2000	2000	2	16	AC 230	AC 230	DC 216	30
985641	H 1200, B 600, T 430	2000	2000	2	20	AC 230	AC 230	DC 216	30

Accessories | Fire protection housing E30

Type of protection: IP 54

Tested and approved floor-standing housing for E30 functional integrity.
With general type approval Z-86.2-76.

Available colour: light grey (RAL 7035)



Fire protection housing E30									
985619	L 575, B 828, H 1428	E30 fire protection housing for RZB LUXIFAIR KV2000/E30							30


Battery sets (Design life according to Eurobat is 10–12 years.)

67000.0.282SET	18 x Pb battery 12V/18Ah, Power incl. 25% ageing: 2024 W / 1h, 818 W / 3h, 350 W / 8h	30
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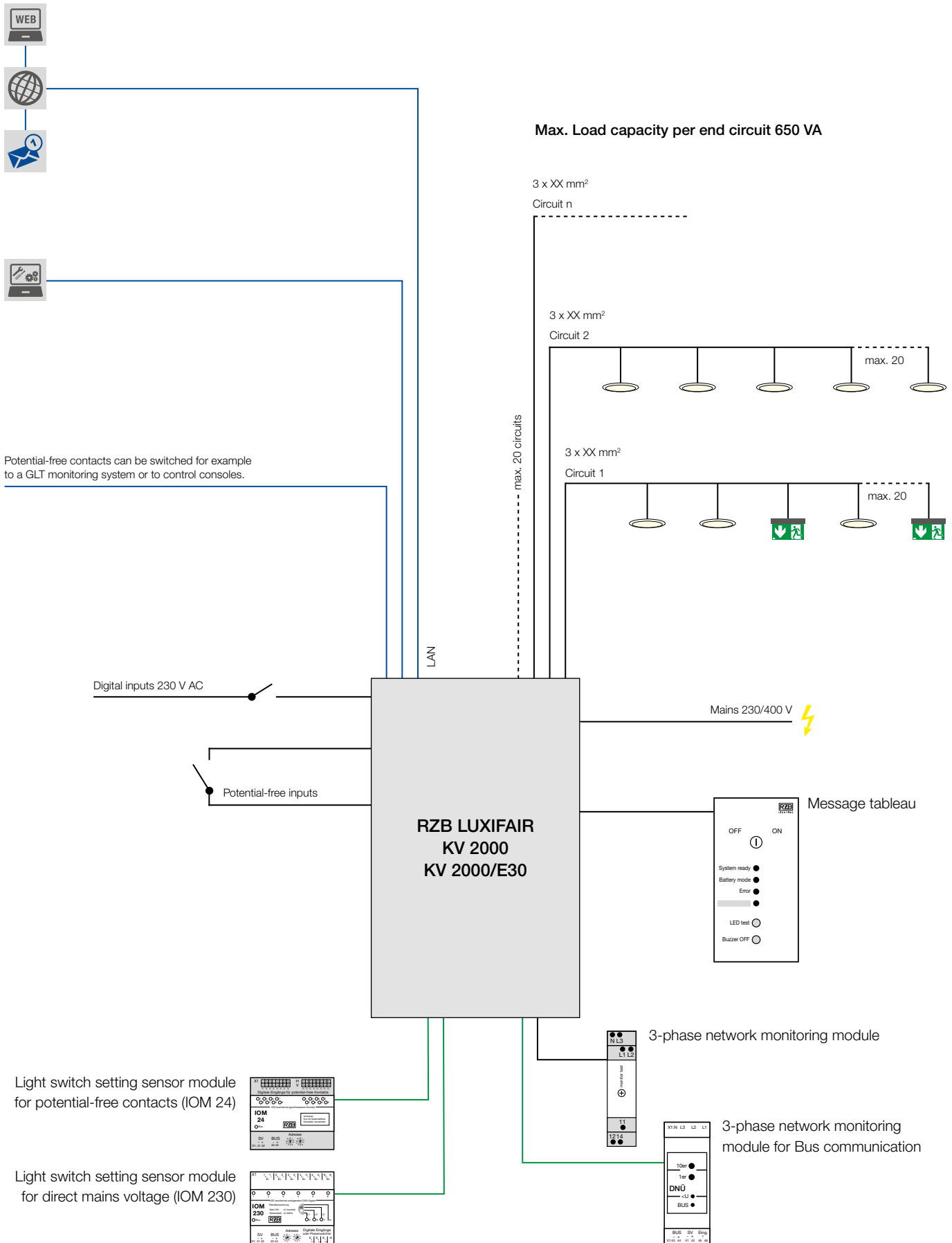
Extensions

Empty space for circuit module (SKM)		
985848	Empty space for circuit module (SKM), pre-wired	30
Power supply for external modules		
985847	Additional power supply for external modules	30
Temperature sensor for temperature-controlled charging		
985854	Temperature sensor for temperature-controlled charging Typ PT100	30

Accessories

PC software		
985540	PC software PProvisu for visualisation	30
Log book		
985578	without USB stick	30
985578.1	with USB stick	30
Circuit designation plates		
99350.3	Circuit designation plate, 3-part, 10 pcs on sheet	24

Circuit diagram
Standard







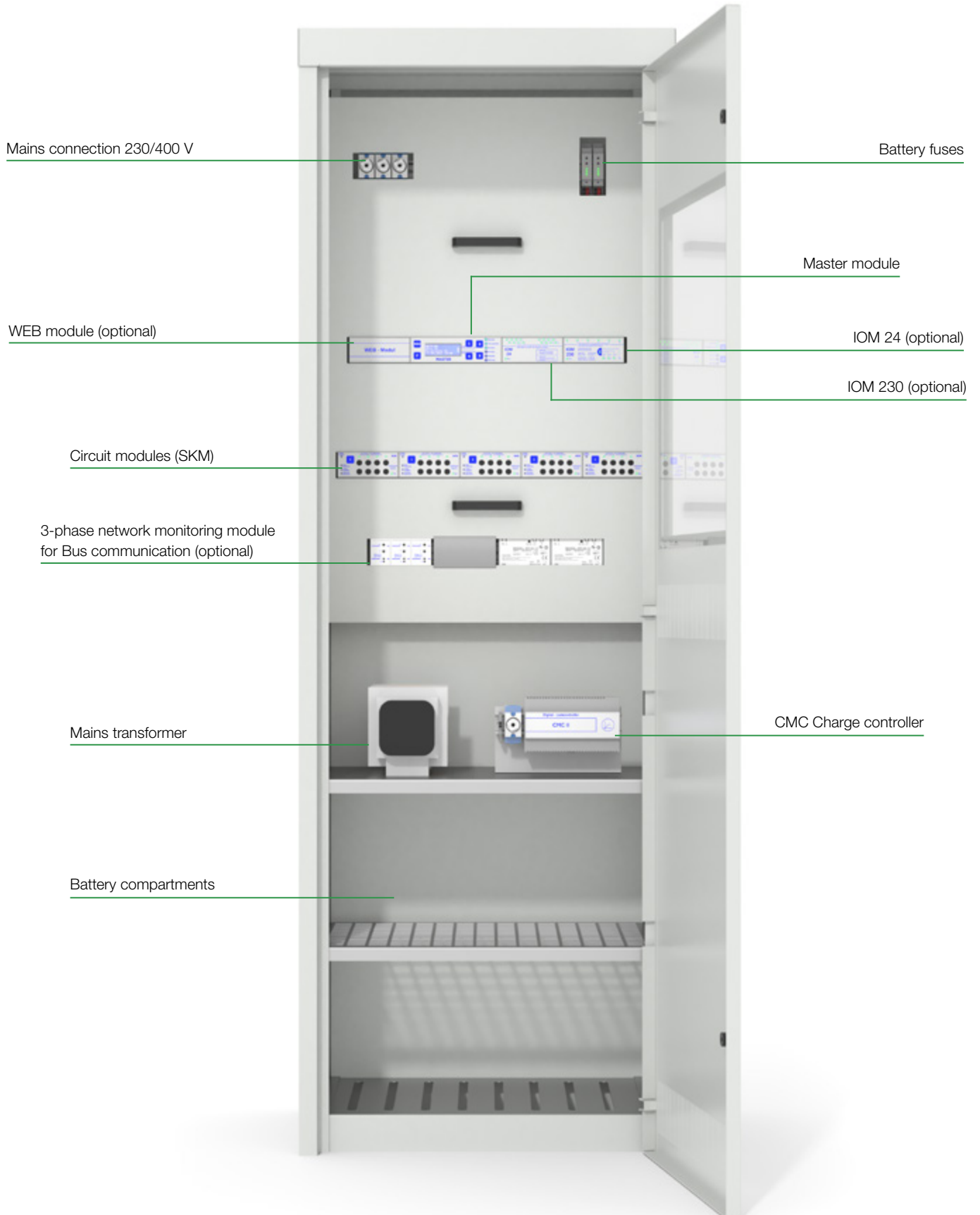
RZB LUXIFAIR COMPACT KOMBI

Central battery systems (CPS)

- Fully automated, processor-controlled monitoring system.
- For powers up to 9,200 W.
- Simple scalability of the systems due to modular design.
- Combination cabinet for electronics and batteries.
- Prepared for installation in the optionally available E30 housing.
- Up to 2 outlets for sub-distributors.
- Automatic generation of detailed test record.
- Free choice of switching type per luminaire.
- Choice of single-luminaire monitoring in mixed operation mode or circuit monitoring per end circuit.
- No bus lines to the luminaire necessary due to Powerline communication.
- Programmable destination for each connected luminaire.
- Free programming software for commissioning the system via PC.
- Visualisation of connected system(s) via TCP/IP (optional).
- Various modules for interfaces to building management systems optionally available.
- Standard built-in socket for e.g. laptops.
- Made in Germany.

RZB LUXIFAIR COMPACT KOMBI

Everything at a glance



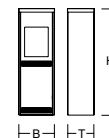


Central battery systems (CPS) | RZB LUXIFAIR COMPACT KOMBI I

Type of protection: IP 20

Protection class: I

The RZB LUXIFAIR COMPACT KOMBI I is a central supply and monitoring system for emergency lighting. In case of a power failure, the system can supply luminaires up to an output of 5,200 W. The system is available with up to 28 output circuits, up to 20 luminaires per circuit. A location can be assigned for each luminaire, which is displayed in clear text in case of failure, to ensure clear localisation of the connected luminaires. Powerline communication is used for communication between the system and the luminaires. Bus lines to the luminaires are not necessary. The system can also exchange KNX, BACnet or Modbus data via the optionally available gateways. Monitoring via TCP/IP with e-mail sending in case of failure is also optionally available. Up to 32 systems from the RZB LUXIFAIR series can be monitored together from a central location using the optional PProvisu software. Switching operations can be triggered via the series-standard digital inputs and messages can be forwarded to a superordinate GLT or a message and switchboard via the isolated changeover relay. The COMPACT KOMBI can also be supplied with up to 2 outputs for subdistribution boards and with additional optional fittings.



Available colour: light grey (RAL 7035)

Reference number	Dimensions [mm]	max. switching power [W]	max. switching power [VA]	Charging current [A]	Number of circuits	Output voltage mains [V]	Output voltage emergency local [V]	Output voltage emergency global [V]	Price Category
Central power supply (CPS)									
985652	H 1800, B 600, T 450	5200	5200	2	4	AC 230	AC 230	DC 216	30
985653	H 1800, B 600, T 450	5200	5200	2	8	AC 230	AC 230	DC 216	30
985654	H 1800, B 600, T 450	5200	5200	2	12	AC 230	AC 230	DC 216	30
985655	H 1800, B 600, T 450	5200	5200	2	16	AC 230	AC 230	DC 216	30
985656	H 1800, B 600, T 450	5200	5200	2	20	AC 230	AC 230	DC 216	30
985657	H 1800, B 600, T 450	5200	5200	2	24	AC 230	AC 230	DC 216	30
985658	H 1800, B 600, T 450	5200	5200	2	28	AC 230	AC 230	DC 216	30

Battery sets (Design life according to Eurobat is 10–12 years.)

67000.0.298SET	18 x Pb battery 12V/12Ah, Power incl. 25% ageing: 1280 W / 1h, 528 W / 3h, 238 W / 8h	30
67000.0.158SET	18 x Pb battery 12V/17Ah, Power incl. 25% ageing: 2102 W / 1h, 820 W / 3h, 331 W / 8h	30
67000.0.94SET*	18 x Pb battery 12V/24Ah, Power incl. 25% ageing: 2736 W / 1h, 1094 W / 3h, 475 W / 8h	30

* Can only be used with 600 mm cabinet depth.

Extensions

Output for subdistribution boards

985863	Additional terminal for output to subdistribution board, installed in RZB LUXIFAIR central battery system	30
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Charging transformers

985856	Charging transformer, 5 A	30
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Empty space for circuit module (SKM)

985848	Empty space for circuit module (SKM), pre-wired	30
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Cabinet depth 600 mm

985839	Cabinet depth 600 mm	30
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Power supply for external modules

985847	Additional power supply for external modules	30
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Temperature sensor for temperature-controlled charging

985854	Temperature sensor for temperature-controlled charging Typ PT100	30
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Switch units

985860	Switch unit 9,200 VA	30
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Accessories

Drip trays

985824	Drip tray for cabinets (W x D) 600 x 450 mm	30
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PC software

985540	PC software PROvisu for visualisation	30
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Log book

985578	without USB stick	30
985578.1	with USB stick	30

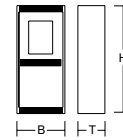
Circuit designation plates

99350.3	Circuit designation plate, 3-part, 10 pcs on sheet	24
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Central battery systems (CPS) | RZB LUXIFAIR COMPACT KOMBI II

Type of protection: IP 20
Protection class: I

The RZB LUXIFAIR COMPACT KOMBI I is a central supply and monitoring system for emergency lighting. In case of a power failure, the system can supply luminaires up to an output of 5,200 W. The system is available with up to 48 output circuits, up to 20 luminaires per circuit. A location can be assigned for each luminaire, which is displayed in clear text in case of failure, to ensure clear localisation of the connected luminaires. Powerline communication is used for communication between the system and the luminaires. Bus lines to the luminaires are not necessary. The system can also exchange KNX, BACnet or Modbus data via the optionally available gateways. Monitoring via TCP/IP with e-mail sending in case of failure is also optionally available. Up to 32 systems from the RZB LUXIFAIR series can be monitored together from a central location using the optional PProvisu software. Switching operations can be triggered via the series-standard digital inputs and messages can be forwarded to a superordinate GLT or a message and switchboard via the isolated changeover relay. The COMPACT KOMBI I can also be supplied with up to 2 outputs for subdistribution boards and with additional optional fittings. The COMPACT KOMBI II can also be supplied with up to 2 outputs for subdistribution boards and with additional optional fittings.



Available colour: light grey (RAL 7035)

Reference number	Dimensions [mm]	max. switching power [W]	max. switching power [VA]	Charging current [A]	Number of circuits	Output voltage mains [V]	Output voltage emergency local [V]	Output voltage emergency global [V]	Price Category
Central power supply (CPS)									
985659	H 1800, B 800, T 450	5200	5200	2	4	AC 230	AC 230	DC 216	30
985660	H 1800, B 800, T 450	5200	5200	2	8	AC 230	AC 230	DC 216	30
985661	H 1800, B 800, T 450	5200	5200	2	12	AC 230	AC 230	DC 216	30
985662	H 1800, B 800, T 450	5200	5200	2	16	AC 230	AC 230	DC 216	30
985663	H 1800, B 800, T 450	5200	5200	2	20	AC 230	AC 230	DC 216	30
985664	H 1800, B 800, T 450	5200	5200	2	24	AC 230	AC 230	DC 216	30
985665	H 1800, B 800, T 450	5200	5200	2	28	AC 230	AC 230	DC 216	30
985666	H 1800, B 800, T 450	5200	5200	2	32	AC 230	AC 230	DC 216	30
985667	H 1800, B 800, T 450	5200	5200	2	36	AC 230	AC 230	DC 216	30
985668	H 1800, B 800, T 450	5200	5200	2	40	AC 230	AC 230	DC 216	30
985669	H 1800, B 800, T 450	5200	5200	2	44	AC 230	AC 230	DC 216	30
985670	H 1800, B 800, T 450	5200	5200	2	48	AC 230	AC 230	DC 216	30

Battery sets (Design life according to Eurobat is 10–12 years.)

67000.0.298SET	18 x Pb battery 12V/12Ah, Power incl. 25% ageing: 1280 W / 1h, 528 W / 3h, 238 W / 8h	30
67000.0.158SET	18 x Pb battery 12V/17Ah, Power incl. 25% ageing: 2102 W / 1h, 820 W / 3h, 331 W / 8h	30
67000.0.94SET*	18 x Pb battery 12V/24Ah, Power incl. 25% ageing: 2736 W / 1h, 1094 W / 3h, 475 W / 8h	30

* Can only be used with 600 mm cabinet depth.

Extensions
Output for subdistribution boards

985863	Additional terminal for output to subdistribution board, installed in RZB LUXIFAIR central battery system	30
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Charging transformers

985856	Charging transformer, 5 A	30
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Empty space for circuit module (SKM)

985848	Empty space for circuit module (SKM), pre-wired	30
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Cabinet depth 600 mm

985840	Cabinet depth 600 mm	30
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Power supply for external modules

985847	Additional power supply for external modules	30
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Temperature sensor for temperature-controlled charging

985854	Temperature sensor for temperature-controlled charging Typ PT100	30
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Switch units

985860	Switch unit 9,200 VA	30
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Accessories
Drip trays

985825	Drip tray for cabinets (W x D) 800 x 450 mm	30
985828	Drip tray for cabinets (W x D) 800 x 600 mm	30

PC software

985540	PC software PROvisu for visualisation	30
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Log book

985578	without USB stick	30
985578.1	with USB stick	30

Circuit designation plates

99350.3	Circuit designation plate, 3-part, 10 pcs on sheet	24
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Central battery systems (CPS) | RZB LUXIFAIR COMPACT KOMBI II/E30

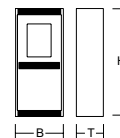
Type of protection: IP 20

Protection class: I

The RZB LUXIFAIR COMPACT KOMBI II E30 is a central supply and monitoring system for emergency lighting that is prepared for installation in a separately available E30 fire protection housing. In case of a power failure, the system can supply luminaires up to an output of 9,200 W. The system is available with up to 48 output circuits, up to 20 luminaires per circuit. A location can be assigned for each luminaire, which is displayed in clear text in case of failure, to ensure clear localisation of the connected luminaires. Powerline communication is used for communication between the system and the luminaires. Bus lines to the luminaires are not necessary. The system can also exchange KNX, BACnet or Modbus data via the optionally available gateways. Monitoring via TCP/IP with e-mail sending in case of failure is also optionally available. Up to 32 systems from the RZB LUXIFAIR series can be monitored together from a central location using the optional PROvisu software. Switching operations can be triggered via the series-standard digital inputs and messages can be forwarded to a superordinate GLT or a message and switchboard via the isolated changeover relay. The COMPACT KOMBI I can also be supplied with up to 2 outputs for subdistribution boards and with additional optional fittings. The COMPACT KOMBI II E30 can also be supplied with up to 2 outputs for subdistribution boards and with additional optional fittings. To comply with the allgemeine bauaufsichtliche Zulassung (national technical approval) Z-86.2-76, the separately available approved RZB E30 fire protection housing and the approved batteries must be used.

The COMPACT KOMBI II/E30 is prepared for installation in a separately available E30 fire protection housing. The housing is not included in the scope of delivery and must be ordered separately (E30 fire protection housing art. no. 985855).

Available colour: light grey (RAL 7035)



Reference number	Dimensions [mm]	max. switching power [W]	max. switching power [VA]	Charging current [A]	Number of circuits	Output voltage mains [V]	Output voltage emergency local [V]	Output voltage emergency global [V]	Price Category
Central power supply (CPS)									
985671	H 1800, B 800, T 600	9200	9200	5	4	AC 230	AC 230	DC 216	30
985672	H 1800, B 800, T 600	9200	9200	5	8	AC 230	AC 230	DC 216	30
985673	H 1800, B 800, T 600	9200	9200	5	12	AC 230	AC 230	DC 216	30
985674	H 1800, B 800, T 600	9200	9200	5	16	AC 230	AC 230	DC 216	30
985675	H 1800, B 800, T 600	9200	9200	5	20	AC 230	AC 230	DC 216	30
985676	H 1800, B 800, T 600	9200	9200	5	24	AC 230	AC 230	DC 216	30
985677	H 1800, B 800, T 600	9200	9200	5	28	AC 230	AC 230	DC 216	30
985678	H 1800, B 800, T 600	9200	9200	5	32	AC 230	AC 230	DC 216	30
985679	H 1800, B 800, T 600	9200	9200	5	36	AC 230	AC 230	DC 216	30
985680	H 1800, B 800, T 600	9200	9200	5	40	AC 230	AC 230	DC 216	30
985681	H 1800, B 800, T 600	9200	9200	5	44	AC 230	AC 230	DC 216	30
985682	H 1800, B 800, T 600	9200	9200	5	48	AC 230	AC 230	DC 216	30



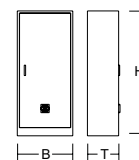
Accessories | Fire protection housing E30

Type of protection: IP 54

Tested and approved floor-standing housing for E30 functional integrity.

With general type approval Z-86.2-76.

Available colour: light grey (RAL 7035)



Fire protection housing E30

985855	E30 fire protection housing for RZB LUXIFAIR COMPACT KOMBI II/E30	30
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Battery sets (Design life according to Eurobat is 10–12 years.)

67000.0.283SET	18 x Pb battery 12V/55Ah, Power incl. 25% ageing: 4648 W / 1h, 2324 W / 3h, 1123 W / 8h	30
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Extensions

Output for subdistribution boards

985863	Additional terminal for output to subdistribution board, installed in RZB LUXIFAIR central battery system	30
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Empty space for circuit module (SKM)

985848	Empty space for circuit module (SKM), pre-wired	30
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Temperature sensor for temperature-controlled charging

985854	Temperature sensor for temperature-controlled charging Typ PT100	30
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Accessories

PC software

985540	PC software PROvisu for visualisation	30
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Log book

985578	without USB stick	30
985578.1	with USB stick	30

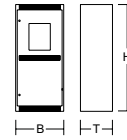
Circuit designation plates

99350.3	Circuit designation plate, 3-part, 10 pcs on sheet	24
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Central battery systems (CPS) | RZB LUXIFAIR COMPACT KOMBI III

Type of protection: IP 20
Protection class: I

The RZB LUXIFAIR COMPACT KOMBI III is a central supply and monitoring system for emergency lighting. In case of a power failure, the system can supply luminaires up to an output of 9,200 W. The system is available with up to 56 output circuits, up to 20 luminaires per circuit. A location can be assigned for each luminaire, which is displayed in clear text in case of failure, to ensure clear localisation of the connected luminaires. Powerline communication is used for communication between the system and the luminaires. Bus lines to the luminaires are not necessary. The system can also exchange KNX, BACnet or Modbus data via the optionally available gateways. Monitoring via TCP/IP with e-mail sending in case of failure is also optionally available. Up to 32 systems from the RZB LUXIFAIR series can be monitored together from a central location using the optional PROvisu software. Switching operations can be triggered via the series-standard digital inputs and messages can be forwarded to a superordinate GLT or a message and switchboard via the isolated changeover relay. The COMPACT KOMBI III can also be supplied with up to 2 outputs for subdistribution boards and with additional optional fittings.



Available colour: light grey (RAL 7035)

Reference number	Dimensions [mm]	max. switching power [W]	max. switching power [VA]	Charging current [A]	Number of circuits	Output voltage mains [V]	Output voltage emergency local [V]	Output voltage emergency global [V]	Price Category
Central power supply (CPS)									
985683	H 2000, B 900, T 600	5200	5200	2	4	AC 230	AC 230	DC 216	30
985684	H 2000, B 900, T 600	5200	5200	2	8	AC 230	AC 230	DC 216	30
985685	H 2000, B 900, T 600	5200	5200	2	12	AC 230	AC 230	DC 216	30
985686	H 2000, B 900, T 600	5200	5200	2	16	AC 230	AC 230	DC 216	30
985687	H 2000, B 900, T 600	5200	5200	2	20	AC 230	AC 230	DC 216	30
985688	H 2000, B 900, T 600	5200	5200	2	24	AC 230	AC 230	DC 216	30
985689	H 2000, B 900, T 600	5200	5200	2	28	AC 230	AC 230	DC 216	30
985690	H 2000, B 900, T 600	5200	5200	2	32	AC 230	AC 230	DC 216	30
985691	H 2000, B 900, T 600	5200	5200	2	36	AC 230	AC 230	DC 216	30
985692	H 2000, B 900, T 600	5200	5200	2	40	AC 230	AC 230	DC 216	30
985693	H 2000, B 900, T 600	5200	5200	2	44	AC 230	AC 230	DC 216	30
985694	H 2000, B 900, T 600	5200	5200	2	48	AC 230	AC 230	DC 216	30
985695	H 2000, B 900, T 600	5200	5200	2	52	AC 230	AC 230	DC 216	30
985696	H 2000, B 900, T 600	5200	5200	2	56	AC 230	AC 230	DC 216	30

Battery sets (Design life according to Eurobat is 10–12 years.)

67000.0.95SET	18 x Pb battery 12V/28Ah, Power incl. 25% ageing: 3254 W / 1h, 1368 W / 3h, 590 W / 8h	30
67000.0.94SET	18 x Pb battery 12V/24Ah, Power incl. 25% ageing: 2736 W / 1h, 1094 W / 3h, 475 W / 8h	30
67000.0.158SET	18 x Pb battery 12V/17Ah, Power incl. 25% ageing: 2102 W / 1h, 820 W / 3h, 331 W / 8h	30
67000.0.96SET	18 x Pb battery 12V/33Ah, Power incl. 25% ageing: 3600 W / 1h, 1555 W / 3h, 679 W / 8h	30
67000.0.97SET	18 x Pb battery 12V/45Ah, Power incl. 25% ageing: 4464 W / 1h, 1958 W / 3h, 907 W / 8h	30
67000.0.159SET	18 x Pb battery 12V/55Ah, Power incl. 25% ageing: 5889 W / 1h, 2491 W / 3h, 1109 W / 8h	30
67000.0.98SET	18 x Pb battery 12V/75Ah, Power incl. 25% ageing: 7070 W / 1h, 3211 W / 3h, 1555 W / 8h	30

Extensions
Output for subdistribution boards

985863	Additional terminal for output to subdistribution board, installed in RZB LUXIFAIR central battery system	30
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Charging transformers

985856	Charging transformer, 5 A	30
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Empty space for circuit module (SKM)

985848	Empty space for circuit module (SKM), pre-wired	30
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Power supply for external modules

985847	Additional power supply for external modules	30
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Temperature sensor for temperature-controlled charging

985854	Temperature sensor for temperature-controlled charging Typ PT100	30
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Switch units

985860	Switch unit 9,200 VA	30
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Accessories
Drip trays

985829	Drip tray for cabinets (W x D) 900 x 600 mm	30
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PC software

985540	PC software PROvisu for visualisation	30
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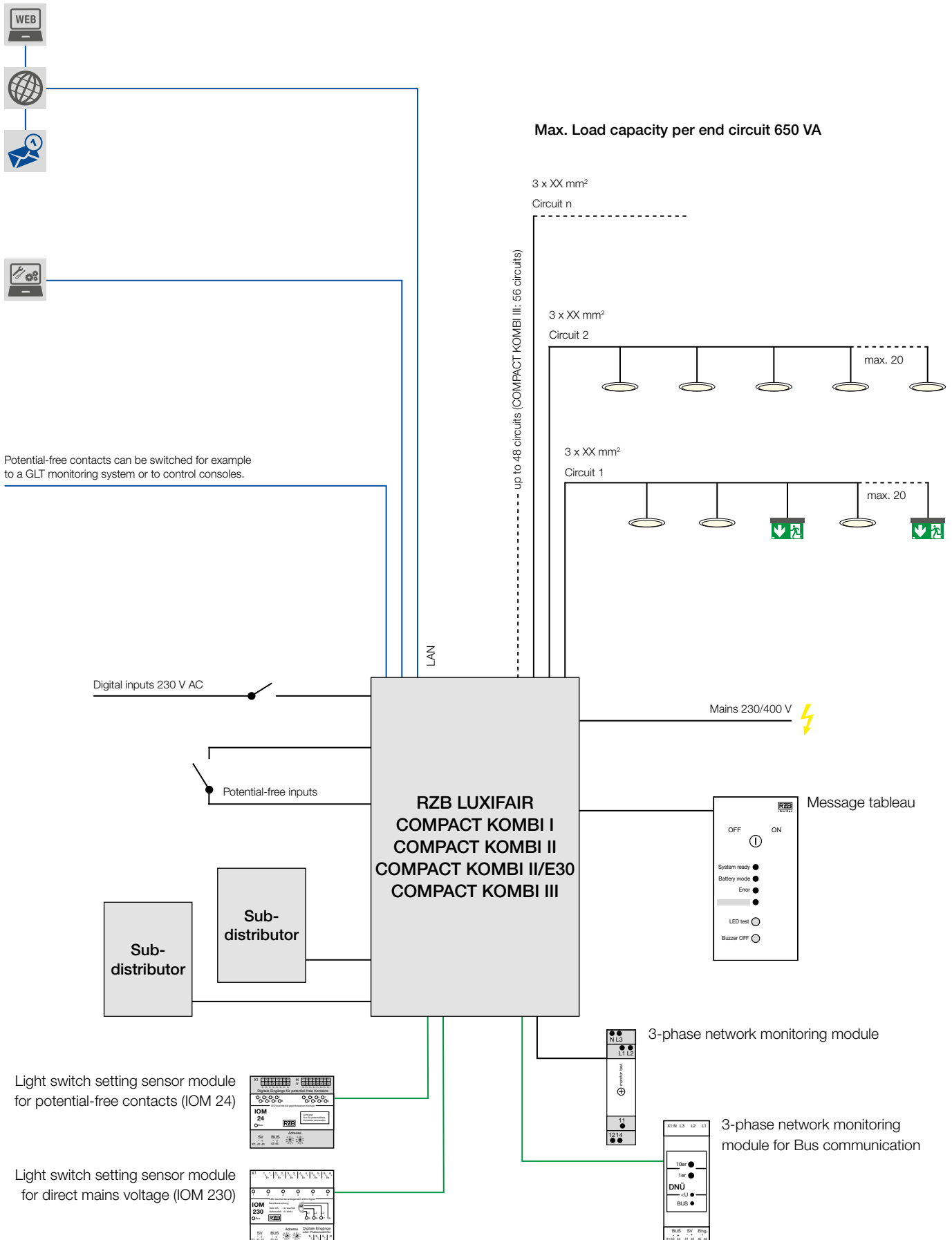
Log book

985578	without USB stick	30
985578.1	with USB stick	30

Circuit designation plates

99350.3	Circuit designation plate, 3-part, 10 pcs on sheet	24
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Circuit diagramm
Standard







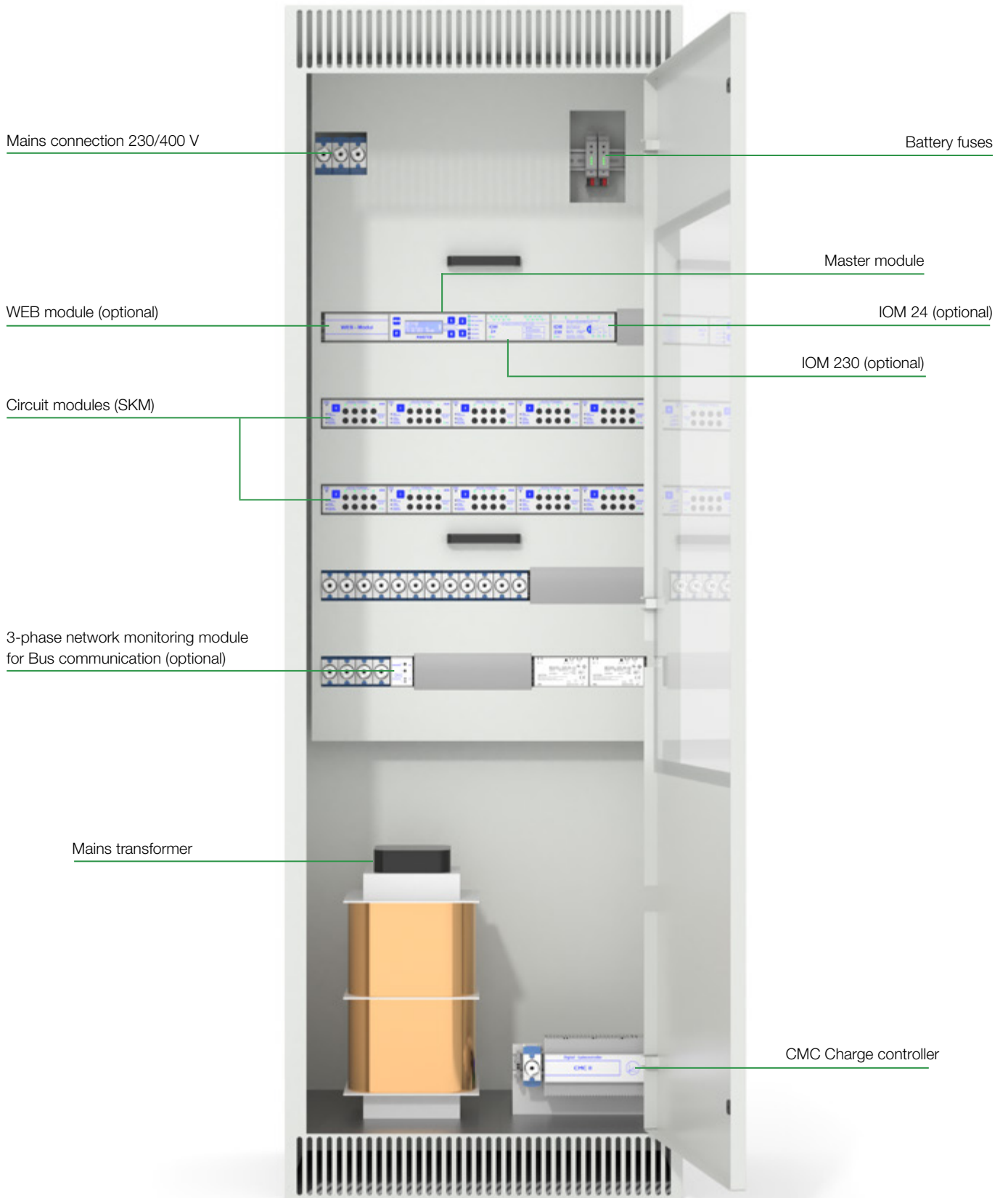
RZB LUXIFAIR COMPACT

Central battery systems (CPS)

- Fully automated, processor-controlled monitoring system.
- For powers up to 18,000 W.
- Simple scalability of the systems due to modular design.
- Up to 6 outlets for sub-distributors.
- Automatic generation of detailed test record.
- Free choice of switching type per luminaire.
- Choice of single-luminaire monitoring in mixed operation mode or circuit monitoring per end circuit.
- No bus lines to the luminaire necessary due to Powerline communication.
- Programmable destination for each connected luminaire.
- Free programming software for commissioning the system via PC.
- Visualisation of connected system(s) via TCP/IP (optional).
- Various modules for interfaces to building management systems optionally available.
- Standard built-in socket for e.g. laptops.
- Made in Germany.

RZB LUXIFAIR COMPACT

Everything at a glance



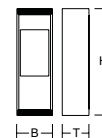


Central battery systems (CPS) | RZB LUXIFAIR COMPACT I

Type of protection: IP 20

Protection class: I

The RZB LUXIFAIR COMPACT I is a central supply and monitoring system for emergency lighting. In case of a power failure, the system can supply luminaires up to an output of 18,000 W. The system is available with up to 60 output circuits, up to 20 luminaires per circuit. A location can be assigned for each luminaire, which is displayed in clear text in case of failure, to ensure clear localisation of the connected luminaires. Powerline communication is used for communication between the system and the luminaires. Bus lines to the luminaires are not necessary. The system can also exchange KNX, BACnet or Modbus data via the optionally available gateways. Monitoring via TCP/IP with e-mail sending in case of failure is also optionally available. Up to 32 systems from the RZB LUXIFAIR series can be monitored together from a central location using the optional PROvisu software. Switching operations can be triggered via the series-standard digital inputs and messages can be forwarded to a superordinate GLT or a message and switchboard via the isolated changeover relay. The COMPACT can also be supplied with up to 6 outputs for subdistribution boards and with additional optional fittings.



Available colour: light grey (RAL 7035)

Reference number	Dimensions [mm]	max. switching power [W]	max. switching power [VA]	Charging current [A]	Number of circuits	Output voltage mains [V]	Output voltage emergency local [V]	Output voltage emergency global [V]	Price Category
Central power supply (CPS)									
985697	H 1800, B 600, T 450	5200	5200	2	4	AC 230	AC 230	DC 216	30
985698	H 1800, B 600, T 450	5200	5200	2	8	AC 230	AC 230	DC 216	30
985699	H 1800, B 600, T 450	5200	5200	2	12	AC 230	AC 230	DC 216	30
985700	H 1800, B 600, T 450	5200	5200	2	16	AC 230	AC 230	DC 216	30
985701	H 1800, B 600, T 450	5200	5200	2	20	AC 230	AC 230	DC 216	30
985702	H 1800, B 600, T 450	5200	5200	2	24	AC 230	AC 230	DC 216	30
985703	H 1800, B 600, T 450	5200	5200	2	28	AC 230	AC 230	DC 216	30
985704	H 1800, B 600, T 450	5200	5200	2	32	AC 230	AC 230	DC 216	30
985705	H 1800, B 600, T 450	5200	5200	2	36	AC 230	AC 230	DC 216	30
985706	H 1800, B 600, T 450	5200	5200	2	40	AC 230	AC 230	DC 216	30
985707	H 1800, B 600, T 450	5200	5200	2	44	AC 230	AC 230	DC 216	30
985708	H 1800, B 600, T 450	5200	5200	2	48	AC 230	AC 230	DC 216	30
985709	H 1800, B 600, T 450	5200	5200	2	52	AC 230	AC 230	DC 216	30
985710	H 1800, B 600, T 450	5200	5200	2	56	AC 230	AC 230	DC 216	30
985711	H 1800, B 600, T 450	5200	5200	2	60	AC 230	AC 230	DC 216	30

Extensions

Output for subdistribution boards

985863	Additional terminal for output to subdistribution board, installed in RZB LUXIFAIR central battery system	30
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Charging transformers

985856	Charging transformer, 5 A	30
985857	Charging transformer, 8 A	30
985858	Charging transformer, 12 A	30

Empty space for circuit module (SKM)

985848	Empty space for circuit module (SKM), pre-wired	30
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Cabinet depth 600 mm

985841	Cabinet depth 600 mm	30
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Power supply for external modules

985847	Additional power supply for external modules	30
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Temperature sensor for temperature-controlled charging

985854	Temperature sensor for temperature-controlled charging Typ PT100	30
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Switch units

985860	Switch unit 9,200 VA	30
985861	Switch unit 14,400 VA	30
985862	Switch unit 18,000 VA	30

Accessories

PC software

985540	PC software PROvisu for visualisation	30
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Log book

985578	without USB stick	30
985578.1	with USB stick	30

Circuit designation plates

99350.3	Circuit designation plate, 3-part, 10 pcs on sheet	24
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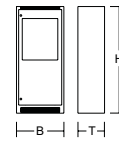


You can find suitable battery cabinets on page 84

Central battery systems (CPS) | RZB LUXIFAIR COMPACT II

Type of protection: IP 20
Protection class: I

The RZB LUXIFAIR COMPACT II is a central supply and monitoring system for emergency lighting. In case of a power failure, the system can supply luminaires up to an output of 18,000 W. The system is available with up to 72 output circuits, up to 20 luminaires per circuit. A location can be assigned for each luminaire, which is displayed in clear text in case of failure, to ensure clear localisation of the connected luminaires. Powerline communication is used for communication between the system and the luminaires. Bus lines to the luminaires are not necessary. The system can also exchange KNX, BACnet or Modbus data via the optionally available gateways. Monitoring via TCP/IP with e-mail sending in case of failure is also optionally available. Up to 32 systems from the RZB LUXIFAIR series can be monitored together from a central location using the optional PROvisu software. Switching operations can be triggered via the series-standard digital inputs and messages can be forwarded to a superordinate GLT or a message and switchboard via the isolated changeover relay. The COMPACT can also be supplied with up to 6 outputs for subdistribution boards and with additional optional fittings.



Available colour: light grey (RAL 7035)

Reference number	Dimensions [mm]	max. switching power [W]	max. switching power [VA]	Charging current [A]	Number of circuits	Output voltage mains [V]	Output voltage emergency local [V]	Output voltage emergency global [V]	Price Category
Central power supply (CPS)									
985712	H 1800, B 800, T 450	5200	5200	2	4	AC 230	AC 230	DC 216	30
985713	H 1800, B 800, T 450	5200	5200	2	8	AC 230	AC 230	DC 216	30
985714	H 1800, B 800, T 450	5200	5200	2	12	AC 230	AC 230	DC 216	30
985715	H 1800, B 800, T 450	5200	5200	2	16	AC 230	AC 230	DC 216	30
985716	H 1800, B 800, T 450	5200	5200	2	20	AC 230	AC 230	DC 216	30
985717	H 1800, B 800, T 450	5200	5200	2	24	AC 230	AC 230	DC 216	30
985718	H 1800, B 800, T 450	5200	5200	2	28	AC 230	AC 230	DC 216	30
985719	H 1800, B 800, T 450	5200	5200	2	32	AC 230	AC 230	DC 216	30
985720	H 1800, B 800, T 450	5200	5200	2	36	AC 230	AC 230	DC 216	30
985721	H 1800, B 800, T 450	5200	5200	2	40	AC 230	AC 230	DC 216	30
985722	H 1800, B 800, T 450	5200	5200	2	44	AC 230	AC 230	DC 216	30
985723	H 1800, B 800, T 450	5200	5200	2	48	AC 230	AC 230	DC 216	30
985724	H 1800, B 800, T 450	5200	5200	2	52	AC 230	AC 230	DC 216	30
985725	H 1800, B 800, T 450	5200	5200	2	56	AC 230	AC 230	DC 216	30
985726	H 1800, B 800, T 450	5200	5200	2	60	AC 230	AC 230	DC 216	30
985727	H 1800, B 800, T 450	5200	5200	2	64	AC 230	AC 230	DC 216	30
985728	H 1800, B 800, T 450	5200	5200	2	68	AC 230	AC 230	DC 216	30
985729	H 1800, B 800, T 450	5200	5200	2	72	AC 230	AC 230	DC 216	30

Extensions
Output for subdistribution boards

985863	Additional terminal for output to subdistribution board, installed in RZB LUXIFAIR central battery system	30
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Charging transformers

985856	Charging transformer, 5 A	30
985857	Charging transformer, 8 A	30
985858	Charging transformer, 12 A	30

Empty space for circuit module (SKM)

985848	Empty space for circuit module (SKM), pre-wired	30
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Cabinet depth 600 mm

985841	Cabinet depth 600 mm	30
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Power supply for external modules

985847	Additional power supply for external modules	30
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Temperature sensor for temperature-controlled charging

985854	Temperature sensor for temperature-controlled charging Typ PT100	30
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Switch units

985860	Switch unit 9,200 VA	30
985861	Switch unit 14,400 VA	30
985862	Switch unit 18,000 VA	30

Accessories
PC software

985540	PC software PROvisu for visualisation	30
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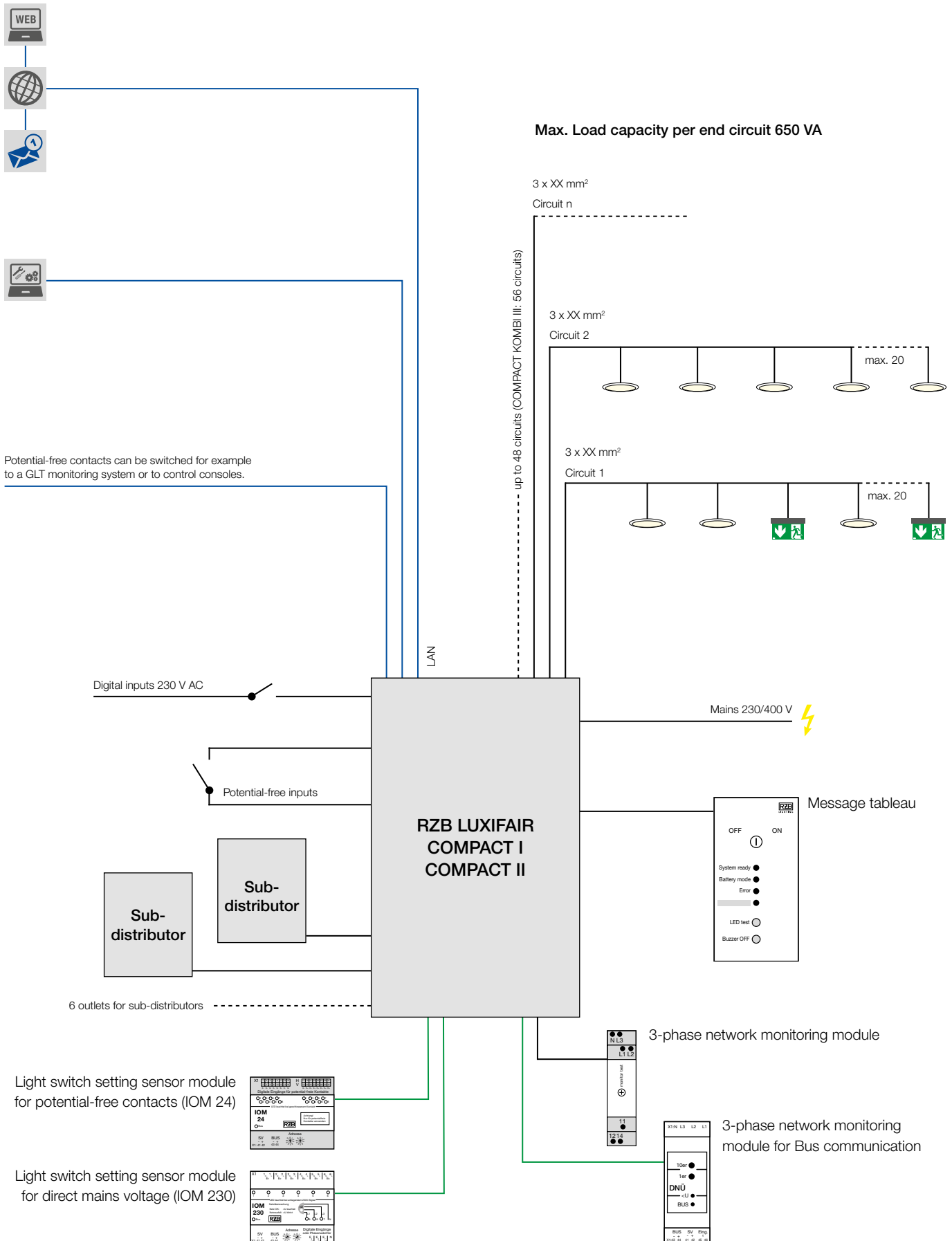
Log book

985578	without USB stick	30
985578.1	with USB stick	30

Circuit designation plates

99350.3	Circuit designation plate, 3-part, 10 pcs on sheet	24
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Circuit diagram
Standard







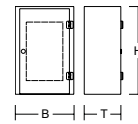
SUBDISTRIBUTION BOARD

Suitable for relocating up to 64 output circuits to another building area or fire zone. The decentralised arrangement of the subdistribution boards considerably reduces cable routing. Power is supplied to the subdistribution board directly from the central battery system via separate outputs to each connected subdistribution board or via a safe rail with one output to several subdistribution boards. All the luminaires connected to the subdistribution board can be monitored directly at the central battery system when using AC control (.89) type address modules in the luminaires. It is possible to outsource digital inputs and outputs or other optional modules to the subdistribution board.

- Decentralised arrangement of the output circuit modules.
- Modular structure.
- Easy to install due to smaller cable runs.
- Compact dimensions.
- Optional E30 fire protection housing.
- Up to 64 output circuits to the luminaires.

Subdistribution board without functional integrity

Type of protection: IP 20
 Protection class: I
 Housing: PVC or sheet steel
 Door hinge: right
 Cable inlet: top
 Connection to PVC housing: plug-in terminals directly on the module
 Connection to sheet steel housing: terminal block
 Type of installation: wall surface mounting



PVC housing

Available colour: light grey (RAL 7035)

Reference number	Dimensions [mm]	max. switching power [W]	max. switching power [VA]	Number of circuits	Input voltage [V]	Output voltage mains [V]	Power feed terminals [mm ²]	Price Category
Subdistribution board								
PVC housing								
985761	H 385, B 295, T 110	4000	4000	4	AC 230 / DC 216	AC 230 / DC 216	16	30
985762	H 385, B 295, T 110	4000	4000	8	AC 230 / DC 216	AC 230 / DC 216	16	30
985763	H 510, B 295, T 110	4000	4000	12	AC 230 / DC 216	AC 230 / DC 216	16	30
Sheet steel housing								
985764	H 600, B 400, T 250	4000	4000	4	AC 230 / DC 216	AC 230 / DC 216	16	30
985765	H 600, B 400, T 250	4000	4000	8	AC 230 / DC 216	AC 230 / DC 216	16	30
985766	H 600, B 400, T 250	4000	4000	12	AC 230 / DC 216	AC 230 / DC 216	16	30
985767	H 800, B 600, T 250	10000	10000	16	AC 230 / DC 216	AC 230 / DC 216	35	30
985768	H 800, B 600, T 250	10000	10000	20	AC 230 / DC 216	AC 230 / DC 216	35	30
985769	H 800, B 600, T 250	10000	10000	24	AC 230 / DC 216	AC 230 / DC 216	35	30
985770	H 800, B 600, T 250	10000	10000	28	AC 230 / DC 216	AC 230 / DC 216	35	30
985771	H 800, B 600, T 250	10000	10000	32	AC 230 / DC 216	AC 230 / DC 216	35	30
985772	H 1000, B 600, T 250	10000	10000	36	AC 230 / DC 216	AC 230 / DC 216	35	30
985773	H 1000, B 600, T 250	10000	10000	40	AC 230 / DC 216	AC 230 / DC 216	35	30
985774	H 1000, B 600, T 250	10000	10000	44	AC 230 / DC 216	AC 230 / DC 216	35	30
985775	H 1000, B 600, T 250	10000	10000	48	AC 230 / DC 216	AC 230 / DC 216	35	30
985776	H 1000, B 600, T 250	10000	10000	52	AC 230 / DC 216	AC 230 / DC 216	35	30



Sheet steel housing

Extensions

Empty space for circuit module (SKM)								
985848	Empty space for circuit module (SKM), pre-wired							30
Power supply for external modules								
985847	Additional power supply for external modules							30

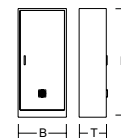
Modules and components

Network monitor								
985497	3-phase network monitoring module for Bus communication, for DIN-rail mounting							30
09-6302.0177	3-phase network monitoring module with test function							30
Switch sensor module 24 V								
985845	IOM 24 Modul, for on-site external mounting on top-hat rail							30
985843	IOM 24 Modul, installed in RZB LUXIFAIR central battery system							30
Switch sensor module 230 V								
985846	IOM 230 Modul, for on-site external mounting on top-hat rail							30
985844	IOM 230 Modul, installed in RZB LUXIFAIR central battery system							30



Subdistribution board with E30 functional integrity

Type of protection: IP 54
 Protection class: I
 Housing: sheet steel
 Door hinge: right
 Cable inlet: top
 Connection: terminal blocks
 Installation type: wall-mounted / stand
With general type approval Z-86.2-76.



Available colour: light grey (RAL 7035)

Reference number	Dimensions [mm]	max. switching power [W]	max. switching power [VA]	Number of circuits	Input voltage [V]	Output voltage mains [V]	Power feed terminals [mm ²]	Price Category
Subdistribution board								
Floor-standing housing								
985790	H 1878, B 728, T 335	10000	10000	56	AC 230 / DC 216	AC 230 / DC 216	35	30
985791	H 1878, B 728, T 335	10000	10000	60	AC 230 / DC 216	AC 230 / DC 216	35	30
985792	H 1878, B 728, T 335	10000	10000	64	AC 230 / DC 216	AC 230 / DC 216	35	30
Wall-mounted housing								
985777	H 778, B 428, T 275	4000	4000	4	AC 230 / DC 216	AC 230 / DC 216	16	30
985778	H 778, B 428, T 275	4000	4000	8	AC 230 / DC 216	AC 230 / DC 216	16	30
985779	H 778, B 678, T 325	4000	4000	12	AC 230 / DC 216	AC 230 / DC 216	16	30
985780	H 778, B 678, T 325	10000	10000	16	AC 230 / DC 216	AC 230 / DC 216	35	30
985781	H 778, B 678, T 325	10000	10000	20	AC 230 / DC 216	AC 230 / DC 216	35	30
985782	H 778, B 678, T 325	10000	10000	24	AC 230 / DC 216	AC 230 / DC 216	35	30
985783	H 778, B 678, T 325	10000	10000	28	AC 230 / DC 216	AC 230 / DC 216	35	30
985784	H 1078, B 678, T 325	10000	10000	32	AC 230 / DC 216	AC 230 / DC 216	35	30
985785	H 1078, B 678, T 325	10000	10000	36	AC 230 / DC 216	AC 230 / DC 216	35	30
985786	H 1078, B 678, T 325	10000	10000	40	AC 230 / DC 216	AC 230 / DC 216	35	30
985787	H 1078, B 678, T 325	10000	10000	44	AC 230 / DC 216	AC 230 / DC 216	35	30
985788	H 1078, B 678, T 325	10000	10000	48	AC 230 / DC 216	AC 230 / DC 216	35	30
985789	H 1078, B 678, T 325	10000	10000	52	AC 230 / DC 216	AC 230 / DC 216	35	30

Extensions

Empty space for circuit module (SKM)

985848 Empty space for circuit module (SKM), pre-wired 30

Power supply for external modules

985847 Additional power supply for external modules 30

Modules and components

Network monitor

985497 3-phase network monitoring module for Bus communication, for DIN-rail mounting 30

09-6302.0177 3-phase network monitoring module with test function 30

Switch sensor module 24 V

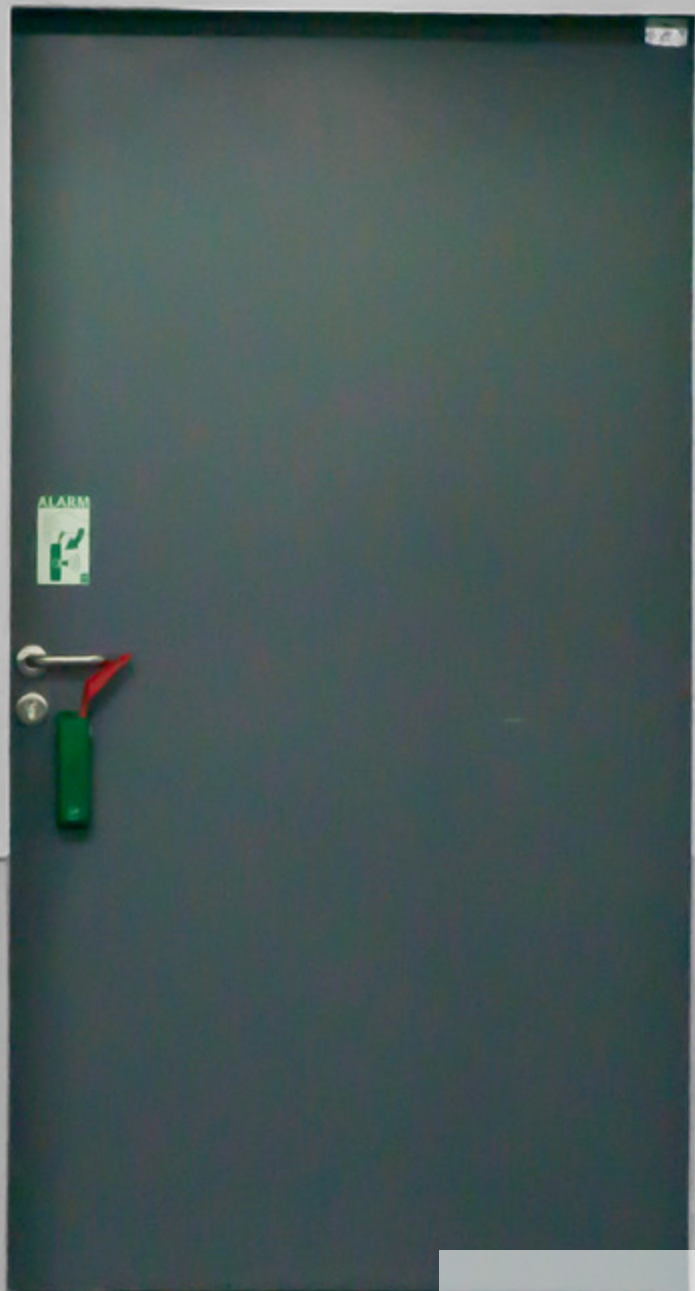
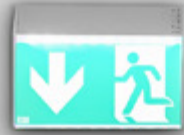
985845 IOM 24 Modul, for on-site external mounting on top-hat rail 30

985843 IOM 24 Modul, installed in RZB LUXIFAIR central battery system 30

Switch sensor module 230 V

985846 IOM 230 Modul, for on-site external mounting on top-hat rail 30

985844 IOM 230 Modul, installed in RZB LUXIFAIR central battery system 30



CENTRYXX D
GSUN S
PLANOX



BATTERY CABINETS

- Grid floor as storage space for the batteries ensure optimum ventilation and temperature control.
- Integrated cable socket.
- Completely pre-installed.
- Suitable for fork-lift truck.

Battery cabinets for LUXIFAIR central battery system

Type of protection: IP 20
Protection class: I

Battery cabinet made of sheet steel, powder-coated. Grid floor as storage space for the batteries ensure optimum ventilation and temperature control. Load capacity 250 kg per grid floor. 180° door opening angle. Optionally extendable up to 5 grid floors. With integrated cable socket and cable entry from below. Optional cable entry from above via sliding angle. Completely pre-installed. The cabinet can be transported with a forklift truck.



Available colour: light grey (RAL 7035)

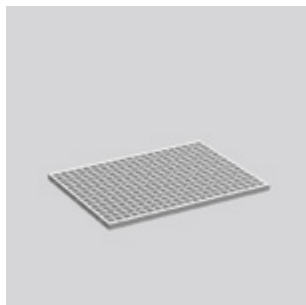
Reference number	Type	Dimensions [mm]	Number of battery compartments	Dimensions battery compartment [mm]	Price Category
Battery cabinets					
Width 600 mm					
985731	BS 12.06.043-2G	H 1200, B 600, T 430	2	H 480, B 545, T 360	30
985746	BS 12.06.043-3G	H 1200, B 600, T 430	3	H 343, B 570, T 360	30
985732	BS 14.06.06-2G	H 1400, B 600, T 600	2	H 582, B 550, T 550	30
985747	BS 14.06.06-3G	H 1400, B 600, T 600	3	H 376, B 550, T 550	30
985735	BS 18.06.06-2G	H 1800, B 600, T 600	2	H 789, B 550, T 550	30
985750	BS 18.06.06-3G	H 1800, B 600, T 600	3	H 510, B 550, T 550	30
985754	BS 20.06.06-3G	H 2000, B 600, T 600	3	H 575, B 550, T 550	30
Width 800 mm					
985748	BS 14.08.06-3G	H 1400, B 800, T 600	3	H 376, B 750, T 550	30
985751	BS 18.08.06-3G	H 1800, B 800, T 600	3	H 510, B 750, T 550	30
985755	BS 20.08.06-3G	H 2000, B 800, T 600	3	H 575, B 750, T 550	30
985749	BS 14.08.08-3G	H 1400, B 800, T 800	3	H 376, B 750, T 750	30
985752	BS 18.08.08-3G	H 1800, B 800, T 800	3	H 510, B 750, T 750	30
985756	BS 20.08.08-3G	H 2000, B 800, T 800	3	H 575, B 750, T 750	30
Width 900 mm					
985757	BS 20.09.06-3G	H 2000, B 900, T 600	3	H 575, B 850, T 550	30
985758	BS 20.09.08-3G	H 2000, B 900, T 800	3	H 575, B 850, T 750	30
Width 1000 mm					
985744	BS 20.10.06-2G	H 2000, B 1000, T 600	2	H 877, B 950, T 550	30
985759	BS 20.10.06-3G	H 2000, B 1000, T 600	3	H 575, B 950, T 550	30
985738	BS 18.10.08-2G	H 1800, B 1000, T 800	2	H 789, B 950, T 750	30
985753	BS 18.10.08-3G	H 1800, B 1000, T 800	3	H 510, B 950, T 750	30
985745	BS 20.10.08-2G	H 2000, B 1000, T 800	2	H 877, B 950, T 750	30
985760	BS 20.10.08-3G	H 2000, B 1000, T 800	3	H 575, B 950, T 750	30

Extensions

985822	Air vents NW100	30
985834	RAL special colour	30
985835	Type of protection IP32	30
985836	Transport eyelets	30
985837	Floor mounting bracket	30
985838	Cable entry via top.	30

Matrix: Number of battery cabinets required

Ref. number	Type battery cabinets	Cabinets at 12 Ah	Cabinets at 17 Ah	Cabinets at 24 Ah	Cabinets at 28 Ah	Cabinets at 33 Ah	Cabinets at 45 Ah	Cabinets at 55 Ah	Cabinets at 65 Ah	Cabinets at 75 Ah	Cabinets at 80 Ah	Cabinets at 90 Ah	Cabinets at 100 Ah	Cabinets at 120 Ah	Cabinets at 134 Ah	Cabinets at 150 Ah	Cabinets at 200 Ah	Cabinets at 250 Ah
985731	BS 12.06.043-2G	1	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
985732	BS 14.06.06-2G	1	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
985735	BS 18.06.06-2G	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
985738	BS 18.10.08-2G	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-
985744	BS 20.10.06-2G	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-
985745	BS 20.10.08-2G	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-
985746	BS 12.06.043-3G	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
985747	BS 14.06.06-3G	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	-
985748	BS 14.08.06-3G	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2
985749	BS 14.08.08-3G	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	-
985750	BS 18.06.06-3G	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	-	-
985751	BS 18.08.06-3G	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	-
985752	BS 18.08.08-3G	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	-
985753	BS 18.10.08-3G	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
985754	BS 20.06.06-3G	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	-	-
985755	BS 20.08.06-3G	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	-
985756	BS 20.08.08-3G	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	-
985757	BS 20.09.06-3G	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	-
985758	BS 20.09.08-3G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
985759	BS 20.10.06-3G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	-
985760	BS 20.10.08-3G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2



Accessories | Grid floors

Grid floor pre-installed in battery cabinet for RZB LUXIFAIR central battery systems. Grid floor made of silver-galvanised steel. Holds up to 250 kg per grid floor. A maximum of 5 grid floors are possible per battery cabinet. Please note reduction of battery compartment height and installation height of batteries in case of additional grid floors.

Reference number	Dimensions [mm]		Price Category
Grid floors for additional requirements			
For cabinet width: 600 mm			
985793	L 360, B 545, H 25	Grid floor for cabinets (W x D) 600 x 430 mm	30
985794	L 550, B 550, H 25	Grid floor for cabinets (W x D) 600 x 600 mm	30
For cabinet width: 800 mm			
985795	L 550, B 750, H 25	Grid floor for cabinets (W x D) 800 x 600 mm	30
985798	L 750, B 750, H 25	Grid floor for cabinets (W x D) 800 x 800 mm	30
For cabinet width: 900 mm			
985796	L 550, B 850, H 25	Grid floor for cabinets (W x D) 900 x 600 mm	30
985799	L 750, B 850, H 25	Grid floor for cabinets (W x D) 900 x 800 mm	30
For cabinet width: 1000 mm			
985797	L 550, B 950, H 25	Grid floor for cabinets (W x D) 1000 x 600 mm	30
985800	L 750, B 950, H 25	Grid floor for cabinets (W x D) 1000 x 800 mm	30



Accessories | Drip trays

Drip trays for combi- or battery cabinets for insertion in the battery compartments.

Reference number	Dimensions [mm]		Price Category
Drip trays			
For cabinet width: 600 mm			
985823	L 360, B 570, H 40	Drip tray for cabinets (W x D) 600 x 430 mm	30
985824	L 400, B 555, H 40	Drip tray for cabinets (W x D) 600 x 450 mm	30
985826	L 450, B 550, H 40	Drip tray for cabinets (W x D) 600 x 500 mm	30
985827	L 550, B 550, H 40	Drip tray for cabinets (W x D) 600 x 600 mm	30
For cabinet width: 800 mm			
985825	L 400, B 750, H 40	Drip tray for cabinets (W x D) 800 x 450 mm	30
985828	L 550, B 750, H 40	Drip tray for cabinets (W x D) 800 x 600 mm	30
985831	L 750, B 750, H 40	Drip tray for cabinets (W x D) 800 x 800 mm	30
For cabinet width: 900 mm			
985829	L 550, B 850, H 40	Drip tray for cabinets (W x D) 900 x 600 mm	30
985832	L 750, B 850, H 40	Drip tray for cabinets (W x D) 900 x 800 mm	30
For cabinet width: 1000 mm			
985830	L 550, B 950, H 40	Drip tray for cabinets (W x D) 1000 x 600 mm	30
985833	L 750, B 950, H 40	Drip tray for cabinets (W x D) 1000 x 800 mm	30

Accessories | Base for housing adaptation

For height adjustment of switch or battery cabinets.
Bases including cabinet up to a total height of 2100 mm are supplied fully assembled.

Available colour: light grey (RAL 7035)



Reference number	Dimensions [mm]		Price Category
Base for housing adaptation			
For cabinet width: 600 mm			
Cabinet depth: 450 mm			
985885	L 450, B 600, H 100	Cabinet base height 100 mm	30
985887	L 450, B 600, H 200	Cabinet base height 200 mm	30
985889	L 450, B 600, H 400	Cabinet base height 400 mm	30
Cabinet depth: 600 mm			
985801	L 600, B 600, H 100	Cabinet base height 100 mm	30
985808	L 600, B 600, H 200	Cabinet base height 200 mm	30
985815	L 600, B 600, H 400	Cabinet base height 400 mm	30
For cabinet width: 800 mm			
Cabinet depth: 450 mm			
985886	L 450, B 800, H 100	Cabinet base height 100 mm	30
985888	L 450, B 800, H 200	Cabinet base height 200 mm	30
985890	L 450, B 800, H 400	Cabinet base height 400 mm	30
Cabinet depth: 600 mm			
985802	L 600, B 800, H 100	Cabinet base height 100 mm	30
985809	L 600, B 800, H 200	Cabinet base height 200 mm	30
985816	L 600, B 800, H 400	Cabinet base height 400 mm	30
Cabinet depth: 800 mm			
985805	L 800, B 800, H 100	Cabinet base height 100 mm	30
985812	L 800, B 800, H 200	Cabinet base height 200 mm	30
985819	L 800, B 800, H 400	Cabinet base height 400 mm	30
For cabinet width: 900 mm			
Cabinet depth: 600 mm			
985803	L 600, B 900, H 100	Cabinet base height 100 mm	30
985810	L 600, B 900, H 200	Cabinet base height 200 mm	30
985817	L 600, B 900, H 400	Cabinet base height 400 mm	30
Cabinet depth: 800 mm			
985806	L 800, B 900, H 100	Cabinet base height 100 mm	30
985813	L 800, B 900, H 200	Cabinet base height 200 mm	30
985820	L 800, B 900, H 400	Cabinet base height 400 mm	30
For cabinet width: 1000 mm			
Cabinet depth: 600 mm			
985804	L 600, B 1000, H 100	Cabinet base height 100 mm	30
985811	L 600, B 1000, H 200	Cabinet base height 200 mm	30
985818	L 600, B 1000, H 400	Cabinet base height 400 mm	30
Cabinet depth: 800 mm			
985807	L 800, B 1000, H 100	Cabinet base height 100 mm	30
985814	L 800, B 1000, H 200	Cabinet base height 200 mm	30
985821	L 800, B 1000, H 400	Cabinet base height 400 mm	30



Accessories | Battery sets

Battery set consisting of 18 x 12 V blocks.
AGM lead batteries including battery connectors.
Design life according to Eurobat is 10–12 years.

Reference number	Dimensions [mm]	Capacity [Ah]	Power 1 h* [W]	Power 3 h* [W]	Power 8 h* [W]	Price Category
Battery sets (Design life according to Eurobat is 10–12 years.)						
67000.0.263SET	L 151, B 65, H 99	7 Ah	629 W	321 W	145 W	30
67000.0.297SET	L 151, B 65, H 100	7 Ah	799 W	330 W	149 W	30
67000.0.168SET	L 151, B 98, H 95	12 Ah	1186 W	498 W	222 W	30
67000.0.264SET	L 151, B 98, H 101	12 Ah	1080 W	529 W	244 W	30
67000.0.298SET	L 151, B 98, H 101	12 Ah	1280 W	528 W	238 W	30
67000.0.158SET	L 181, B 78, H 167	17 Ah	2102 W	820 W	331 W	30
67000.0.265SET	L 182, B 77, H 168	18 Ah	1616 W	793 W	365 W	30
67000.0.299SET	L 181, B 77, H 165	18 Ah	1919 W	791 W	357 W	30
67000.0.94SET	L 166, B 175, H 125	24 Ah	2736 W	1094 W	475 W	30
67000.0.300SET	L 167, B 176, H 127	25 Ah	2665 W	1100 W	496 W	30
67000.0.267SET	L 165, B 125, H 175	28 Ah	2514 W	1236 W	569 W	30
67000.0.301SET	L 165, B 125, H 175	28 Ah	2985 W	1207 W	544 W	30
67000.0.95SET	L 165, B 125, H 175	28 Ah	3254 W	1368 W	590 W	30
67000.0.268SET	L 195, B 130, H 167	33 Ah	2964 W	1452 W	674 W	30
67000.0.96SET	L 195, B 130, H 168	33 Ah	3600 W	1555 W	679 W	30
67000.0.302SET	L 195, B 130, H 166	35 Ah	3640 W	1601 W	721 W	30
67000.0.97SET	L 197, B 165, H 170	45 Ah	4464 W	1958 W	907 W	30
67000.0.271SET	L 228, B 137, H 230	55 Ah	4648 W	2324 W	1123 W	30
67000.0.304SET	L 228, B 138, H 214	55 Ah	5721 W	2517 W	1133 W	30
67000.0.159SET	L 229, B 138, H 213	55 Ah	5889 W	2491 W	1109 W	30
67000.0.292SET	L 260, B 168, H 216	60 Ah	5072 W	2540 W	1227 W	30
67000.0.272SET	L 348, B 167, H 178	65 Ah	5495 W	2748 W	1322 W	30
67000.0.293SET	L 348, B 167, H 178	70 Ah	5918 W	2964 W	1780 W	30
67000.0.273SET	L 260, B 168, H 214	75 Ah	6342 W	3171 W	1529 W	30
67000.0.98SET	L 258, B 166, H 215	75 Ah	7070 W	3211 W	1555 W	30
67000.0.99SET	L 350, B 167, H 179	80 Ah	8165 W	3557 W	1685 W	30
67000.0.306SET	L 259, B 168, H 214	80 Ah	8321 W	3660 W	1648 W	30
67000.0.275SET	L 305, B 168, H 213	90 Ah	7603 W	3810 W	1832 W	30
67000.0.100SET	L 306, B 169, H 214	90 Ah	9331 W	3917 W	1843 W	30
67000.0.307SET	L 307, B 168, H 214	90 Ah	9357 W	4118 W	1854 W	30
67000.0.276SET	L 330, B 173, H 220	100 Ah	8450 W	4234 W	2039 W	30
67000.0.308SET	L 328, B 172, H 220	100 Ah	10403 W	4576 W	2060 W	30
67000.0.101SET	L 330, B 171, H 222	100 Ah	10800 W	4709 W	2131 W	30
67000.0.277SET	L 408, B 177, H 225	120 Ah	10143 W	5072 W	2445 W	30
67000.0.309SET	L 407, B 177, H 225	120 Ah	12485 W	5491 W	2472 W	30
67000.0.102SET	L 410, B 176, H 227	120 Ah	12960 W	5501 W	2563 W	30
67000.0.181SET	L 341, B 173, H 288	134 Ah	14256 W	5976 W	2808 W	30
67000.0.279SET	L 345, B 172, H 280	140 Ah	11828 W	5918 W	2851 W	30
67000.0.310SET	L 340, B 172, H 286	140 Ah	14040 W	6177 W	2780 W	30
67000.0.280SET	L 485, B 170, H 238	150 Ah	12675 W	6342 W	3059 W	30
67000.0.311SET	L 485, B 169, H 340	150 Ah	15604 W	6863 W	3090 W	30
67000.0.103SET	L 485, B 172, H 240	150 Ah	16157 W	6811 W	3226 W	30
67000.0.281SET	L 522, B 240, H 224	200 Ah	16900 W	8459 W	4078 W	30
67000.0.312SET	L 522, B 238, H 221	200 Ah	20805 W	9150 W	4120 W	30
67000.0.104SET	L 522, B 238, H 223	200 Ah	21514 W	9590 W	4320 W	30
67000.0.294SET	L 522, B 268, H 226	250 Ah	21125 W	10575 W	5098 W	30
67000.0.313SET	L 520, B 268, H 223	260 Ah	27043 W	11897 W	5355 W	30

Maximum possible consumer power included, including 25% ageing reserve according to standard.

Determining the ventilation of electrical operating rooms

EN IEC 62485-2:2019-04 Safety requirements for secondary batteries and battery systems: Part 2 Stationary battery
 Calculation of airflow and ventilation. Design of ventilation openings for natural ventilation.

VRLA cells, sealed cells

Type	Capacity C10 [Ah]	Air flow Q Powerful charge 25°C [m³/h]	Ventilation opening 25°C [cm²]	Opening square [cm]	Opening diameter [cm]
985533 985867 985874	2 x 17	0,09	2,5	1,6	1,8
985534 985535 985541 985881 985882 985883 985868 985869 985872 985875 985876 985880	4 x 17	0,180	5,0	2,2	2,5
985865 985870 985877	4 x 28	0,297	8,3	2,9	3,3
985536 985542 985871 985873 985878 985880	2 x 65	0,344	9,6	3,1	3,5
985866	4 x 65	0,689	19,3	4,4	5,0
RZB Luxifair Compact COMPACT KOMBI KV 2000	18 x 12	0,572	16,0	4,0	4,5
	18 x 17	0,811	22,7	4,8	5,4
	18 x 24	1,144	32,0	5,7	6,4
	18 x 33	1,574	44,1	6,6	7,5
	18 x 45	2,146	60,1	7,8	8,7
	18 x 55	2,623	73,4	8,6	9,7
	18 x 65	3,099	86,8	9,3	10,5
	18 x 75	3,576	100,1	10,0	11,3
	18 x 80	3,815	106,8	10,3	11,7
	18 x 90	4,291	120,2	11,0	12,4
	18 x 100	4,768	133,5	11,6	13,0
	18 x 120	5,722	160,2	12,7	14,3
	18 x 134	6,389	178,9	13,4	15,1
	18 x 150	7,152	200,3	14,2	16,0
	18 x 200	9,563	267,0	16,3	18,4
	18 x 250	11,921	333,8	18,3	20,6



Accessories | Software PROvisu

PC software for visualising up to 65 group and /or central battery systems in the RZB LUXIFAIR series together on one user interface.

Reference number

Price Category

PC software

985540	PC software PROvisu for visualisation	30
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Visualisations

Home page



Info on single system



Info on single system



Accessories | Test log for emergency lighting installation

Folder in RZB design in a wide version with mechanical system and edge protection. For keeping the emergency lighting test log required by DIN VDE 0108 Part 100. With index and inserts for a period of 4 years. In addition, papers for the documentation of the entire system can be added to the folder, for example plans and luminaire documentation.

The folder contains a USB stick with digital print templates and the option of storing electronic test logs.

- Professional documentation of the emergency lighting installation.
- Sufficient capacity for more than 10 years of test logs (inserts included for 4 years).
- Suitable for single and central battery systems.
- Additional USB stick with digital print templates (optional).
- Clear index.
- Storage option for digital test books and documentation (optional).

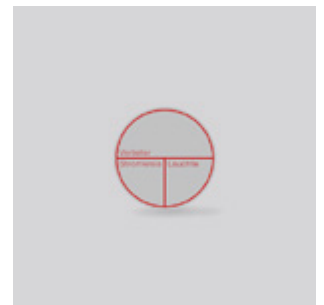
Reference number	Dimensions [mm]		Price Category
Log book			
985578	L 290, B 80, H 315	without USB stick	30
985578.1	L 290, B 80, H 315	with USB stick	30



Accessories | Circuit designation plates

Circuit label 3-part according to DIN VDE 0108-100 for sticking onto the luminaire or a suitable surface. One strip contains 10 labels for labelling distributor, circuit and luminaire numbers.

Reference number	Dimensions [mm]		Price Category
Circuit designation plates			
99350.3	D 40	Circuit designation plate, 3-part, 10 pcs on sheet	24



Accessories

99351	D 40, H 2	Plaque as an adhesive base for circuit designation plates 99350 for fixing on roughcast and uneven surfaces.	24
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Modules and components
94

MODULES AND COMPONENTS




















Modules and components for RZB LUXIFAIR group and central battery systems extend the functionality of your LPS and CPS systems individually according to the requirements of your property.

Depending on the expansion and size of the systems, not all options may be possible at the same time.

Please contact us. We will be happy to assist you with the planning of your system.

You will find contact details on page 324.



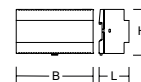
Overview modules and assemblies		QUATTRO	QUATTRO industry	QUATTRO light	QUATTRO E30
	3-phase network monitoring module	✓	✓	✓	✓
	3-phase network monitoring module for Bus communication	✓	✓	✓	✓
	Message tableau	✓	✓	✓	✓
	Message tableau Mikro for surface installation	✓	✓	✓	✓
	Message tableau Mikro for recessed installation	✓	✓	✓	✓
	E-Switch - electronic changeover switch for installation in luminaires	✓	✓	✓	✓
	UE 110c - electronic changeover switch for top-hat-rail mounting	✓	✓	✓	✓
	UE-DIM - electronic changeover switch for dimming operation	✓	✓	✓	✓
	TW500 - switching and grid monitoring module	✓	✓	✓	✓
	AC-Control - address module for single luminaire monitoring in mixed mode	✓	✓	✓	✓
	AC-Control - address module for single luminaire monitoring in mixed mode	✓	✓	✓	✓
	WEB module for visualisation via TCP/IP	Series	Series	Series	Series
	BACnet-Gateway - bus connection module	-	-	-	-
	KNX-Gateway - bus connection module	-	-	-	-
	Modbus-Gateway - bus connection module	-	-	-	-
	IOM 230 - switch sensor module 230 V	-	-	-	-
	IOM 24 - switch sensor module 24 V	-	-	-	-
	MEM module - input/output module with tenant power feed	-	-	-	-
	DEHNguard M - surge arrester	-	-	-	-

							
KV 2000	KV 2000/E30	COMPACT KOMBI I	COMPACT KOMBI II	COMPACT KOMBI II/E30	COMPACT KOMBI III	COMPACT I	COMPACT II
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
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✓	-	✓	✓	✓	✓	✓	✓
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Modules and components | RZB LUXIFAIR Master

Microprocessor control and monitoring unit



The Master is a freely programmable control device that also acts as the communication interface. From a technical system perspective, the Master can be supported by further sub-masters, which then form their own self-enclosed systems but are always managed by the Master and communicate with each other via the Master bus, or exchange switching commands that apply to both Master and sub-masters. Each master/sub-master forms its own communication bus, thus eliminating the communication overload on the overall system's bus.

The Master unit provides all the monitoring functions required by the applicable VDE and EN standards and is equipped with the following features:

- Illuminated blue-design display 4 lines with 20 characters each
- Clear-text display of all reports
- 6 membrane buttons for operation
- Operating state reports via LED
- Buffer memory for reports and function tests dating back more than 4 years
- USB interface for connecting a tablet/PC
- SD card for programming, display texts, test log, etc.
- Simple parametrisation using a PC and Service software or via menu buttons
- 3 RS232 interfaces for expansion modules (print box, visualisation, phonenumber box etc.)
- Automatic function and operating time tests
- Optional deployment of the Master unit as a sub-master system in Sub-distribution boards
- Remote maintenance via phone or Internet
- Visualisation of the entire system on incorporated or existing PC (option)
- 8 freely programmable digital inputs
- Windows-compatible embOS operating system
- Programmable function keys for rapid access to frequently used functions
- Each individual luminaire can be programmed
- Clear-text display of local emergency modes
- Automatic search for specific luminaire addresses
- Service address and telephone number can be programmed in the Information menu
- 8 programmable switching options per individual luminaire
- 8 programmable switching options per electric circuit

LUXIFAIR Master is the system's central intelligence. It performs all of the monitoring, log and test functions stipulated in VDE 0108, EN 50172 and EN 50171 and stores them on an SD card. The emergency lighting installation can be programmed via the illuminated display or via a laptop/PC, which is connected through the standard USB connection to the LUXIFAIR Master. All messages are displayed as clear text. The site texts can be stored using the menu control or with the help of a PC. The LUXIFAIR Master can also be integrated in an emergency lighting sub-distribution board. Besides the numerous connection options of the Master, the user current can also be metered.

- Housing: plastic
- Display: 4 x 20 characters
- Operation: 6 x function keys or PC via USB
- Special features: 8 freely programmable inputs
- Connections: 1 x USB, 3 x RS232 via RJ45 sockets
- Space requirements: 9 module spaces (MS)
- Type of installation: top hat rail
- Temperature warning
- Test mode

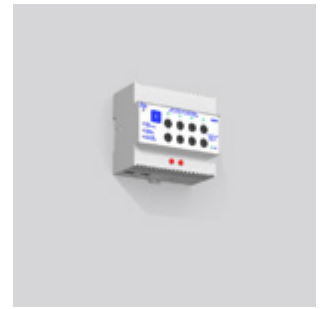
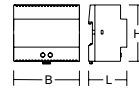
Reference number	Dimensions [mm]	Price Category
Microprocessor control and monitoring unit		
985271	L 157, B 61, H 90	30

Modules and components | SKM module

The SKM module is a bus-controlled circuit switching module that ensures a high level of operational safety and extensive monitoring technology.

The emergency or escape sign luminaires are operated via the SKM module. All 4 of the module's outputs can be used for circuit-monitored systems or for individual luminaire monitoring. Each module can operate 4 output circuits with up to 20 luminaires. Each circuit in the luminaire circuit module can be programmed for maintained, non-maintained, or switched maintained operation. The switching commands are transmitted via the mains power supply cable to the luminaire, without the need for an additional bus line.

Each of the 4 electric circuits on the module can be loaded with a power/apparent power of 650 W/650 VA. The entire module can be loaded with a max. power/apparent power of 2500 W/2500 VA. Additionally, it detects faults on circuits or individual luminaires. Detected faults are displayed in the master module of the central battery system or on the status LED directly on the module.



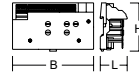
Detected faults are:

- Module faults
- Faulty configuration
- Circuit faults
- Active tests
- No emergency supply voltage
- Exceeding max. current
- Falling below min. current
- Voltage failure on the circuit
- Faulty relays

Reference number	Dimensions [mm]	Price Category
Circuit switching module		
985272	L 61, B 105, H 90	30

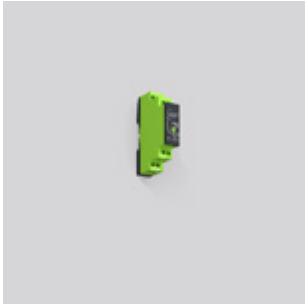
Modules and components | KAM module

The KAM (customer connection module) has 5 relays with switching or changeover contacts. 4 relays have fixed functions and 1 relay can be assigned a function via jumpers.



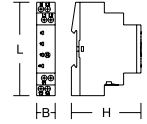
- K1: ready for operation
- K2: battery operation
- K3: fault message
- K4: choice of
- temperature warning
- test operation

Reference number	Dimensions [mm]	Price Category
Customer connection module		
985558	L 53, B 155, H 90	30



Modules and components | 3-phase network monitoring module

Suitable for installation in systems complying with DIN VDE 0108.
 For installation in sub distribution boards for detecting undervoltage and power failures in single-phase or three-phase power systems.
 Construction width: 18 mm.
 With test function and status LED for each input phase.

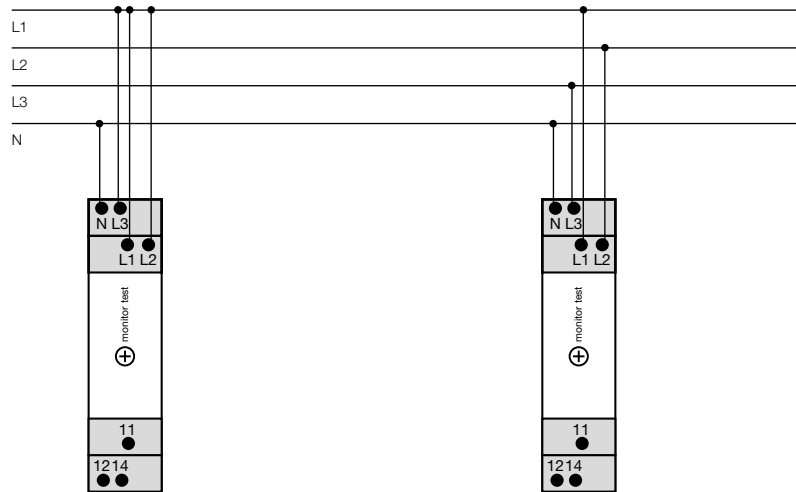


Type of protection: IP 20
 Protection class: II
 Input voltage: 230/400 V, 48 - 63 Hz
 Power rating: 5 VA
 Response value: 0.85 x rated voltage
 Switching capacity: 1250
 Contact set: 1 x isolated changeover relay
 Type of Installation: DIN profile track

Reference number	Dimensions [mm]	Price Category
Network monitor		
09-6302.0177	L 87, B 18, H 65	3-phase network monitoring module with test function 30

Connection: 1-phase

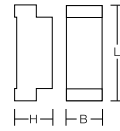
Connection: 3-phase



Modules and components | 3-phase network monitoring module for Bus communication

Suitable for installation in systems complying with DIN VDE 0108.

The Bus power monitoring module is a bus-capable power monitoring module for one, two and three-phase networks. It monitors the network phases for undervoltage, failure and phase shift (in DS networks). In addition, it has a switching and monitoring input which can be addressed by means of potential-free contacts and can be used for diesel startup time monitoring (diesel contact) or other switching options.

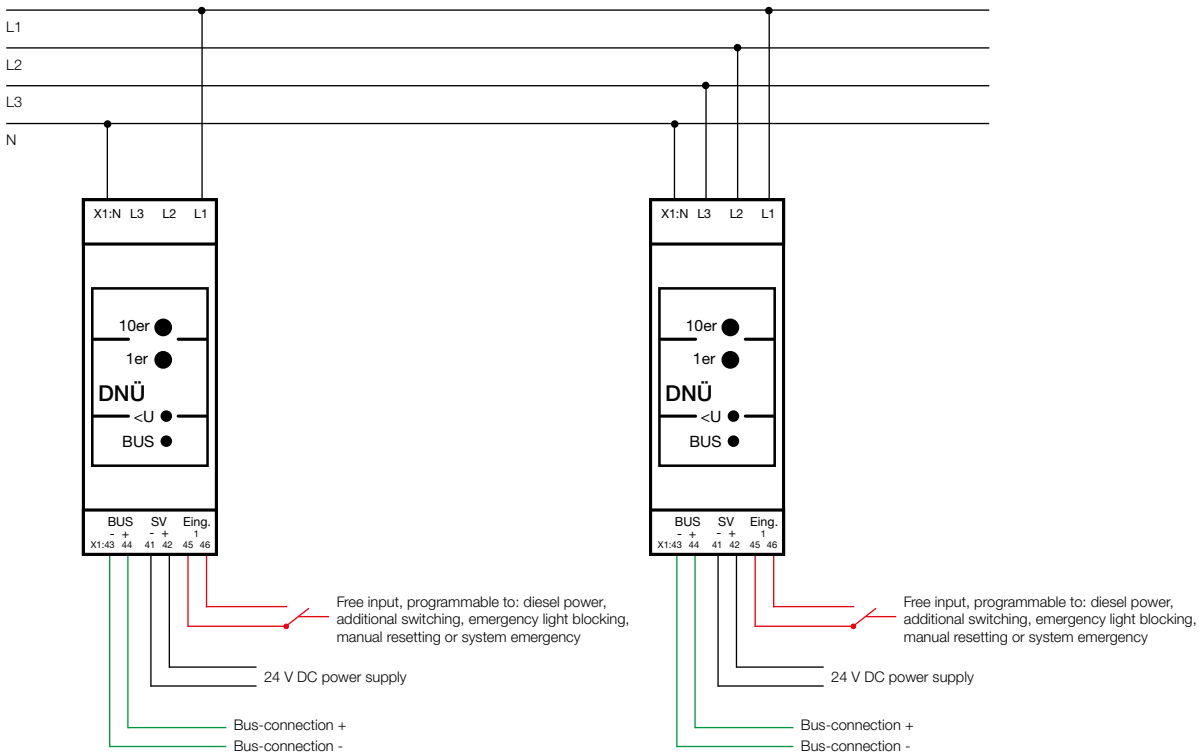


Type of protection: IP 20
 Protection class: II
 Input voltage: 230/400 V, 50/60 Hz
 Power rating: 1 W
 Response value: programmable
 Type of Installation: DIN profile track

Reference number	Dimensions [mm]		Price Category
Network monitor			
985497	L 58, B 34, H 85	3-phase network monitoring module for Bus communication, for DIN-rail mounting	30

Connection: 1-phase

Connection: 3-phase





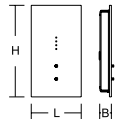
Modules and components | Message tableau

The message and switchboard is used to evaluate status information from our LPS and CPS systems from the RZB LUXIFAIR series. The board evaluates and displays the switch states of the isolated contacts.

The following states can be displayed:

- System ready (LED green)
- Battery feed(LED red)
- Malfunction (flashing red LED)
- plus a freely assignable display

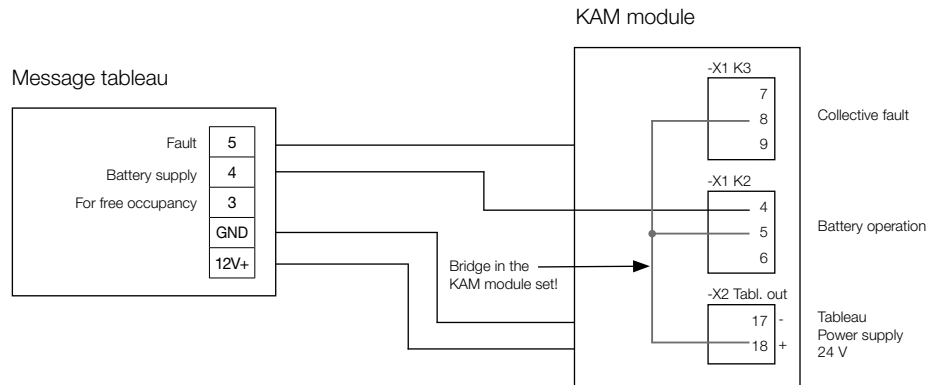
An integrated buzzer also signals malfunctions and these can be acknowledged via a button. The key switch can be used to trigger various switching operations depending on the system, e.g. emergency lighting disable function or DS on/off. The "LED Test" key can be used to check whether the display is working properly (LEDs OK).



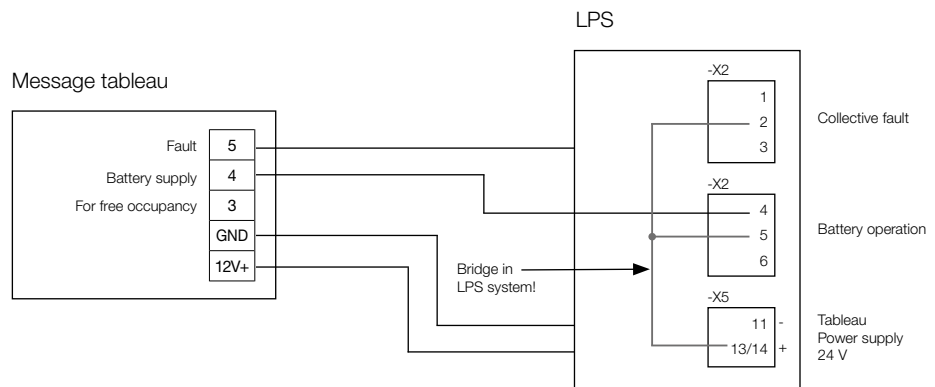
Type of protection: IP 32
 Protection class: III
 Type of Installation: wall (surface)

Reference number	Dimensions [mm]		Price Category
Message tableau			
985402.1	L 131, B 30, H 240	Message tableau with key switch	30

Connection to CPS system



Connection to LPS system



Modules and components | Message tableau Mikro

The message and switchboard is used to evaluate status information from our LPS and CPS systems from the RZB LUXIFAIR series. The board evaluates and displays the switch states of the isolated contacts.

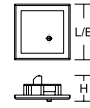
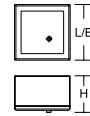
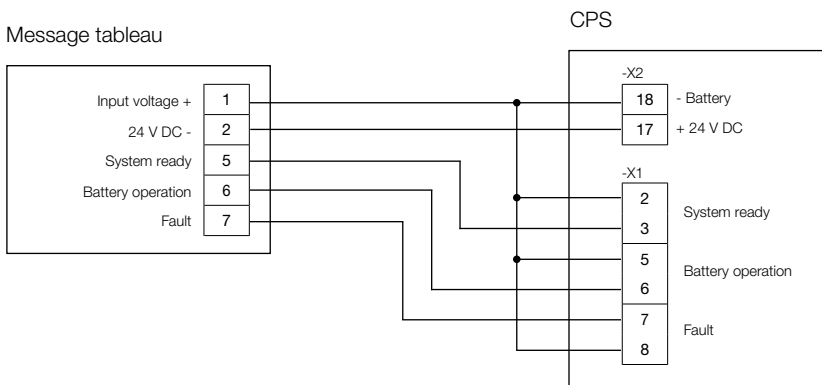
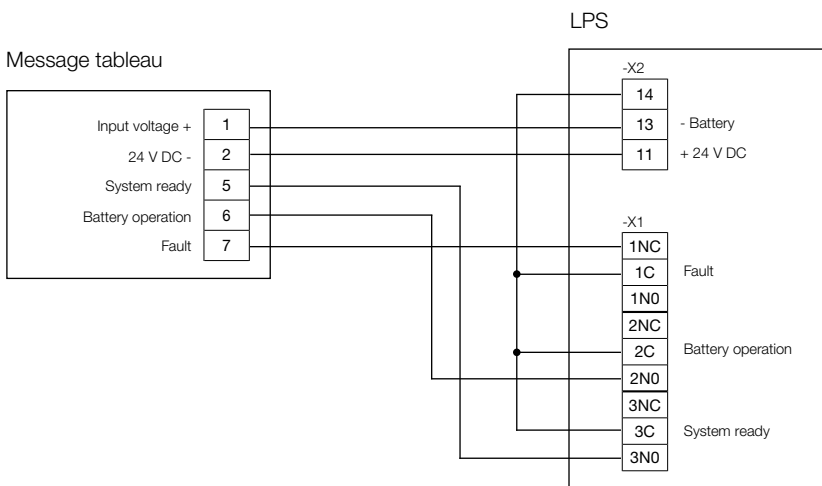
The following states can be displayed:

- System ready (LED green)
- Battery feed(LED red)
- Malfunction (flashing red LED)
- plus a freely assignable display

An integrated buzzer also signals malfunctions and these can be acknowledged via a button. The key switch can be used to trigger various switching operations depending on the system, e.g. emergency lighting disable function or DS on/off. The "LED Test" key can be used to check whether the display is working properly (LEDs OK).

Type of protection: IP 32
Protection class: III

Reference number	Dimensions [mm]	Price Category
Message tableau Mikro, wall surface mounting		
985543	L 81, B 81, H 51	Message tableau with key switch 30
Message tableau Mikro, wall recessed mounting		
985474	L 81, B 81, H 6, HE 40	Message tableau with key switch 30

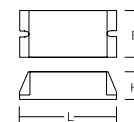

Connection to CPS system

Connection to LPS system




Modules and components | E-Switch

Electronic changeover switch for installation in luminaires.

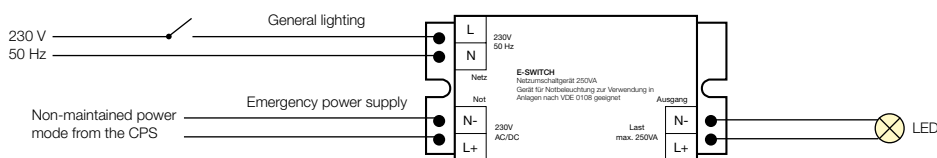
Using the changeover switch, general lighting luminaires can be connected to emergency lighting and operated, provided that they are structurally suited for this. In this situation, the E-Switch is connected simultaneously to the mains supply of the general lighting and the mains supply of the emergency lighting. The emergency lighting mains supply always takes precedence here. In case of a power outage, this ensures that the luminaire also switches on even when the general lighting is switched off.



Type of protection: IP 20
 Protection class: II
 Input voltage: 207-253, 176-264 V DC
 Ambient temperature: -5 °C ... + 50 °C
 Switching time: 100 ms
 Switching capacity: 250 VA

Reference number	Dimensions [mm]		Price Category
Changeover switch			
981352.002	L 82, B 30, H 21	Electronic changeover switch for installation in luminaires	24

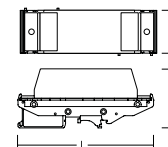
Connection



Modules and components | UE100c

Electronic changeover switch for top-hat-rail mounting.

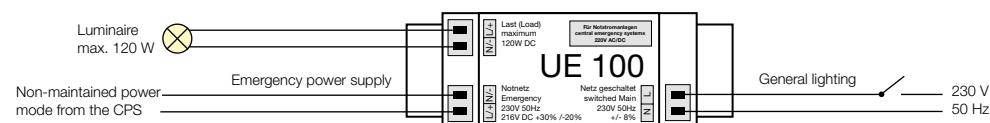
Using the changeover switch, general lighting luminaires can be connected to emergency lighting and operated, provided that they are structurally suited for this. In this situation, the UE110c is connected simultaneously to the mains supply of the general lighting and the mains supply of the emergency lighting. The emergency lighting mains supply always takes precedence here. In case of a power outage, this ensures that the luminaire also switches on even when the general lighting is switched off.



Type of protection: IP 20
 Protection class: II
 Input voltage: 230 V / 50 Hz (+/- 8%) / 216 V DC (+/-20%)
 Ambient temperature: -40 °C ... + 50 °C
 Switching time: 100 ms
 Switching capacity: 250 VA

Reference number	Dimensions [mm]		Price Category
Changeover switch			
982848.002	L 105, B 35, H 52	Electronic changeover switch for top-hat-rail mounting	30

Connection

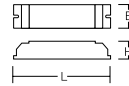


Modules and components | UE-DIM switch

Changeover switch for luminaires / ballasts with luminous flux control via DALI.

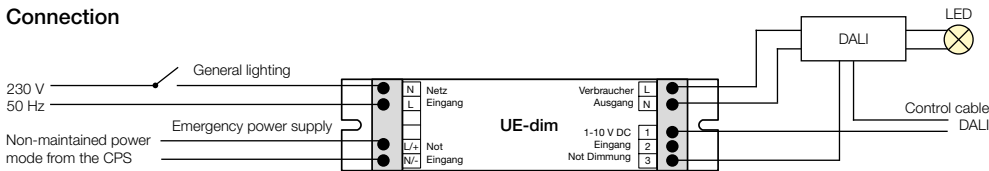
Suitable for luminaires with LED or discharge lamp and electronic converter. Version for selective switching of emergency lighting luminaires together with the general lighting and priority switching for the emergency network. With switching contact for interrupting an external control line in emergency mode.

Type of protection: IP 20
 Protection class: II
 Input voltage AC (1): 230 V 50/60 Hz (+6 / -8%)
 Connected load AC: max. 250 VA
 Input voltage DC (2): 216 V
 Connected load DC: max. 250 W
 Switching point 1: U > 180 V AC / 160 V DC - input 2 (emergency mains),
 Switching from mains operation to emergency operation
 Switching point 2: U < 140 V AC / 150 V DC - input 2 (emergency mains),
 Switching back from emergency operation to mains operation
 Temperature range: t max. = 40 °C, t min. = 5 °C
 Switching time: < 100 ms



Reference number	Dimensions [mm]	Price Category
Changeover switch		
09-6230.000	L 175, B 42, H 33	Electronic switch for dimming operation 30

Connection



Modules and components | TW 500

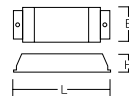
The changeover switch TW 500 is a switching and grid monitoring module that allows for mixed operation of Exit signs and emergency luminaires in the maintained operating mode circuit of a battery group or central battery installation, using various switching modalities. This capability assumes that the relevant luminaires are both AC and DC compatible and that the control gears used in the emergency lighting are EN 50172 compliant.

Specifically, the following connection types can be implemented:

1. Luminaire operation in maintained power mode: no TW 500 required.
2. Luminaire operation in non-maintained power mode: TW 500 required.
3. Luminaire operation in maintained power mode, selectively switchable to non-maintained power mode depending on the general lighting circuitry: TW 500 + switched phase of the general lighting required for control.
4. Luminaire operation in non-maintained power mode, selectively switchable depending on faults/failures in the mains supply of the general lighting: TW 500 + unswitched phase of the general lighting required for control.
5. Combination of circuit types (maintained/non-maintained power modes) acc. to no. 3 and 4: TW 500 + switched phase and unswitched phase of the general lighting required for control.

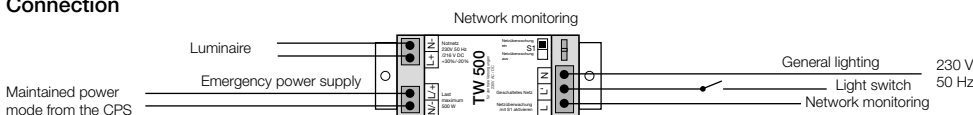
Generally, the luminaire is supplied via the maintained power circuit of the group or central battery system at the L/+ and N/- input. The control inputs L and N (switched phase) or L and N (unswitched phase) are only used to implement the above-mentioned circuit types.

Type of protection: IP 21
 Protection class: I
 Input voltage: 230 50/60 Hz (+8/-15%), 176-268 V DC
 Ambient temperature: 0 °C ... + 50 °C
 Switching time: 100 ms
 Switching capacity: 500 VA



Reference number	Dimensions [mm]	Price Category
Changeover switch		
981811.002	L 105, B 35, H 24	Electronic changeover switch with voltage monitoring 30

Connection



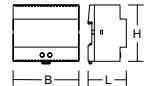


Modules and components | IOM 230

Light switch setting sensor module IOM 230 for direct mains voltage.

The module provides an additional 9 digital inputs for potential-free switching with 230 V AC. Inputs 7 to 9 can also be configured as phase monitors.

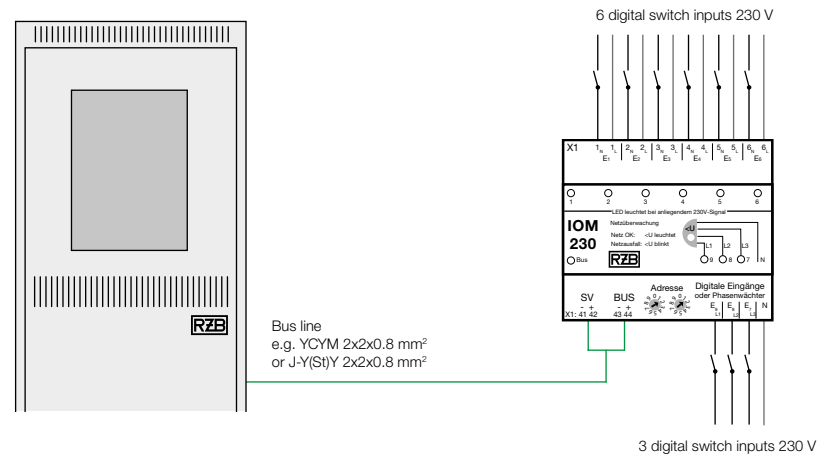
Switch inputs: 9 x 230 V or 6 x 230 V + network monitor
 Plug: up to 2.5 mm²



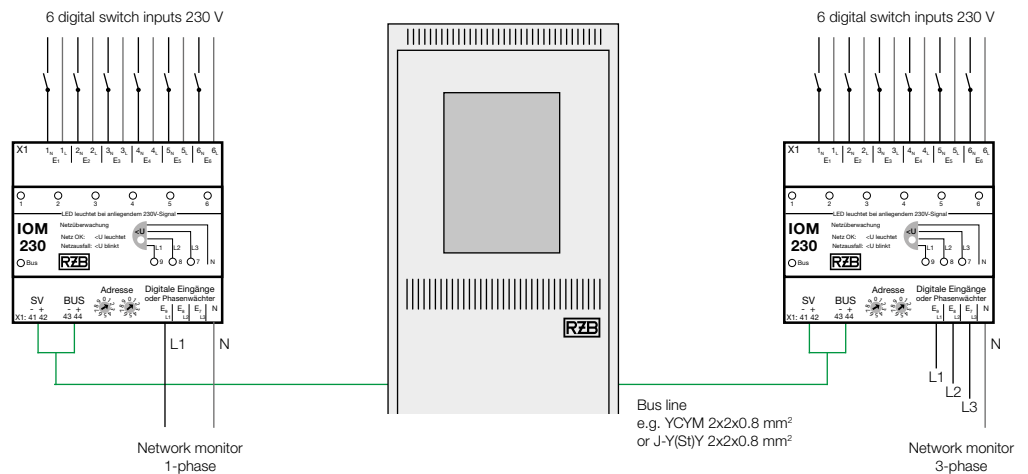
Reference number	Dimensions [mm]		Price Category
Switch sensor module 230 V			
985846	L 66, B 105, H 90	IOM 230 Modul, for on-site external mounting on top-hat rail	30
985844*	L 66, B 105, H 90	IOM 230 Modul, installed in RZB LUXIFAIR central battery system	30

* Installation is only included if the module is ordered together with a central battery system.

External installation in the sub-distribution with 9 digital switching inputs



External installation in the sub-distribution with 9 digital switching inputs and network monitor



Max. bus cable length: 1000 m

Max. distance of bus modules/assemblies to the CPS system: 400 m

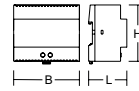
Modules and components | IOM 24

Light switch setting sensor module IOM 24 for potential-free contacts.

The module provides an additional 16 digital inputs for potential-free switching.

Switch inputs: 16 x 24 V

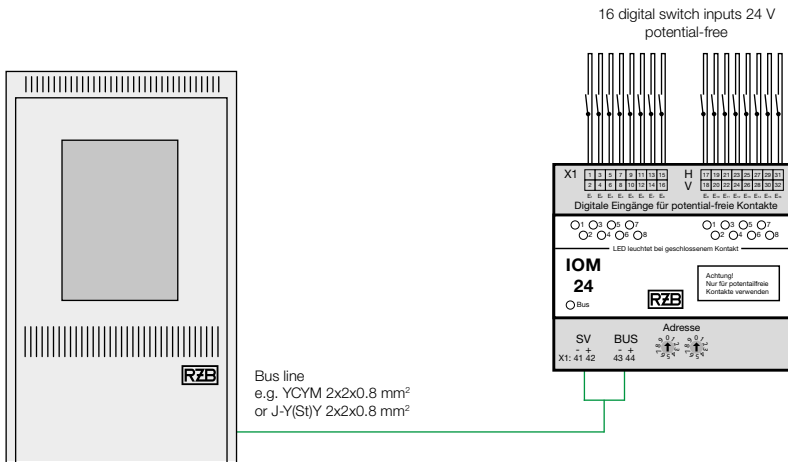
Plug: up to 1.5 mm²



Reference number	Dimensions [mm]		Price Category
Switch sensor module 24 V			
985845	L 66, B 105, H 90	IOM 24 Modul, for on-site external mounting on top-hat rail	30
985843*	L 66, B 105, H 90	IOM 24 Modul, installed in RZB LUXIFAIR central battery system	30

* Installation is only included if the module is ordered together with a central battery system.

External installation in the sub-distribution

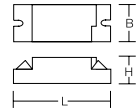




Modules and components | AC-Control

Monitoring module for monitoring individual luminaires of 2-120 W.

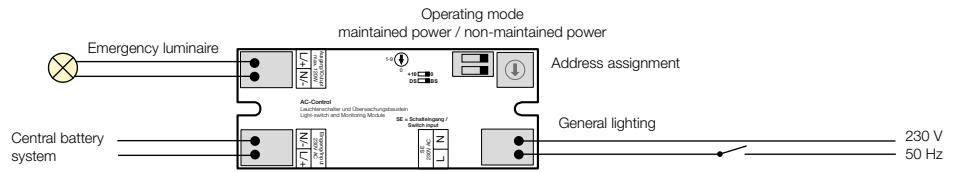
When an AC control module is used, maintained and non-maintained luminaires can be combined in one electric circuit. Individual circuits can be switched using the inputs of the IO module. The luminaire address can be set manually via an externally accessible rotary encoding switch.



Type of protection: IP 20
 Protection class: II
 Input voltage: 230 V AC (+/- 10%), 230 V DC (+/- 20%)

Reference number	Dimensions [mm]	Price Category
Monitoring components		
985487	L 81, B 33, H 24	Address module AC-Control 30

Connection



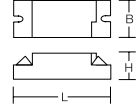
Note: The power supply for the light is provided exclusively by the central battery system, both in mains and emergency operation.



Modules and components | AC-Control DALI

Monitoring module for monitoring individual luminaires of 2-120 W.

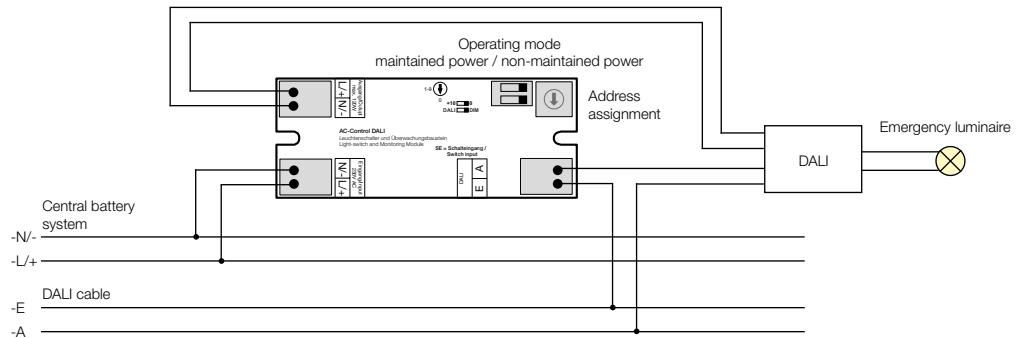
When an AC control module is used, maintained and non-maintained luminaires can be combined in one electric circuit. Individual circuits can be switched using the inputs of the IO module. The luminaire address can be set manually via an externally accessible rotary encoding switch. In emergency mode the DALI contact is automatically interrupted.



Type of protection: IP 20
 Protection class: II
 Input voltage: 230 V AC (+/- 10%), 230 V DC (+/- 20%)

Reference number	Dimensions [mm]	Price Category
Monitoring components		
985526	L 81, B 33, H 24	Address module AC-Control DALI 30

Connection



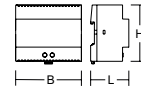
Note: The power supply for the light is provided exclusively by the central battery system, both in mains and emergency operation.

Modules and components | WEB module
Module for visualising and operating RZB LUXIFAIR central battery systems via TCP/IP.

With the WEB module, a LUXIFAIR system can be visualised over the Internet on any number of Windows PCs. All that is needed is a standard web browser.

The WEB module has its own operating system and a display. The user language can be selected between German and English. By means of a permanently assigned IP address, the central battery system can be accessed and conveniently monitored from any Windows PC.

In addition, it is possible to have individual emails sent in the event of a fault. If desired, up to 32 systems can be visualised and monitored together on a single interface using the optionally available PROvisu software.



Reference number	Dimensions [mm]		Price Category
Module for visualisation via TCP/IP			
985849	L 105, B 90, H 62	WEB module, installed in RZB LUXIFAIR central battery system	30

Visualisations

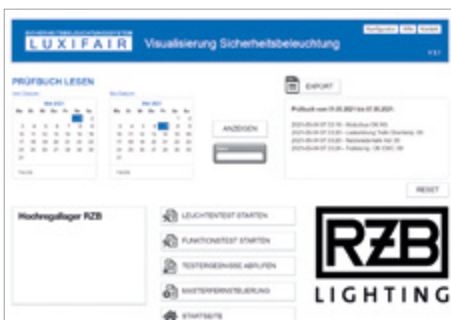
Home page with overview of the systems

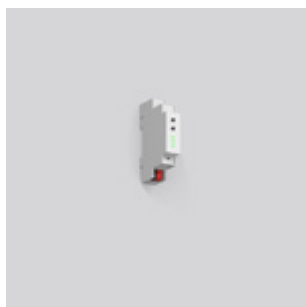


Master remote control



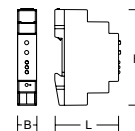
Log book





Modules and components | KNX-Gateway

Module for direct connection of the RZB LUXIFAIR central battery system to an existing KNX building bus system.



Reference number	Dimensions [mm]		Price Category
KNX bus connection module			
985851	L 66, B 105, H 90	KNX-Gateway, installed in RZB LUXIFAIR central battery system	30

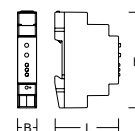
Installation is only included if the module is ordered together with a central battery system.



Modules and components | BACnet-Gateway

Module for direct connection of the RZB LUXIFAIR central battery system to an existing BACnet building bus system.

Type of protection: IP 20



Reference number	Dimensions [mm]		Price Category
BACnet bus connection module			
985852	L 100, B 51, H 65	BACnet-Gateway, installed in RZB LUXIFAIR central battery system	30

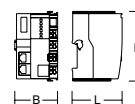
Installation is only included if the module is ordered together with a central battery system.



Modules and components | Modbus-Gateway

Module for direct connection of the RZB LUXIFAIR central battery system to an existing Modbus building bus system.

Type of protection: IP 20



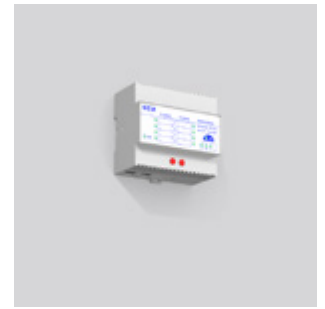
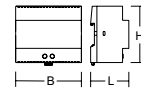
Reference number	Dimensions [mm]		Price Category
Modbus-bus connection module			
985853	L 72, B 62, H 100	Modbus-Gateway, installed in RZB LUXIFAIR central battery system	30

Installation is only included if the module is ordered together with a central battery system.

Modules and components | MEM module

Module for switching between mains and backup mains power in rental areas.

The MEM (tenant power-feed or input/output module) is a switching module between mains and backup mains power within different rental areas.



The MEM contains:

- 4 x signalling relays, with 1 x make contact and 3 x break contacts, each of which can be programmed as make or break contacts. Relays 1 and 2 form a mains switchover for the tenant area, but, like relays 3 and 4, can also be used for signalling and control purposes and can be programmed individually.
- 4 digital switch inputs for 230 V.
- 1 x network monitor, one-, two- and three-phase.

Reference number	Dimensions [mm]	Price Category
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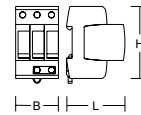
Universal input/output module with tenant power feed

985850	L 66, B 105, H 90	MEM module, installed in RZB LUXIFAIR central battery system	30
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Installation is only included if the module is ordered together with a central battery system.

Modules and components | Surge arrester DEHNgard M

Multi-pole surge arrester DEHNgard M, type 2 in accordance with EN 61643-11. Installed and connected in RZB LUXIFAIR central battery system. Consisting of base part and plugged-in protection modules. High device safety through arrester monitoring with thermodynamic control. For protection of low-voltage consumer installations against overvoltages. For use in the lightning protection zone concept at interfaces $O_B - 1$ and higher.



Reference number	Dimensions [mm]	Price Category
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Surge arrester

985842	L 72, B 66, H 90	Surge arrester, installed in RZB LUXIFAIR central battery system	30
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Installation is only included if the module is ordered together with a central battery system.



GSUN S
DEECOS S
LESS IS MORE 27

© Linus Lintner



LUMINAIRES FOR ESCAPE ROUTE IDENTIFICATION

TENUO
116



HALYXX
122



GSUN S
126



GSUN D
128



GSUN 5 S
130



GSUN 5 D
130



EXEO S
134



EXEO D
134



CENTRYXX D
136



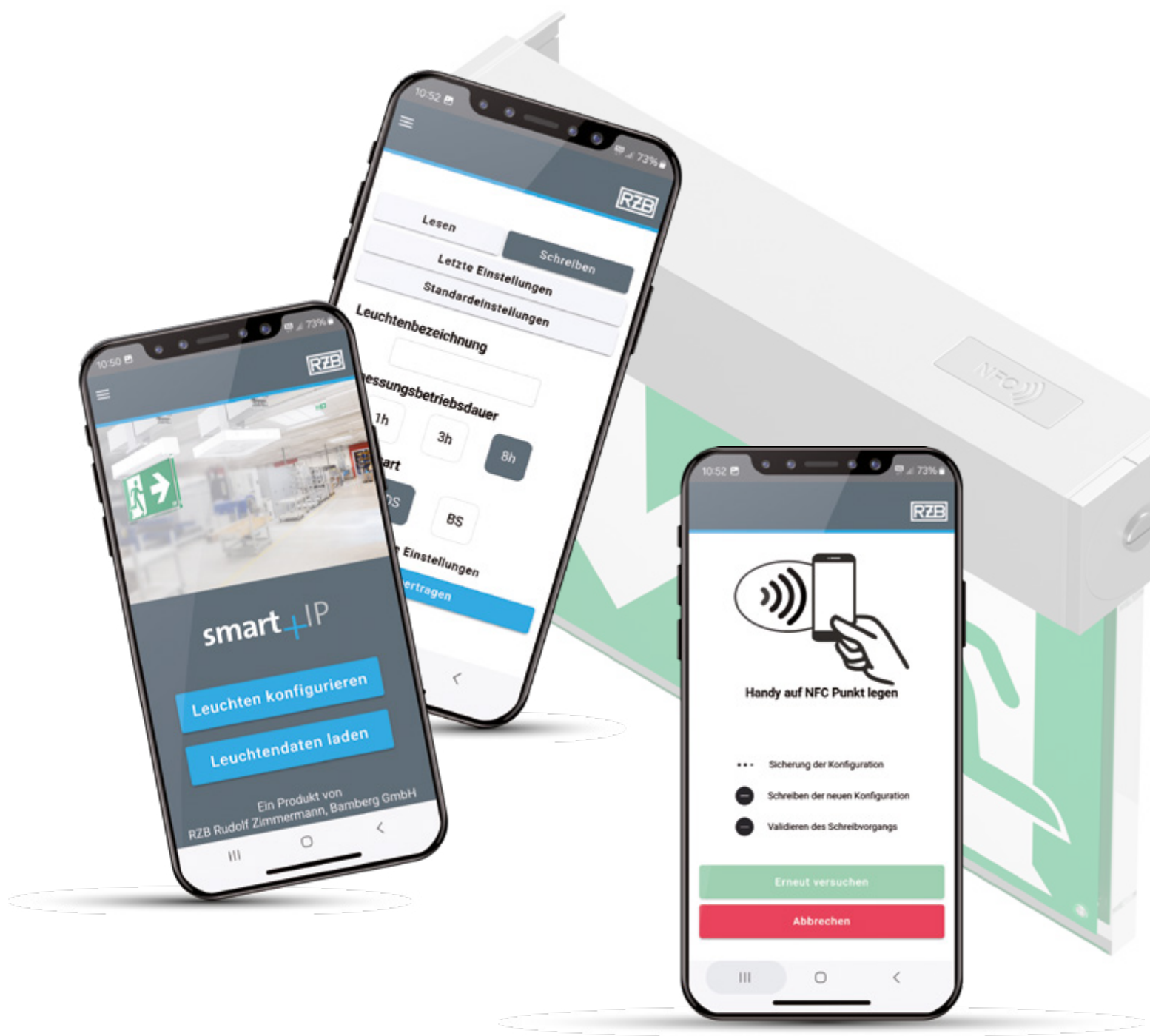
CENTRYXX D RZ
138



		<p>PLANADO 140</p>
		<p>MINISIGN 142</p>
		<p>VARIOPLAST I 144</p>
		<p>GSUN 2 146</p>
		<p>GSUN 3 148</p>
		<p>GSUN 4 152</p>
		<p>RECHTECK 156</p>
		<p>SIGNCUBE 162</p>
		<p>SIGNCUBE IP54 166</p>
		<p>Motif foils 168</p>

SMART+IP

Convenient NFC parameterisation of self-contained emergency luminaires



Convenient NFC parameterisation of self-contained emergency luminaires.

With our smart+IP app, operating parameters such as rated operating time (1/3/8 h) and operating mode (maintained or non-maintained) can be set and read out easily and securely. The app is available for the Android operating system in the Google Play Store. In addition, manual programming is possible via microswitches within the luminaire.



smart+ip App
download now!





Basic settings can be customised via app

Adjustable brightness in mains operation

Configurable switching input

Additional advantages

- ⊕ Even before installation, the luminaire can be conveniently adjusted without any mains supply using the smart+IP app via NFC.
- ⊕ The luminaire can be configured without a central controller.
- ⊕ Luminaire designation possible.
- ⊕ Rated operating time (1/3/8 h) adjustable.
- ⊕ Non-maintained power mode or in maintained power mode can be set.
- ⊕ Automatic self-test (on/off).
- ⊕ Brightness in mains operation adjustable.
- ⊕ Number of duration tests per year adjustable.
- ⊕ Configurable switching input.
- ⊕ Emergency light blocking.
- ⊕ Emergency lighting run-on time.

Luminaires with smart+IP





Plug & Play

Made in Germany

IP40



reddot design award
winner 2011



German Design Award
2012
NOMINEE

TENUO

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

ARCHITECTURE

- **Design-oriented:** Classic, timeless and with minimalist design.
- **Versatile:** 6 types of installation.
- **Long service life:** Anodised aluminium housing.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Uniform:** Perfect, uniform illumination of pictogram through display panel with patented MicroLens technology.
- **Standard:** Specially calculated thermal management.
- **Variable:** Single and double sided escape route signs.

INSTALLATION

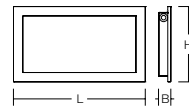
- **Easy installation:** Tool-free assembly.
- **Straightforward:** Installation could not be easier thanks to Plug & Play.
- **Flexible:** Built-in, surface-mounted and suspended luminaires.

Wall luminaires | TENUO

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

Housing: anodised aluminium, silver. Display panel: patented MicroLens technology and legend on one side.

Please indicate legend number when placing your order!


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 4 = silver

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
671944.004	L 350, B 33, H 200	30	4,8	-	3	Autotest	23
671944.004.04	L 350, B 33, H 200	30	4,8	-	3	MultiDigit	23
671944.004.07	L 350, B 33, H 200	30	4,8	-	3	DALI-Sibe	23
672005.004	L 350, B 33, H 200	30	4,8	-	8	Autotest	23
672005.004.04	L 350, B 33, H 200	30	4,8	-	8	MultiDigit	23
672005.004.07	L 350, B 33, H 200	30	4,8	-	8	DALI-Sibe	23

Luminaires for central battery system

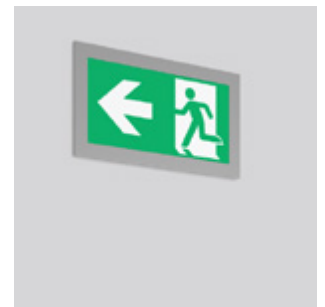
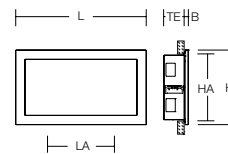
671923.004	L 350, B 33, H 200	30	3,8	3,8		Power circuit	24
671923.004.89	L 350, B 33, H 200	30	4,8	4,8		AC-Control	24

Recessed wall luminaires | TENUO

Type of protection: IP 40
 Protection class: I
 Ceiling thickness S: 5-35 mm
 Impact resistance: IK03

Housing: anodised aluminium, silver. Display panel: patented MicroLens technology and legend on one side.

Please indicate legend number when placing your order!


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 4 = silver

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
Wall cutout LA 175 x HA 175 mm, TE 70 mm							
671943.004	L 350, B 11, H 200	30	4,8	-	3	Autotest	23
671943.004.04	L 350, B 11, H 200	30	4,8	-	3	MultiDigit	23
671943.004.07	L 350, B 11, H 200	30	4,8	-	3	DALI-Sibe	23
672004.004	L 350, B 11, H 200	30	4,8	-	8	Autotest	23
672004.004.04	L 350, B 11, H 200	30	4,8	-	8	MultiDigit	23
672004.004.07	L 350, B 11, H 200	30	4,8	-	8	DALI-Sibe	23

Luminaires for central battery system

Wall cutout LA 175 x HA 175 mm, TE 70 mm							
671922.004	L 350, B 11, H 200	30	3,8	3,8		Power circuit	24
671922.004.89	L 350, B 11, H 200	30	4,8	4,8		AC-Control	24

Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169

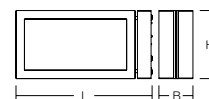


Extensions | TENUO

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

Housing: anodised aluminium, silver. Display panel: patented MicroLens technology and legends on one side/both sides.

Please indicate legend number when placing your order!



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 4 = silver

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
with motif on one side only							
672040.004	L 400, B 100, H 200	30	7,1	-	3	Autotest	23
672040.004.04	L 400, B 100, H 200	30	7,1	-	3	MultiDigit	23
672040.004.07	L 400, B 100, H 200	30	7,1	-	3	DALI-Sibe	23
672041.004	L 400, B 100, H 200	30	7,1	-	8	Autotest	23
672041.004.04	L 400, B 100, H 200	30	7,1	-	8	MultiDigit	23
672041.004.07	L 400, B 100, H 200	30	7,1	-	8	DALI-Sibe	23
with motifs on both sides							
671945.004	L 400, B 100, H 200	30	7,1	-	3	Autotest	23
671945.004.04	L 400, B 100, H 200	30	7,1	-	3	MultiDigit	23
671945.004.07	L 400, B 100, H 200	30	7,1	-	3	DALI-Sibe	23
672006.004	L 400, B 100, H 200	30	7,1	-	8	Autotest	23
672006.004.04	L 400, B 100, H 200	30	7,1	-	8	MultiDigit	23
672006.004.07	L 400, B 100, H 200	30	7,1	-	8	DALI-Sibe	23
Luminaires for central battery system							
with motif on one side only							
672039.004	L 400, B 100, H 200	30	6,1	6,1		Power circuit	24
672039.004.89	L 400, B 100, H 200	30	7,1	7,1		AC-Control	24
with motifs on both sides							
671938.004	L 400, B 100, H 200	30	6,1	6,1		Power circuit	24
671938.004.89	L 400, B 100, H 200	30	7,1	7,1		AC-Control	24

Escape route signs

ISO 7010 | DIN 4844



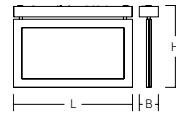
Further symbols can be found on the page 169

Ceiling luminaires | TENUO

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

Housing: anodised aluminium, silver. Display panel: patented MicroLens technology and legends on one side/both sides.

Please indicate legend number when placing your order!


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 4 = silver

Reference number	Dimensions [mm]	[m]	Mains system power [W]	Emergency system power [W]	[h]	Monitoring	Price Category
Self-contained emergency luminaires							
with motif on one side only							
672033.004	L 350, B 56, H 240	30	4,8	-	3	Autotest	23
672033.004.04	L 350, B 56, H 240	30	4,8	-	3	MultiDigit	23
672033.004.07	L 350, B 56, H 240	30	4,8	-	3	DALI-Sibe	23
672042.004	L 350, B 56, H 240	30	4,8	-	8	Autotest	23
672042.004.04	L 350, B 56, H 240	30	4,8	-	8	MultiDigit	23
672042.004.07	L 350, B 56, H 240	30	4,8	-	8	DALI-Sibe	23
with motifs on both sides							
671946.004	L 350, B 56, H 240	30	7,1	-	3	Autotest	23
671946.004.04	L 350, B 56, H 240	30	7,1	-	3	MultiDigit	23
671946.004.07	L 350, B 56, H 240	30	7,1	-	3	DALI-Sibe	23
672007.004	L 350, B 56, H 240	30	7,1	-	8	Autotest	23
672007.004.04	L 350, B 56, H 240	30	7,1	-	8	MultiDigit	23
672007.004.07	L 350, B 56, H 240	30	7,1	-	8	DALI-Sibe	23
Luminaires for central battery system							
with motif on one side only							
672029.004	L 350, B 56, H 240	30	3,8	3,8		Power circuit	24
672029.004.89	L 350, B 56, H 240	30	4,8	4,8		AC-Control	24
with motifs on both sides							
671939.004	L 350, B 56, H 240	30	6,1	6,1		Power circuit	24
671939.004.89	L 350, B 56, H 240	30	7,1	7,1		AC-Control	24

Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169

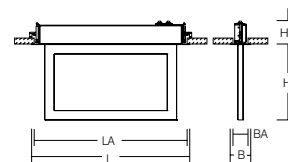


Recessed ceiling luminaires | TENUO

Type of protection: IP 40, IP 20 (above the ceiling)
 Protection class: I
 Ceiling thickness S: 5-35 mm
 Impact resistance: IK03

Housing: anodised aluminium, silver. Display panel: patented MicroLens technology and legends on one side/both sides.

Please indicate legend number when placing your order!



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 4 = silver

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
Ceiling cut out LA 400 x BA 40 mm, HE 90 mm							
with motif on one side only							
672034.004	L 420, B 55, H 202	30	4,8	-	3	Autotest	23
672034.004.04	L 420, B 55, H 202	30	4,8	-	3	MultiDigit	23
672034.004.07	L 420, B 55, H 202	30	4,8	-	3	DALI-Sibe	23
672043.004	L 420, B 55, H 202	30	4,8	-	8	Autotest	23
672043.004.04	L 420, B 55, H 202	30	4,8	-	8	MultiDigit	23
672043.004.07	L 420, B 55, H 202	30	4,8	-	8	DALI-Sibe	23
with motifs on both sides							
671947.004	L 420, B 55, H 202	30	7,1	-	3	Autotest	23
671947.004.04	L 420, B 55, H 202	30	7,1	-	3	MultiDigit	23
671947.004.07	L 420, B 55, H 202	30	7,1	-	3	DALI-Sibe	23
672008.004	L 420, B 55, H 202	30	7,1	-	8	Autotest	23
672008.004.04	L 420, B 55, H 202	30	7,1	-	8	MultiDigit	23
672008.004.07	L 420, B 55, H 202	30	7,1	-	8	DALI-Sibe	23
Luminaires for central battery system							
Ceiling cut out LA 400 x BA 40 mm, HE 90 mm							
with motif on one side only							
672030.004	L 420, B 55, H 202	30	3,8	3,8		Power circuit	24
672030.004.89	L 420, B 55, H 202	30	4,8	4,8		AC-Control	24
with motifs on both sides							
671940.004	L 420, B 55, H 202	30	6,1	6,1		Power circuit	24
671940.004.89	L 420, B 55, H 202	30	7,1	7,1		AC-Control	24

Escape route signs

ISO 7010 | DIN 4844



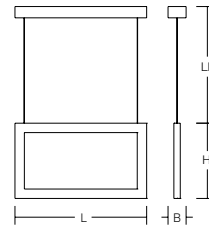
Further symbols can be found on the page 169

Pendant luminaires | TENUO

Type of protection: IP 40
 Protection class: I
 Impact resistance: IK03
 Suspension length LP: 500 mm

Housing: anodised aluminium, silver. Display panel: patented MicroLens technology and legends on one side/both sides. 2-point steel cable suspension, steplessly adjustable.

Please indicate legend number when placing your order!



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 4 = silver

Reference number	Dimensions [mm]	[m]	Mains system power [W]	Emergency system power [W]	[h]	Monitoring	Price Category
Self-contained emergency luminaires							
with motif on one side only							
672036.004	L 350, B 56, H 200	30	4,8	-	3	Autotest	23
672036.004.04	L 350, B 56, H 200	30	4,8	-	3	MultiDigit	23
672036.004.07	L 350, B 56, H 200	30	4,8	-	3	DALI-Sibe	23
with motifs on both sides							
671949.004	L 350, B 56, H 200	30	7,1	-	3	Autotest	23
671949.004.04	L 350, B 56, H 200	30	7,1	-	3	MultiDigit	23
671949.004.07	L 350, B 56, H 200	30	7,1	-	3	DALI-Sibe	23
672010.004	L 350, B 56, H 200	30	7,1	-	8	Autotest	23
672010.004.04	L 350, B 56, H 200	30	7,1	-	8	MultiDigit	23
672010.004.07	L 350, B 56, H 200	30	7,1	-	8	DALI-Sibe	23

Luminaires for central battery system

with motif on one side only

672032.004	L 350, B 56, H 200	30	3,8	3,8		Power circuit	24
672032.004.89	L 350, B 56, H 200	30	4,8	4,8		AC-Control	24

with motifs on both sides

671942.004	L 350, B 56, H 200	30	6,1	6,1		Power circuit	24
671942.004.89	L 350, B 56, H 200	30	7,1	7,1		AC-Control	24

Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169



HALYXX

Wall luminaires, Ceiling luminaires, Recessed ceiling luminaires

ARCHITECTURE

- **Versatile:** 3 types of installation, 3 viewing distances.
- **Long service life:** Anodised aluminium housing.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

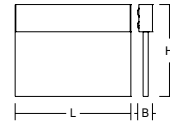
- **Optimum:** Specially calculated thermal management.
- **Variable:** Single and double sided escape route signs.

INSTALLATION

- **Straightforward:** Standard automatic self-test (self contained luminaires).
- **Easy installation:** Easy, no-fuss installation.

Wall luminaires | HALYXX

Type of protection: IP 40
 Protection class: I
 Impact resistance: IK03
 Housing: extruded aluminium profile, anodised or powder-coated.
 Display panel: highly transparent plastic, with motifs on one side.



Please specify legend number when ordering!

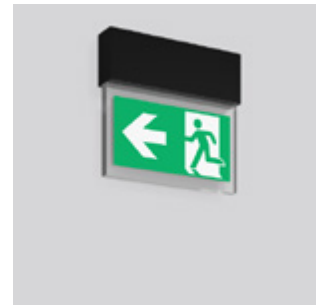
Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

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



Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
Display panel: plastic 170 x 100 mm							
671501.00X.1	L 233, B 40, H 180	14	4,7	-	3	Autotest	23
671501.00X.1.04	L 233, B 40, H 180	14	4,7	-	3	MultiDigit	23
671501.00X.1.07	L 233, B 40, H 180	14	4,7	-	3	DALI-Sibe	23
672457.00X.1	L 233, B 44, H 180	14	4,7	-	8	Autotest	23
672457.00X.1.04	L 233, B 44, H 180	14	4,7	-	8	MultiDigit	23
672457.00X.1.07	L 233, B 44, H 180	14	4,7	-	8	DALI-Sibe	23
Display panel: plastic 235 x 140 mm							
671746.00X.1	L 235, B 40, H 220	19	4,7	-	3	Autotest	23
671746.00X.1.04	L 235, B 40, H 220	19	4,7	-	3	MultiDigit	23
671746.00X.1.07	L 235, B 40, H 220	19	4,7	-	3	DALI-Sibe	23
671895.00X.1	L 235, B 40, H 220	19	4,7	-	8	Autotest	23
671895.00X.1.04	L 235, B 40, H 220	19	4,7	-	8	MultiDigit	23
671895.00X.1.07	L 235, B 40, H 220	19	4,7	-	8	DALI-Sibe	23
Display panel: plastic 340 x 190 mm							
671748.00X.1	L 340, B 40, H 270	30	5,8	-	3	Autotest	23
671748.00X.1.04	L 340, B 40, H 270	30	5,8	-	3	MultiDigit	23
671748.00X.1.07	L 340, B 40, H 270	30	5,8	-	3	DALI-Sibe	23
671912.00X.1	L 340, B 40, H 270	30	5,8	-	8	Autotest	23
671912.00X.1.04	L 340, B 40, H 270	30	5,8	-	8	MultiDigit	23
671912.00X.1.07	L 340, B 40, H 270	30	5,8	-	8	DALI-Sibe	23

Luminaires for central battery system

Display panel: plastic 170 x 100 mm							
671503.00X.1	L 233, B 40, H 180	14	3,7	3,7		Power circuit	24
671503.00X.1.89	L 233, B 40, H 180	14	4,7	4,7		AC-Control	24
Display panel: plastic 235 x 140 mm							
671738.00X.1	L 235, B 40, H 220	19	3,7	3,7		Power circuit	24
671738.00X.1.89	L 235, B 40, H 220	19	4,7	4,7		AC-Control	24
Display panel: plastic 340 x 190 mm							
671722.00X.1	L 340, B 40, H 270	30	4,8	4,8		Power circuit	24
671722.00X.1.89	L 340, B 40, H 270	30	5,8	5,8		AC-Control	24

Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169

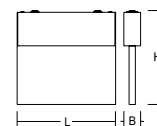


Ceiling luminaires | HALYXX

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

Housing: extruded aluminium profile, anodised or powder-coated.
Display panel: highly transparent panel, plastic, with legend on one side/both sides.

Please specify legend number when ordering!



Self-contained emergency luminaires

Voltage type: AC
Automatic self test in all standard versions.
Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

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

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
Display panel: plastic 170 x 100 mm							
671502.00X.1	L 233, B 40, H 180	14	4,7	-	3	Autotest	23
671502.00X.1.04	L 233, B 40, H 180	14	4,7	-	3	MultiDigit	23
671502.00X.1.07	L 233, B 40, H 180	14	4,7	-	3	DALI-Sibe	23
672458.00X.1	L 233, B 40, H 184	14	4,7	-	8	Autotest	23
672458.00X.1.04	L 233, B 40, H 184	14	4,7	-	8	MultiDigit	23
672458.00X.1.07	L 233, B 40, H 184	14	4,7	-	8	DALI-Sibe	23
Display panel: plastic 235 x 140 mm							
671742.00X.1	L 235, B 40, H 220	19	4,7	-	3	Autotest	23
671742.00X.1.04	L 235, B 40, H 220	19	4,7	-	3	MultiDigit	23
671742.00X.1.07	L 235, B 40, H 220	19	4,7	-	3	DALI-Sibe	23
671896.00X.1	L 235, B 40, H 220	19	4,7	-	8	Autotest	23
671896.00X.1.04	L 235, B 40, H 220	19	4,7	-	8	MultiDigit	23
671896.00X.1.07	L 235, B 40, H 220	19	4,7	-	8	DALI-Sibe	23
Display panel: plastic 340 x 190 mm							
671744.00X.1	L 340, B 40, H 270	30	5,8	-	3	Autotest	23
671744.00X.1.04	L 340, B 40, H 270	30	5,8	-	3	MultiDigit	23
671744.00X.1.07	L 340, B 40, H 270	30	5,8	-	3	DALI-Sibe	23
671913.00X.1	L 340, B 40, H 270	30	5,8	-	8	Autotest	23
671913.00X.1.04	L 340, B 40, H 270	30	5,8	-	8	MultiDigit	23
671913.00X.1.07	L 340, B 40, H 270	30	5,8	-	8	DALI-Sibe	23

Luminaires for central battery system

Display panel: plastic 170 x 100 mm							
671504.00X.1	L 233, B 40, H 184	14	3,7	3,7		Power circuit	24
671504.00X.1.89	L 233, B 40, H 184	14	4,7	4,7		AC-Control	24
Display panel: plastic 235 x 140 mm							
671736.00X.1	L 235, B 40, H 220	19	3,7	3,7		Power circuit	24
671736.00X.1.89	L 235, B 40, H 220	19	4,7	4,7		AC-Control	24
Display panel: plastic 340 x 190 mm							
671737.00X.1	L 340, B 40, H 270	30	4,8	4,8		Power circuit	24
671737.00X.1.89	L 340, B 40, H 270	30	5,8	5,8		AC-Control	24

Pendant kit for self-contained emergency luminaires

981639.010	LP 500	for standard variants, viewing distance 14 m + 19 m		23
981639.040	LP 500	for MultiDigit (.04) / DALI (.07), viewing distance 14 m + 19 m		23
981647.010	LP 500	for standard variants, viewing distance 30 m		23
981647.040	LP 500	for MultiDigit (.04) / DALI (.07), viewing distance 30 m		23

Pendant kit for luminaires for central battery system

981639.060	LP 500	for standard variants, viewing distance 14 m + 19 m		23
981639.020	LP 500	for AC-Control (.89), viewing distance 14 m + 19 m		23
981647.000	LP 500	for standard variants, viewing distance 30 m		23
981647.020	LP 500	for AC-Control (.89), viewing distance 30 m		23

Mounting kit for chains/cable suspensions

981701.004	L 213, B 33, H 77	for viewing distance 14 m + 19 m		23
981702.004	L 318, B 33, H 57	for viewing distance 30 m		23

Suspension cable set

982763.000	LP 3000	Set with 2 steel cables, rapid adjusters and fastening material		23
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Wall extension

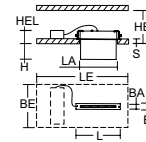
981581.004	L 258, B 38, H 104	for viewing distance 14 m + 19 m		24
981640.004	L 363, B 38, H 104	for viewing distance 30 m		24

Recessed ceiling luminaires | HALYXX

Type of protection: IP 40
 Protection class: I
 Ceiling thickness S: 1-30 mm
 Impact resistance: IK03

Installation housing sheet steel. Ceiling plate stainless steel high polish or powder-coated.
 Display panel: highly transparent panel, plastic, with legend on one side/both sides.

Please specify legend number when ordering!


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

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

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
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Self-contained emergency luminaires
Display panel: plastic 170 x 100 mm – Ceiling cut out LA 255 x BA 42 mm, HE 90 mm

671518.00X.1	L 270, B 55, H 100	14	4,7	-	3	Autotest	23
671518.00X.1.04	L 270, B 55, H 100	14	4,7	-	3	MultiDigit	23
671518.00X.1.07	L 270, B 55, H 100	14	4,7	-	3	DALI-Sibe	23
672459.00X.1	L 270, B 55, H 100	14	4,7	-	8	Autotest	23
672459.00X.1.04	L 270, B 55, H 100	14	4,7	-	8	MultiDigit	23
672459.00X.1.07	L 270, B 55, H 100	14	4,7	-	8	DALI-Sibe	23

Display panel: plastic 235 x 140 mm – Ceiling cut out LA 305 x BA 42 mm, HE 90 mm

671750.00X.1	L 320, B 55, H 140	19	4,7	-	3	Autotest	23
671750.00X.1.04	L 320, B 55, H 140	19	4,7	-	3	MultiDigit	23
671750.00X.1.07	L 320, B 55, H 140	19	4,7	-	3	DALI-Sibe	23
671897.00X.1	L 320, B 55, H 140	19	4,7	-	8	Autotest	23
671897.00X.1.04	L 320, B 55, H 140	19	4,7	-	8	MultiDigit	23
671897.00X.1.07	L 320, B 55, H 140	19	4,7	-	8	DALI-Sibe	23

Display panel: plastic 340 x 190 mm – Ceiling cut out LA 410 x BA 42 mm, HE 90 mm

671752.00X.1	L 424, B 55, H 190	30	5,8	-	3	Autotest	23
671752.00X.1.04	L 424, B 55, H 190	30	5,8	-	3	MultiDigit	23
671752.00X.1.07	L 424, B 55, H 190	30	5,8	-	3	DALI-Sibe	23
671914.00X.1	L 424, B 55, H 190	30	5,8	-	8	Autotest	23
671914.00X.1.04	L 424, B 55, H 190	30	5,8	-	8	MultiDigit	23
671914.00X.1.07	L 424, B 55, H 190	30	5,8	-	8	DALI-Sibe	23

Luminaires for central battery system
Display panel: plastic 170 x 100 mm – Ceiling cut out LA 255 x BA 42 mm, HE 90 mm

671519.00X.1	L 270, B 55, H 100	14	3,7	3,7		Power circuit	24
671519.00X.1.89	L 270, B 55, H 100	14	4,7	4,7		AC-Control	24

Display panel: plastic 235 x 140 mm – Ceiling cut out LA 305 x BA 42 mm, HE 90 mm

671739.00X.1	L 320, B 55, H 140	19	3,7	3,7		Power circuit	24
671739.00X.1.89	L 320, B 55, H 140	19	4,7	4,7		AC-Control	24

Display panel: plastic 340 x 190 mm – Ceiling cut out LA 410 x BA 42 mm, HE 90 mm

671740.00X.1	L 424, B 55, H 190	30	4,8	4,8		Power circuit	24
671740.00X.1.89	L 424, B 55, H 190	30	5,8	5,8		AC-Control	24

Concrete box

981685.000	L 542, B 142, H 143		for viewing distance 14 m				21
981686.000	L 542, B 142, H 143		for viewing distance 19 m				21
981687.000	L 542, B 142, H 143		for viewing distance 30 m				21


Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169



GSUN S

Ceiling and wall luminaires

ARCHITECTURE

- **Robust:** Housing made of top quality aluminium.
- **Variable:** Suitable for mounting on either a ceiling or a wall by simply changing the end caps.
- **Versatile:** Luminaire can be used with accessories (to be ordered separately) for recessed mounting or as pendant luminaire.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **smart+IP:** Quick and easy wireless configuration of operating parameters via NFC using an app.
- **Flexible:** Rated operating time 1/3/8 hrs adjustable for smart+IP versions. Factory setting is to 3h, maintained power mode, automatic self-test.
- **Long service life:** LED rated life 50000 h.
- **Economical:** Very low maintenance costs due to the latest LED technology.

INSTALLATION

- **Straightforward:** Standard automatic self-test (self contained luminaires).
- **Complete:** Set of 5 legends included for easy attachment.
- **Easy installation:** With adapter for rapid installation.

Ceiling and wall luminaires | GSUN S

Type of protection: IP 30
 Protection class: I
 Impact resistance: IK03

Housing: extruded aluminium profile, powder-coated. Universal mounting kit for ceiling and wall surface mounting. 4 legends (motif 3003, 3004, 3005, 3006) and 1 white plug-in plastic sheet included.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

smart+IP: NFC interface for quick and easy wireless configuration of operating parameters. Even before installation, the luminaire can be conveniently adjusted without voltage using the smart+IP app via NFC. Factory setting is to 3h, maintained power mode, automatic self-test. Configuration app for Android for download free of charge.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

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

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
652217.00X.Q */**	L 247, B 45, H 195	24	2	-	1/3/8	Autotest	23
672217.00X.1.04	L 247, B 45, H 195	24	4,7	-	3	MultiDigit	23
672217.00X.1.07	L 247, B 45, H 195	24	4,7	-	3	DALI-Sibe	23
672217.00X.2.04	L 247, B 45, H 195	24	4,6	-	8	MultiDigit	23
672217.00X.2.07	L 247, B 45, H 195	24	4,6	-	8	DALI-Sibe	23
652218.00X.Q */**	L 327, B 45, H 237	32	2,6	-	1/3/8	Autotest	23
672218.00X.1.04	L 327, B 45, H 237	32	5,5	-	3	MultiDigit	23
672218.00X.1.07	L 327, B 45, H 237	32	5,5	-	3	DALI-Sibe	23

Luminaires for central battery system

671983.00X.2	L 247, B 45, H 195	24	3,7	3,7		Power circuit	24
671983.00X.2.89	L 247, B 45, H 195	24	4,7	4,7		AC-Control	24
671985.00X.2	L 327, B 45, H 237	32	4,5	4,5		Power circuit	24
671985.00X.2.89	L 327, B 45, H 237	32	5,5	5,5		AC-Control	24

* Specification of luminaire flux and system power emergency refers to 3 h rated operating time. You will find more detailed information on www.rzb-lighting.com.
 ** **smart+IP:** Luminaire with NFC interface.

Pendant tube set

981777.01X.1	LP 500	for standard variants	23
981777.03X.1	LP 500	for MultiDigit (.04) / DALI (.07) / AC-Control (.89)	23

Suspension cable set

982763.000	LP 3000	Set with 2 steel cables, rapid adjusters and fastening material	23
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Mounting sets

981780.00X.1	L 238, B 40, H 32	Mounting kit for chains/cable suspensions	23
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Mounting frame for recessed ceiling mounting

981883.00X.1	L 330, B 68, H 1, HE 75	for viewing distance 24 m	23
981884.00X.1	L 406, B 68, H 1, HE 75	for viewing distance 32 m	23

Wall bracket

981779.00X.1	L 260, B 46, H 90	for viewing distance 24 m	23
981797.00X.1	L 338, B 46, H 90	for viewing distance 32 m	23

Track adapter

982872.00X	L 243, B 45, H 67	3-circuit track adapter for GSUN S/D.	23
982872.00X.07	L 243, B 45, H 84	3-circuit DALI track adapter for GSUN S/D.	23

Escape route motif foils

991129.03	4 motif foils (1 each of 3113, 3114, 3115, 3116)	for viewing distance 32 m	23
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GSUN D

Ceiling and wall luminaires

ARCHITECTURE

- **Robust:** Housing made of top quality aluminium.
- **Variable:** Suitable for mounting on either a ceiling or a wall by simply changing the end caps.
- **Versatile:** Luminaire can be used with accessories (to be ordered separately) for recessed mounting or as pendant luminaire.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **smart+IP:** Quick and easy wireless configuration of operating parameters via NFC using an app.
- **Flexible:** Rated operating time 1/3/8 hrs adjustable for smart+IP versions. Factory setting is to 3h, maintained power mode, automatic self-test.
- **Long service life:** LED rated life 50000 h.
- **Economical:** Very low maintenance costs due to the latest LED technology.

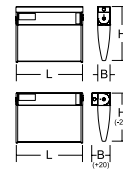
INSTALLATION

- **Straightforward:** Standard automatic self-test (self contained luminaires).
- **Complete:** 5 easy to lay in legends included.
- **Easy installation:** With adapter for rapid installation.

Ceiling and wall luminaires | GSUN D

Type of protection: IP 30
 Protection class: I
 Impact resistance: IK03

Housing: extruded aluminium profile, powder-coated. Universal mounting kit for ceiling and wall surface mounting. 4 legends (motif 3003, 3004, 3005, 3006) and 1 white lay in plastic sheet included.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

smart+IP: NFC interface for quick and easy wireless configuration of operating parameters. Even before installation, the luminaire can be conveniently adjusted without voltage using the smart+IP app via NFC. Factory setting is to 3h, maintained power mode, automatic self-test. Configuration app for Android for download free of charge.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

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

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
652219.00X.Q */**	L 247, B 45, H 200	24	2	-	1/3/8	Autotest	23
672219.00X.1.04	L 247, B 45, H 200	24	4,7	-	3	MultiDigit	23
672219.00X.1.07	L 247, B 45, H 200	24	4,7	-	3	DALI-Sibe	23
672219.00X.2	L 247, B 45, H 200	24	4,7	-	8	Autotest	23
672219.00X.2.04	L 247, B 45, H 200	24	4,7	-	8	MultiDigit	23
672219.00X.2.07	L 247, B 45, H 200	24	4,7	-	8	DALI-Sibe	23

Luminaires for central battery system

671996.00X.2	L 247, B 45, H 200	24	3,7	3,7		Power circuit	24
671996.00X.2.89	L 247, B 45, H 200	24	4,7	4,7		AC-Control	24

* Specification of luminaire flux and system power emergency refers to 3 h rated operating time. You will find more detailed information on www.rzb-lighting.com.
 ** **smart+IP:** Luminaire with NFC interface.

Pendant tube set

981777.01X.1	LP 500	for standard variants		23
981777.03X.1	LP 500	for MultiDigit (.04) / DALI (.07) / AC-Control (.89)		23


Suspension cable set

982763.000	LP 3000	Set with 2 steel cables, rapid adjusters and fastening material		23
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Mounting sets

981780.00X.1	L 238, B 40, H 32	Mounting kit for chains/cable suspensions		23
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Mounting frame for recessed ceiling mounting

982224.00X.1	L 330, B 68, H 1, HE 75			23
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Wall bracket

981779.00X.1	L 260, B 46, H 90	for viewing distance 24 m		23
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Track adapter

982872.00X	L 243, B 45, H 67	3-circuit track adapter for GSUN S/D.		23
982872.00X.07	L 243, B 45, H 84	3-circuit DALI track adapter for GSUN S/D.		23


Escape route motif foils

991130.04	4 motif foils (1 each of 3113, 3114, 3115, 3116)			23
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GSUN 5

Ceiling and wall luminaires

ARCHITECTURE

- **Versatile:** Emergency luminaires for escape route illumination and marking.
- **Protected:** IP 54 type of protection - dust-proof and protected against water spray.
- **Robust:** Housing made of shockproof plastic (polycarbonate).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **smart+IP:** Quick and easy wireless configuration of operating parameters via NFC using an app.
- **Flexible:** Rated operating time 1/3/8 hrs adjustable for smart+IP versions. Factory setting is to 3h, maintained power mode, automatic self-test.
- **MULTIDIGIT air:** Wireless monitoring system for self-contained emergency luminaires with Bluetooth® control for wireless networking.

INSTALLATION

- **Straightforward:** Suitable for through-wiring.
- **Easy installation:** Large cable entry space.
- **Complete:** 5 easy to lay in legends included.
- **Tested:** 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.

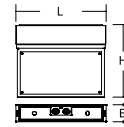


Further luminaires of this series, see:
Escape route illumination | Stand-by luminaires

Ceiling and wall luminaires | GSUN 5 S

Type of protection: IP 54
 Protection class: II

Housing: shockproof plastic (polycarbonate). Display panel: highly transparent panel, plastic, with legend on one side/both sides. Includes 4 plastic foils with escape route motifs (motif 3003, 3004, 3005, 3006) and 1 white plastic foil with mounting pins to attach them with. Large cable entry space. Suitable for through-wiring. Adapter for wall mounting included.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.
 With MULTIDIGIT air Bluetooth® control for wireless networking and operation using Android / iOS devices, free app available for download.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	◀↔ [m]	Mains system power [W]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
672841.002	L 255, B 48, H 204	24	4	-	3	Autotest	23
672841.002.F1	L 255, B 48, H 204	24	4	-	3	MultiDigit air	23
672841.002.04	L 255, B 48, H 204	24	4	-	3	MultiDigit	23
672841.002.07	L 255, B 48, H 204	24	4	-	3	DALI-Sibe	23
Luminaires for central battery system							
672842.002	L 255, B 48, H 204	24	2,2	2,2	3	Power circuit	24
672842.002.89	L 255, B 48, H 204	24	3,2	3,2	3	AC-Control	24

Escape route signs

ISO 7010 | DIN 4844

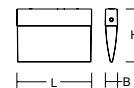


Further symbols can be found on the page 169



Ceiling and wall luminaires | GSUN 5 D

Type of protection: IP 54
 Protection class: II
 Impact resistance: IK04



Housing: shockproof plastic (polycarbonate). Includes 4 legends (motif 3003, 3004, 3005, 3006) and 1 white lay in plastic sheet for fitting in the transparent cover. Large cable entry space. Suitable for through-wiring. Adapter for wall mounting included.

Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

smart+IP: NFC interface for quick and easy wireless configuration of operating parameters. Even before installation, the luminaire can be conveniently adjusted without voltage using the smart+IP app via NFC. Factory setting is to 3h, maintained power mode, automatic self-test. Configuration app for Android for download free of charge.

With MULTIDIGIT air Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
672839.002	L 255, B 48, H 177	24	4	-	3	Autotest	23
672839.002.F1	L 255, B 48, H 177	24	4	-	3	MultiDigit air	23
672839.002.04	L 255, B 48, H 177	24	4	-	3	MultiDigit	23
672839.002.07	L 255, B 48, H 177	24	4	-	3	DALI-Sibe	23
652531.002 */**	L 336, B 56, H 238	32	3,7	-	1/3/8	Autotest	23
672531.002.F1	L 336, B 56, H 238	32	3,5	-	3	MultiDigit air	23
672531.002.04	L 336, B 56, H 238	32	3,5	-	3	MultiDigit	23
672531.002.07	L 336, B 56, H 238	32	3,5	-	3	DALI-Sibe	23
672604.002.F1	L 336, B 56, H 238	32	3,5	-	8	MultiDigit air	23
672604.002.04	L 336, B 56, H 238	32	3,5	-	8	MultiDigit	23
672604.002.07	L 336, B 56, H 238	32	3,5	-	8	DALI-Sibe	23
Luminaires for central battery system							
672840.002	L 255, B 48, H 177	24	2,2	2,2		Power circuit	24
672840.002.89	L 255, B 48, H 177	24	3,2	3,2		AC-Control	24
672532.002	L 336, B 56, H 238	32	3,4	3,4		Power circuit	24
672532.002.89	L 336, B 56, H 238	32	4,3	4,3		AC-Control	24

* Specification of luminaire flux and system power emergency refers to 3 h rated operating time. You will find more detailed information on www.rzb-lighting.com.
 ** **smart+IP:** Luminaire with NFC interface.



Suspension cable set

982763.000	LP 3000	Set with 2 steel cables, rapid adjusters and fastening material	23
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Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169



GSUN 5 D
LESS IS MORE 21
LESS IS MORE BEAMLINER



EXEO

Ceiling and wall luminaires

ARCHITECTURE

- **Protected:** IP 54 type of protection - dustproof and protected against water spray.
- **Robust:** Housing made of shockproof plastic (polycarbonate).

LIGHTING DESIGN

- **Standard:** Self-contained luminaires with 3h rated operating time.
- **Long service life:** LED rated life 50000 h.
- **Economical:** Very low maintenance costs due to the latest LED technology.

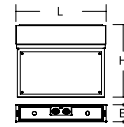
INSTALLATION

- **Straightforward:** With adapter for wall mounting.
- **Complete:** Set of 5 legends included.

Ceiling and wall luminaires | EXEO S

Type of protection: IP 54
 Protection class: II
 Impact resistance: IK03

Housing: shockproof plastic (polycarbonate). Display panel: highly transparent panel, plastic, with legend on one side/both sides. Includes 4 plastic foils with escape route motifs (motif 3003, 3004, 3005, 3006) and 1 white plastic foil with mounting pins to attach them with. Mounting bracket for wall mounting and two sealing screws included in scope of delivery.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

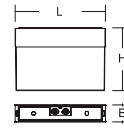
Available colour: 2 = white

Reference number	Dimensions [mm]	[m]	Mains system power [W]	Emergency system power [W]	[h]	Monitoring	Price Category
Self-contained emergency luminaires							
672420.002 .Q	L 255, B 48, H 204	24	4	-	3	Autotest	23

Ceiling and wall luminaires | EXEO D

Type of protection: IP 54
 Protection class: II
 Impact resistance: IK03

Housing: shockproof plastic (polycarbonate). Includes 4 legends (motif 3003, 3004, 3005, 3006) and 1 white lay in plastic sheet for fitting in the transparent cover. Mounting bracket for wall mounting and two sealing screws included in scope of delivery.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	[m]	Mains system power [W]	Emergency system power [W]	[h]	Monitoring	Price Category
Self-contained emergency luminaires							
672400.002 .Q	L 255, B 48, H 177	24	4	-	3	Autotest	23

Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169



CENTRYXX D

Wall luminaires

ARCHITECTURE

- **Protected:** IP 65 type of protection - dustproof and protected against water jets from all directions.
- **Robust:** Impact resistant plastic diffuser is suitable for robust environmental requirements.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Advantageous:** The legend is viewable from three sides.
- **Complies with regulations:** For signposting and illuminating of fire fighting equipment and call points and of first aid posts according EN 1838.
- **Tested:** 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.
- **Clever:** Additional downward emitting LED to illuminate the equipment with min. 5 lx.

INSTALLATION

- **Easy installation:** Easy, no-fuss installation.
- **Straightforward:** Suitable for through-wiring.
- **Adaptable:** Individual legends are possible.
- **Certified:** Qualified for use in the food and drink industry.

Wall luminaires | CENTRYXX D

Type of protection: IP 65
 Protection class: I
 Impact resistance: IK08

For signposting and illuminating of fire fighting equipment and call points and of first aid posts

Base: pressure die-cast aluminium, powder-coated. Diffuser polycarbonate in prismatic shape. Legend both sides, in 90° angle arranged. Downward light emission with elliptical character.

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.

Indicate required motif when placing your order!

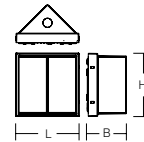
Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 2 = white



Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
672165.002	L 199, B 125, H 199	24	8	-	3	Autotest	23
672165.002.04	L 199, B 125, H 199	24	8	-	3	MultiDigit	23
672165.002.07	L 199, B 125, H 199	24	8	-	3	DALI-Sibe	23
Luminaires for central battery system							
672164.002	L 199, B 125, H 199	24	8	8		Power circuit	24
672164.002.89	L 199, B 125, H 199	24	8	8		AC-Control	24

Mounting sets

982274.002	L 110, B 104, H 14	Mounting set for through wiring surface installation					23
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Legend

	4001		3310
	4002		3308

Further symbols can be found on the page 169



CENTRYXX D RZ

Ceiling and wall luminaires

ARCHITECTURE

- **Protected:** IP 65 type of protection - dustproof and protected against water jets from all directions.
- **Robust:** Impact resistant plastic diffuser is suitable for robust environmental requirements.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Clever:** The legend is viewable from two or three sides.
- **Tested:** 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.
- **Adaptable:** Individual legends are possible.

INSTALLATION

- **Easy installation:** Easy, no-fuss installation.
- **Straightforward:** Suitable for through-wiring.
- **Advantageous:** Extensive installation accessories for any application scenarios.
- **Certified:** Qualified for use in the food and drink industry.

Ceiling and wall luminaires | CENTRYXX D RZ

Type of protection: IP 65
 Protection class: I
 Impact resistance: IK08

Base: pressure die-cast aluminium, powder-coated. Diffuser polycarbonate in prismatic shape. Legend both sides, in 90° angle arranged.

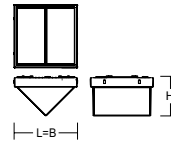
Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Indicate required motif when placing your order!

Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 2 = white



Reference number	Dimensions [mm]	[m]	Mains system power [W]	Emergency system power [W]	[h]	Monitoring	Price Category
Self-contained emergency luminaires							
672250.002	L 199, B 199, H 125	17	3,5	-	3	Autotest	23

Mounting sets

982274.002	L 110, B 104, H 14	Mounting set for through wiring surface installation	23
982341.002	L 130, B 130, H 18	Mounting kit for chains/cable suspensions	23



Pendant tube set

982425.002	L 128, B 128, H 25, LP 500	for standard variants	23
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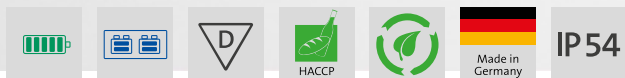


Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169



PLANADO

Wall luminaires

ARCHITECTURE

- **Design-oriented:** Attractive escape sign luminaire.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA), opal.
- **Tested:** 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.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Straightforward:** Several monitoring options possible.
- **Complete:** 4 legends for escape route identification included.
- **Easy to maintain:** Very low maintenance costs due to the latest LED technology.

INSTALLATION

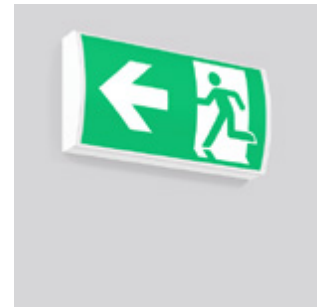
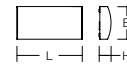
- **Tested:** Qualified for use in the food and drink industry.
- **Easy installation:** Easy, no-fuss installation.
- **Standard:** Suitable for through-wiring.
- **Advantageous:** Large cable entry space.

Wall luminaires | PLANADO

Type of protection: IP 54
 Protection class: I
 Impact resistance: IK05

Housing and end caps made of sheet steel, powder coated. Curved diffuser made of non-yellowing plastic (PMMA), opal. End caps with hidden screws, with permanently dimensionally stable silicone foam seal. Driver integrated. Replaceable LED unit. Suitable for through-wiring. 4 legends for escape route identification included (motif 3003, 3004, 3005, 3006).

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


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
672618.002	L 320, B 160, H 59	30	3	-	3	Autotest	23
672618.002.04	L 320, B 160, H 59	30	3,1	-	3	MultiDigit	23
672618.002.07	L 320, B 160, H 59	30	3,1	-	3	DALI-Sibe	23
672620.002	L 320, B 160, H 59	30	3,1	-	8	Autotest	23
672620.002.04	L 320, B 160, H 59	30	3,1	-	8	MultiDigit	23
672620.002.07	L 320, B 160, H 59	30	3,1	-	8	DALI-Sibe	23

Luminaires for central battery system

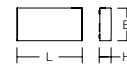
672612.002	L 320, B 160, H 59	30	2,2	2,1		Power circuit	24
672612.002.89	L 320, B 160, H 59	30	3,2	3,1		AC-Control	24

Wall luminaires | PLANADO

Type of protection: IP 54
 Protection class: I
 Impact resistance: IK05

Housing and end caps made of sheet steel, powder coated. Rectangular diffuser made of non-yellowing plastic (PMMA), opal. End caps with hidden screws, with permanently dimensionally stable silicone foam seal. Driver integrated. Replaceable LED unit. Suitable for through-wiring. 4 legends for escape route identification included (motif 3003, 3004, 3005, 3006).

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.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
672617.002	L 320, B 160, H 59	30	3	-	3	Autotest	23
672617.002.04	L 320, B 160, H 59	30	3,1	-	3	MultiDigit	23
672617.002.07	L 320, B 160, H 59	30	3,1	-	3	DALI-Sibe	23
672619.002	L 320, B 160, H 59	30	3,1	-	8	Autotest	23
672619.002.04	L 320, B 160, H 59	30	3,1	-	8	MultiDigit	23
672619.002.07	L 320, B 160, H 59	30	3,1	-	8	DALI-Sibe	23

Luminaires for central battery system

672611.002	L 320, B 160, H 59	30	2,2	2,1		Power circuit	24
672611.002.89	L 320, B 160, H 59	30	3,2	3,1		AC-Control	24

Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169



MINISIGN

Ceiling and wall luminaires

ARCHITECTURE

- **Variable:** Suitable for mounting on either a ceiling or a wall by simply changing the end caps.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Ideal:** Several monitoring options possible.
- **Easy to maintain:** Reliable and long life LED technology.

INSTALLATION

- **Easy installation:** Easy, no-fuss installation.
- **Complete:** 4 legends for escape route identification included.

Ceiling and wall luminaires | MINISIGN

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

Base: metal, powder-coated. Diffuser: plastic (polycarbonate), opal. 4 legends for escape route identification included (motif 3003, 3004, 3005, 3006).



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 2 = white



Reference number	Dimensions [mm]	[m]	Mains system power [W]	Emergency system power [W]	[m]	Monitoring	Price Category
Self-contained emergency luminaires							
672188.002	L 230, B 103, H 76	14	4,8	-	3	Autotest	23
672188.002.04	L 230, B 103, H 76	14	4,8	-	3	MultiDigit	23
672188.002.07	L 230, B 103, H 76	14	4,8	-	3	DALI-Sibe	23
672189.002	L 230, B 103, H 76	14	4,8	-	8	Autotest	23
672189.002.04	L 230, B 103, H 76	14	4,8	-	8	MultiDigit	23
672189.002.07	L 230, B 103, H 76	14	4,8	-	8	DALI-Sibe	23
Luminaires for central battery system							
672190.002	L 230, B 106, H 76	14	3,8	3,8		Power circuit	24
672190.002.89	L 230, B 106, H 76	14	4,8	4,8		AC-Control	24

Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169



VARIOPLAST I

Wall luminaires

ARCHITECTURE

- **Protected:** Type of protection IP 65, dustproof and jet-proof.
- **Robust:** All-plastic luminaires, shockproof.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Ideal:** Several monitoring options possible.
- **Tested:** 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.
- **Certified:** Qualified for use in the food and drink industry.

INSTALLATION

- **Robust:** Ball impact proof in accordance with DIN 18032-3.
- **Easy installation:** Easy, no-fuss installation.
- **Complete:** 4 legends for escape route identification included.



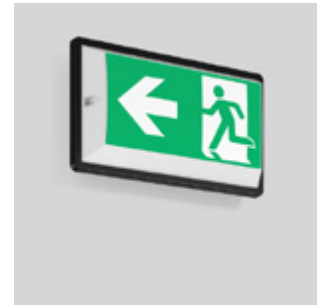
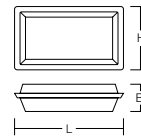
Further luminaires of this series, see:
Escape route illumination | Stand-by luminaires

Wall luminaires | VARIOPLAST I

Type of protection: IP 65
 Protection class: I
 Impact resistance: IK08

Base: plastic (polycarbonate). Diffuser: shockproof plastic (polycarbonate).
 4 legends for escape route identification included (motif 3003, 3004, 3005, 3006).
 Ball impact proof in accordance with DIN 18032-3.

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.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

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

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
672126.00X	L 320, B 80, H 186	24	5,8	-	3	Autotest	23
672126.00X.04	L 320, B 80, H 186	24	5,8	-	3	MultiDigit	23
672126.00X.07	L 320, B 80, H 186	24	5,8	-	3	DALI-Sibe	23
672175.00X	L 320, B 80, H 186	24	5,8	-	8	Autotest	23
672175.00X.04	L 320, B 80, H 186	24	5,8	-	8	MultiDigit	23
672175.00X.07	L 320, B 80, H 186	24	5,8	-	8	DALI-Sibe	23

Luminaires for central battery system

672128.00X	L 320, B 80, H 186	24	4,8	2,2		Power circuit	24
672128.00X.89	L 320, B 80, H 186	24	5,5	3,2		AC-Control	24

Weatherproof housing

982477.014	L 383, B 220, H 109	silver metallic					24
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Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169



IP40

GSUN 2

Wall luminaires

ARCHITECTURE

- **Standard:** Self-contained luminaires with 3h rated operating time.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Ideal:** Reliable and long life LED technology.
- **Economical:** Very low power consumption.

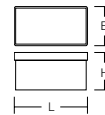
INSTALLATION

- **Complete:** 4 legends for escape route identification included.
- **Reduced:** Fitted as standard with test button.

Wall luminaires | GSUN 2

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

Base: plastic, white. Diffuser: plastic, opal. 4 legends for escape route identification included (motif 3003, 3004, 3005, 3006). Fitted as standard with test button.



Self-contained emergency luminaires

Voltage type: AC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	[m]	Mains system power [W]	Emergency system power [W]	[h]	Monitoring	Price Category
Self-contained emergency luminaires							
651817.002	L 215, B 115, H 110	19	2	-	3	Test button	23

Ball impact guard

981167.002	L 380, B 295, H 185						23
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Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169



GSUN 3

Ceiling and wall luminaires, Wall luminaires

ARCHITECTURE

- **Robust:** IP 54 type of protection - dustproof and protected against water spray.
- **Protected:** All-plastic luminaires, shockproof.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Ideal:** Several monitoring options possible.
- **Complete:** 4 legends for escape route identification included.

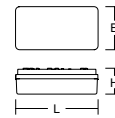
INSTALLATION

- **Easy installation:** Easy, no-fuss installation.
- **Extensive:** Wide range of applications thanks to either surface or recessed ceiling installation.

Ceiling and wall luminaires | GSUN 3

Type of protection: IP 54
 Protection class: II
 Impact resistance: IK03

Base: plastic. Diffuser: plastic, opal. 4 legends for escape route identification included (motif 3003, 3004, 3005, 3006).



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	[m]	Mains system power [W]	Emergency system power [W]	[h]	Monitoring	Price Category
Self-contained emergency luminaires							
672520.002 .Q	L 241, B 126, H 147	21	4	-	3	Autotest	23
672520.002.04	L 241, B 126, H 147	21	4	-	3	MultiDigit	23
672520.002.07	L 241, B 126, H 147	21	4	-	3	DALI-Sibe	23
672521.002	L 241, B 126, H 147	21	4	-	8	Autotest	23
672521.002.04	L 241, B 126, H 147	21	4	-	8	MultiDigit	23
672521.002.07	L 241, B 126, H 147	21	4	-	8	DALI-Sibe	23
Luminaires for central battery system							
672522.002	L 241, B 126, H 147	21	4	4		Power circuit	24
672522.002.89	L 241, B 126, H 147	21	5	5		AC-Control	24

Ball impact guard

981167.002	L 380, B 295, H 185	23
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Canopy with pendant tube

983101.002	Pendant length LP 500	23
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Mounting sets

983100.000	L 230, B 115, H 24	Mounting kit for chains/cable suspensions	23
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Wall bracket

981144.002.1	L 252, B 133, H 60	23
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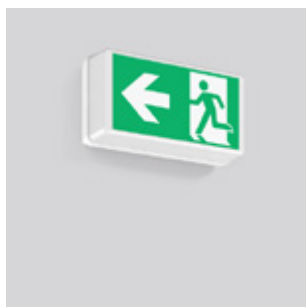


Escape route signs

ISO 7010 | DIN 4844



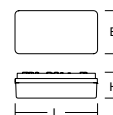
Further symbols can be found on the page 169



Wall luminaires | GSUN 3

Type of protection: IP 54
 Protection class: II
 Impact resistance: IK03

Base: plastic. Diffuser: plastic, opal. 4 legends for escape route identification included (motif 3003, 3004, 3005, 3006).



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
672517.002 .Q	L 241, B 126, H 76	21	4	-	3	Autotest	23
672517.002.04	L 241, B 126, H 76	21	4	-	3	MultiDigit	23
672517.002.07	L 241, B 126, H 76	21	4	-	3	DALI-Sibe	23
672518.002	L 241, B 126, H 76	21	4	-	8	Autotest	23
672518.002.04	L 241, B 126, H 76	21	4	-	8	MultiDigit	23
672518.002.07	L 241, B 126, H 76	21	4	-	8	DALI-Sibe	23
Luminaires for central battery system							
672519.002	L 241, B 126, H 76	21	4	4		Power circuit	24
672519.002.89	L 241, B 126, H 76	21	5	5		AC-Control	24



Ball impact guard

981167.002	L 380, B 295, H 185						23
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Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169



GSUN 3
PLANOX ECO



GSUN 4

Ceiling and wall luminaires, Wall luminaires

ARCHITECTURE

- **Robust:** IP 54 type of protection - dustproof and protected against water spray.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Standard:** Self-contained luminaires with 3h rated operating time.
- **Complete:** 4 legends for escape route identification included.

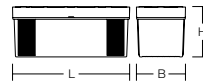
INSTALLATION

- **Easy installation:** Easy, no-fuss installation.
- **Extensive:** Wide range of applications thanks to either surface or recessed ceiling installation.

Ceiling and wall luminaires | GSUN 4

Type of protection: IP 54
 Protection class: II (I for .04)

Base: plastic (polycarbonate). Diffuser: plastic (polycarbonate), opal.
 4 legends for escape route identification included (motif 3003, 3004, 3005, 3006).


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
671819.002.2	L 344, B 144, H 148	21	4	-	3	Autotest	23
671819.002.2.04	L 344, B 144, H 148	21	4	-	3	MultiDigit	23
671819.002.2.07	L 344, B 144, H 148	21	4	-	3	DALI-Sibe	23
Luminaires for central battery system							
671820.002.2	L 344, B 144, H 148	21	6	6		Power circuit	24
671820.002.2.89	L 344, B 144, H 148	21	7	7		AC-Control	24

Ball impact guard

981167.002	L 380, B 295, H 185						23
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Mounting sets

981583.002	L 295, B 135, H 26	Mounting kit for chains/cable suspensions					24
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Pendant tube

90-4164.002	Pendant length LP 500						23
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Suspension cable set

982763.000	LP 3000	Set with 2 steel cables, rapid adjusters and fastening material					23
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Wall extension

981485.002	L 374, B 147, H 75						23
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Escape route signs

ISO 7010 | DIN 4844



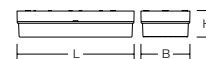
Further symbols can be found on the page 169



Wall luminaires | GSUN 4

Type of protection: IP 54
Protection class: II (I for .04)

Base: plastic (polycarbonate). Refractor: plastic (polycarbonate), transparent, prismatic.
4 legends for escape route identification included (motif 3003, 3004, 3005, 3006).



Self-contained emergency luminaires

Voltage type: AC
Automatic self test in all standard versions.
Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
671792.002.2	L 344, B 144, H 78	25	4	-	3	Autotest	23
671792.002.2.04	L 344, B 144, H 78	25	4	-	3	MultiDigit	23
671792.002.2.07	L 344, B 144, H 78	25	4	-	3	DALI-Sibe	23
Luminaires for central battery system							
671793.002.2	L 344, B 144, H 78	25	6	6		Power circuit	24
671793.002.2.89	L 344, B 144, H 78	25	7	7		AC-Control	24
Ball impact guard							
981167.002	L 380, B 295, H 185						23



Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169





RECHTECK

Wall luminaires, Extensions, Ceiling luminaires, Pendant luminaires

ARCHITECTURE

- **Versatile:** 5 types of installation, 3 viewing distances.
- **Striking:** Viewing distances of up to 43 m.
- **Long service life:** High quality aluminium profile housing.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Clever:** The downward light emission acts as additional illumination of escape routes or support facilities.
- **smart+IP:** Quick and easy wireless configuration of operating parameters via NFC using an app.
- **Flexible:** Rated operating time 1/3/8 hrs adjustable for smart+IP versions. Factory setting is to 3h, maintained power mode, automatic self-test.

INSTALLATION

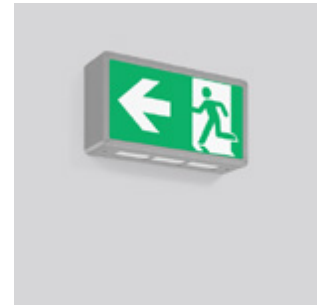
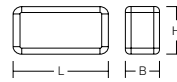
- **Extensive:** Wide range of applications thanks to various types of installation.
- **Adaptable:** Individual legends are possible.

Wall luminaires | RECHTECK

Type of protection: IP 44
 Protection class: I
 Impact resistance: IK03

Housing: aluminium, with plastic corner connectors. Display panel: plastic, opal, with legend on one side. Light emission: downwards.

Please specify legend number when ordering!


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

smart+IP: NFC interface for quick and easy wireless configuration of operating parameters. Even before installation, the luminaire can be conveniently adjusted without voltage using the smart+IP app via NFC. Factory setting is to 3h, maintained power mode, automatic self-test. Configuration app for Android for download free of charge.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colours (X): 2 = white, 4 = aluminium, anodised

Reference number	Dimensions [mm]	[m]	Mains system power [W]	Emergency system power [W]	[h]	Monitoring	Price Category
Self-contained emergency luminaires							
RECHTECK 250							
651045.00X.1 */**	L 250, B 90, H 140	21	3	-	1/3/8	Autotest	23
671045.00X.1.04	L 250, B 90, H 140	21	3,1	-	3	MultiDigit	23
671045.00X.1.07	L 250, B 90, H 140	21	3,1	-	3	DALI-Sibe	23
RECHTECK 360							
651061.00X.1 */**	L 362, B 90, H 192	32	3	-	1/3/8	Autotest	23
672708.00X.1.04	L 362, B 90, H 192	32	3,5	-	3	MultiDigit	23
672708.00X.1.07	L 362, B 90, H 192	32	3,5	-	3	DALI-Sibe	23
RECHTECK 485							
651077.00X.1 */**	L 485, B 90, H 250	43	4,6	-	1/3/8	Autotest	23
671077.00X.1.04	L 485, B 90, H 250	43	5,1	-	3	MultiDigit	23
671077.00X.1.07	L 485, B 90, H 250	43	5,1	-	3	DALI-Sibe	23

Luminaires for central battery system

RECHTECK 250							
671207.00X.1	L 250, B 90, H 140	21	2	2		Power circuit	24
671207.00X.1.89	L 250, B 90, H 140	21	3	3		AC-Control	24
RECHTECK 360							
672709.00X.1	L 362, B 90, H 192	32	3,6	3,6		Power circuit	24
672709.00X.1.89	L 362, B 90, H 192	32	4,6	4,6		AC-Control	24
RECHTECK 485							
671229.00X.1	L 485, B 90, H 250	43	4,1	4,1		Power circuit	24
671229.00X.1.89	L 485, B 90, H 250	43	5,1	5,1		AC-Control	24

* Specification of luminaire flux and system power emergency refers to 3 h rated operating time. You will find more detailed information on www.rzb-lighting.com.
 ** **smart+IP:** Luminaire with NFC interface.

Ball impact guard

981168.002	L 540, B 375, H 185						23
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Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169

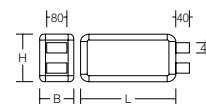


Extensions | RECHTECK

Type of protection: IP 44
 Protection class: I
 Impact resistance: IK03

Housing: aluminium, with plastic corner connectors. Display panels: plastic, opal, with motifs on both sides. Light emission: downwards.

Please specify legend number when ordering!



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

smart+IP: NFC interface for quick and easy wireless configuration of operating parameters. Even before installation, the luminaire can be conveniently adjusted without voltage using the smart+IP app via NFC. Factory setting is to 3h, maintained power mode, automatic self-test. Configuration app for Android for download free of charge.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colours (X): 2 = white, 4 = aluminium, anodised

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
RECHTECK 250							
651049.00X.1 */**	L 250, B 125, H 140	21	4,5	-	1/3/8	Autotest	23
671049.00X.1.04	L 250, B 125, H 140	21	4,6	-	3	MultiDigit	23
671049.00X.1.07	L 250, B 125, H 140	21	4,6	-	3	DALI-Sibe	23
RECHTECK 360							
651065.00X.1 */**	L 362, B 125, H 192	32	4,6	-	1/3/8	Autotest	23
671065.00X.1.04	L 362, B 125, H 192	32	5,1	-	3	MultiDigit	23
671065.00X.1.07	L 362, B 125, H 192	32	5,1	-	3	DALI-Sibe	23
RECHTECK 485							
651081.00X.1 */**	L 485, B 125, H 250	43	6,8	-	1/3/8	Autotest	23
671081.00X.1.04	L 485, B 125, H 250	43	7,3	-	3	MultiDigit	23
671081.00X.1.07	L 485, B 125, H 250	43	7,3	-	3	DALI-Sibe	23
Luminaires for central battery system							
RECHTECK 250							
671209.00X.1	L 250, B 125, H 140	21	3,5	3,5		Power circuit	24
671209.00X.1.89	L 250, B 125, H 140	21	4,5	4,5		AC-Control	24
RECHTECK 360							
671217.00X.1	L 362, B 125, H 192	32	4,2	4,2		Power circuit	24
671217.00X.1.89	L 362, B 125, H 192	32	5,2	5,2		AC-Control	24
RECHTECK 485							
671231.00X.1	L 485, B 125, H 250	43	6,3	6,3		Power circuit	24
671231.00X.1.89	L 485, B 125, H 250	43	7,3	7,3		AC-Control	24

* Specification of luminaire flux and system power emergency refers to 3 h rated operating time. You will find more detailed information on www.rzb-lighting.com.
 ** **smart+IP:** Luminaire with NFC interface.

Escape route signs

ISO 7010 | DIN 4844



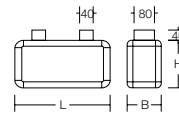
Further symbols can be found on the page 169

Ceiling luminaires | RECHTECK

Type of protection: IP 44
 Protection class: I
 Impact resistance: IK03

Housing: aluminium, with plastic corner connectors. Display panels: plastic, opal, with motifs on both sides. Light emission: downwards.

Please specify legend number when ordering!


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

smart+IP: NFC interface for quick and easy wireless configuration of operating parameters. Even before installation, the luminaire can be conveniently adjusted without voltage using the smart+IP app via NFC. Factory setting is to 3h, maintained power mode, automatic self-test. Configuration app for Android for download free of charge.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colours (X): 2 = white, 4 = aluminium, anodised

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
RECHTECK 250							
651053.00X.1 */**	L 250, B 125, H 140	21	4,5	-	1/3/8	Autotest	23
671053.00X.1.04	L 250, B 125, H 140	21	4,6	-	3	MultiDigit	23
671053.00X.1.07	L 250, B 125, H 140	21	4,6	-	3	DALI-Sibe	23
RECHTECK 360							
651069.00X.1 */**	L 362, B 125, H 192	32	4,6	-	1/3/8	Autotest	23
671069.00X.1.04	L 362, B 125, H 192	32	5,1	-	3	MultiDigit	23
671069.00X.1.07	L 362, B 125, H 192	32	5,1	-	3	DALI-Sibe	23
RECHTECK 485							
651085.00X.1 */**	L 485, B 125, H 250	43	6,8	-	1/3/8	Autotest	23
671085.00X.1.04	L 485, B 125, H 250	43	7,3	-	3	MultiDigit	23
671085.00X.1.07	L 485, B 125, H 250	43	7,3	-	3	DALI-Sibe	23

Luminaires for central battery system

RECHTECK 250							
671211.00X.1	L 250, B 125, H 140	21	3,5	3,5		Power circuit	24
671211.00X.1.89	L 250, B 125, H 140	21	4,5	4,5		AC-Control	24
RECHTECK 360							
672710.00X.1	L 362, B 125, H 192	32	4,2	4,2		Power circuit	24
672710.00X.1.89	L 362, B 125, H 192	32	5,2	5,2		AC-Control	24
RECHTECK 485							
671233.00X.1	L 485, B 125, H 250	43	6,3	6,3		Power circuit	24
671233.00X.1.89	L 485, B 125, H 250	43	7,3	7,3		AC-Control	24

* Specification of luminaire flux and system power emergency refers to 3 h rated operating time. You will find more detailed information on www.rzb-lighting.com.
 ** **smart+IP:** Luminaire with NFC interface.

Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169

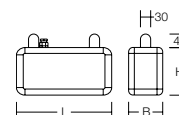


Pendant luminaires | RECHTECK

Type of protection: IP 44
 Protection class: I
 Impact resistance: IK03

Housing: aluminium, with plastic corner connectors. Display panels: plastic, opal, with motifs on both sides. Cable/chain suspension (on site).

Please specify legend number when ordering!



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

smart+IP: NFC interface for quick and easy wireless configuration of operating parameters. Even before installation, the luminaire can be conveniently adjusted without voltage using the smart+IP app via NFC. Factory setting is to 3h, maintained power mode, automatic self-test. Configuration app for Android for download free of charge.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colours (X): 2 = white, 4 = aluminium, anodised

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
RECHTECK 250							
651343.00X.1 */**	L 250, B 125, H 140	21	4,5	-	1/3/8	Autotest	23
671343.00X.1.04	L 250, B 125, H 140	21	4,6	-	3	MultiDigit	23
671343.00X.1.07	L 250, B 125, H 140	21	4,6	-	3	DALI-Sibe	23
RECHTECK 360							
651347.00X.1 */**	L 362, B 125, H 192	32	4,6	-	1/3/8	Autotest	23
671347.00X.1.04	L 362, B 125, H 192	32	5,1	-	3	MultiDigit	23
671347.00X.1.07	L 362, B 125, H 192	32	5,1	-	3	DALI-Sibe	23
RECHTECK 485							
651351.00X.1 */**	L 485, B 125, H 250	43	6,8	-	1/3/8	Autotest	23
671351.00X.1.04	L 485, B 125, H 250	43	7,3	-	3	MultiDigit	23
671351.00X.1.07	L 485, B 125, H 250	43	7,3	-	3	DALI-Sibe	23
Luminaires for central battery system							
RECHTECK 250							
671359.00X.1	L 250, B 125, H 140	21	3,5	3,5		Power circuit	24
671359.00X.1.89	L 250, B 125, H 140	21	4,5	4,5		AC-Control	24
RECHTECK 360							
672712.00X.1	L 362, B 125, H 192	32	4,2	4,2		Power circuit	24
672712.00X.1.89	L 362, B 125, H 192	32	5,2	5,2		AC-Control	24
RECHTECK 485							
671367.00X.1	L 485, B 125, H 250	43	6,3	6,3		Power circuit	24
671367.00X.1.89	L 485, B 125, H 250	43	7,3	7,3		AC-Control	24

* Specification of luminaire flux and system power emergency refers to 3 h rated operating time. You will find more detailed information on www.rzb-lighting.com.
 ** **smart+IP:** Luminaire with NFC interface.

Escape route signs

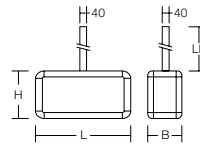
ISO 7010 | DIN 4844



Further symbols can be found on the page 169

Pendant luminaires | RECHTECK

Type of protection: IP 44
 Protection class: I
 Impact resistance: IK03
 Suspension length LP: 500 mm
 Housing: aluminium, with plastic corner connectors. Aluminium pendant suspension.
 Display panels: plastic, opal, with motifs on both sides.



Please specify legend number when ordering!

Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

smart+IP: NFC interface for quick and easy wireless configuration of operating parameters. Even before installation, the luminaire can be conveniently adjusted without voltage using the smart+IP app via NFC. Factory setting is to 3h, maintained power mode, automatic self-test. Configuration app for Android for download free of charge.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colours (X): 2 = white, 4 = aluminium, anodised



RECHTECK 485



Reference number	Dimensions [mm]	[m]	Mains system power [W]	Emergency system power [W]	[h]	Monitoring	Price Category
Self-contained emergency luminaires							
RECHTECK 250							
651057.00X.1 */**	L 250, B 125, H 140	21	4,5	-	1/3/8	Autotest	23
671057.00X.1.04	L 250, B 125, H 140	21	4,6	-	3	MultiDigit	23
671057.00X.1.07	L 250, B 125, H 140	21	4,6	-	3	DALI-Sibe	23
RECHTECK 360							
651073.00X.1 */**	L 362, B 125, H 192	32	4,6	-	1/3/8	Autotest	23
671073.00X.1.04	L 362, B 125, H 192	32	5,1	-	3	MultiDigit	23
671073.00X.1.07	L 362, B 125, H 192	32	5,1	-	3	DALI-Sibe	23
RECHTECK 485							
651089.00X.1 */**	L 485, B 125, H 250	43	6,8	-	1/3/8	Autotest	23
671089.00X.1.04	L 485, B 125, H 250	43	7,3	-	3	MultiDigit	23
671089.00X.1.07	L 485, B 125, H 250	43	7,3	-	3	DALI-Sibe	23

Luminaires for central battery system

RECHTECK 250							
671213.00X.1	L 250, B 125, H 140	21	3,5	3,5		Power circuit	24
671213.00X.1.89	L 250, B 125, H 140	21	4,5	4,5		AC-Control	24
RECHTECK 360							
672711.00X.1	L 362, B 125, H 192	32	4,2	4,2		Power circuit	24
672711.00X.1.89	L 362, B 125, H 192	32	5,2	5,2		AC-Control	24
RECHTECK 485							
671235.00X.1	L 485, B 125, H 250	43	6,3	6,3		Power circuit	24
671235.00X.1.89	L 485, B 125, H 250	43	7,3	7,3		AC-Control	24

* Specification of luminaire flux and system power emergency refers to 3 h rated operating time. You will find more detailed information on www.rzb-lighting.com.
 ** **smart+IP:** Luminaire with NFC interface.

Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169



IP40

SIGNCUBE

Ceiling luminaires

ARCHITECTURE

- **Versatile:** 2 sizes, 2 viewing distances.
- **Clever:** Luminaire sign in cube shape ideal for intersection points.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA), opal.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Ideal:** Several monitoring options possible.
- **Progressive:** Top quality LED technology.
- **Complete:** 4 legends for escape route identification included.

INSTALLATION

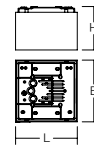
- **Easy installation:** Easy, no-fuss installation.
- **Flexible:** Pendant luminaire also possible with accessories.

Ceiling luminaires | SIGNCUBE mini

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

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal. 4 legends for escape route identification included (motif 3003, 3004, 3005, 3006).

Can be converted into a suspended luminaire, via accessories. Please order mounting elements separately.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	[m]	Mains system power [W]	Emergency system power [W]	[h]	Monitoring	Price Category
Self-contained emergency luminaires							
Price Category 23							
672292.002	L 199, B 199, H 140	19	4	-	3	Autotest	23
672292.002.04	L 199, B 199, H 140	19	4	-	3	MultiDigit	23
672292.002.07	L 199, B 199, H 140	19	4	-	3	DALI-Sibe	23
672293.002	L 199, B 199, H 140	19	4	-	8	Autotest	23
672293.002.04	L 199, B 199, H 140	19	4	-	8	MultiDigit	23
672293.002.07	L 199, B 199, H 140	19	4	-	8	DALI-Sibe	23
Luminaires for central battery system							
Price Category 24							
672291.002	L 199, B 199, H 140	19	4	4		Power circuit	24
672291.002.89	L 199, B 199, H 140	19	5	5		AC-Control	24

Pendant tube set for Self-contained emergency luminaires

982425.002	L 128, B 128, H 25, LP 500	for standard variants	23
982425.002.04	L 128, B 128, H 25, LP 500	for MultiDigit (.04)	23
982425.002.07	L 128, B 128, H 25, LP 500	for DALI (.07)	23



Pendant tube set for Luminaires for central battery system

982423.002	L 128, B 128, H 25, LP 500	for standard variants	24
982424.002	L 128, B 128, H 25, LP 500	for AC-Control (.89)	24



Mounting sets

982274.002	L 110, B 104, H 14	Mounting set for through wiring surface installation	23
982341.002	L 130, B 130, H 18	Mounting kit for chains/cable suspensions	23



Escape route signs

ISO 7010 | DIN 4844



3003



3004



3005

Further symbols can be found on the page 169

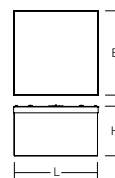


Ceiling luminaires | SIGNCUBE midi

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

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal. 4 legends for escape route identification included (motif 3003, 3004, 3005, 3006).

Can be converted into a suspended luminaire, via accessories. Please order mounting elements separately.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
672300.002.1	L 315, B 315, H 187	30	7,1	-	3	Autotest	23
672300.002.1.04	L 315, B 315, H 187	30	7,1	-	3	MultiDigit	23
672300.002.1.07	L 315, B 315, H 187	30	7,1	-	3	DALI-Sibe	23
Luminaires for central battery system							
672299.002	L 315, B 315, H 187	30	6,3	5,7		Power circuit	24
672299.002.89	L 315, B 315, H 187	30	7,3	6,7		AC-Control	24



Pendant tube set for Self-contained emergency luminaires

982416.002	L 222, B 201, H 533, LP 500	for standard variants	23
982416.002.04	L 222, B 201, H 533, LP 500	for MultiDigit (.04)	23
982416.002.07	L 222, B 201, H 533, LP 500	for DALI (.07)	23



Pendant tube set for Luminaires for central battery system

982414.002	L 222, B 201, H 534, LP 500	for standard variants	24
982415.002	L 222, B 201, H 534, LP 500	for AC-Control (.89)	24



Mounting sets

982413.002	L 210, B 210, H 17	24
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Escape route signs

ISO 7010 | DIN 4844



Further symbols can be found on the page 169





SIGNCUBE IP 54

Ceiling luminaires

ARCHITECTURE

- **Protected:** IP 54 type of protection - dustproof and protected against water spray.
- **Clever:** Luminaire sign in cube shape ideal for intersection points.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA), opal.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Ideal:** Several monitoring options possible.
- **Progressive:** Top quality LED technology.
- **Complete:** 4 legends for escape route identification included.

INSTALLATION

- **Easy installation:** Easy, no-fuss installation.
- **Flexible:** Pendant luminaire also possible with accessories.

Ceiling luminaires | SIGNCUBE IP54

Type of protection: IP 54
 Protection class: I
 Impact resistance: IK04

Base: plastic. Frame profile: aluminium anodised. Display panels: plastic, opal, with motifs on three sides. Light emission: downwards. Easy installation by folding mechanism.

Can be converted into a suspended luminaire, via accessories. Please order mounting elements separately.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

Available colour: 4 = aluminium, anodised

Reference number	Dimensions [mm]	[m]	Mains system power [W]	Emergency system power [W]	[h]	Monitoring	Price Category
Self-contained emergency luminaires							
672338.004	L 351, B 351, H 236	30	10	-	3	Autotest	23
672338.004.04	L 351, B 351, H 236	30	10	-	3	MultiDigit	23
672338.004.07	L 351, B 351, H 236	30	10	-	3	DALI-Sibe	23
Luminaires for central battery system							
672354.004	L 351, B 351, H 236	30	8,8	8,2		Power circuit	24
672354.004.89	L 351, B 351, H 236	30	9,8	9,2		AC-Control	24

Pendant tube set

982560.002	LP 550	Pendant tube set	23
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Mounting sets

982561.000	Mounting kit for chains/cable suspensions	23
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Escape route signs

ISO 7010 | DIN 4844



3003



3004



3005

Further symbols can be found on the page 169

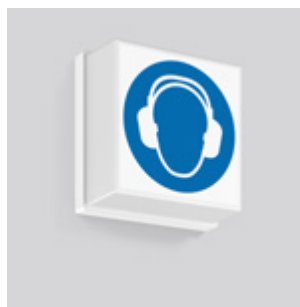
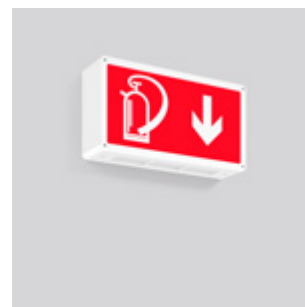
Motif foils

All EXIT luminaires for central battery systems can also be ordered as indicator lights.

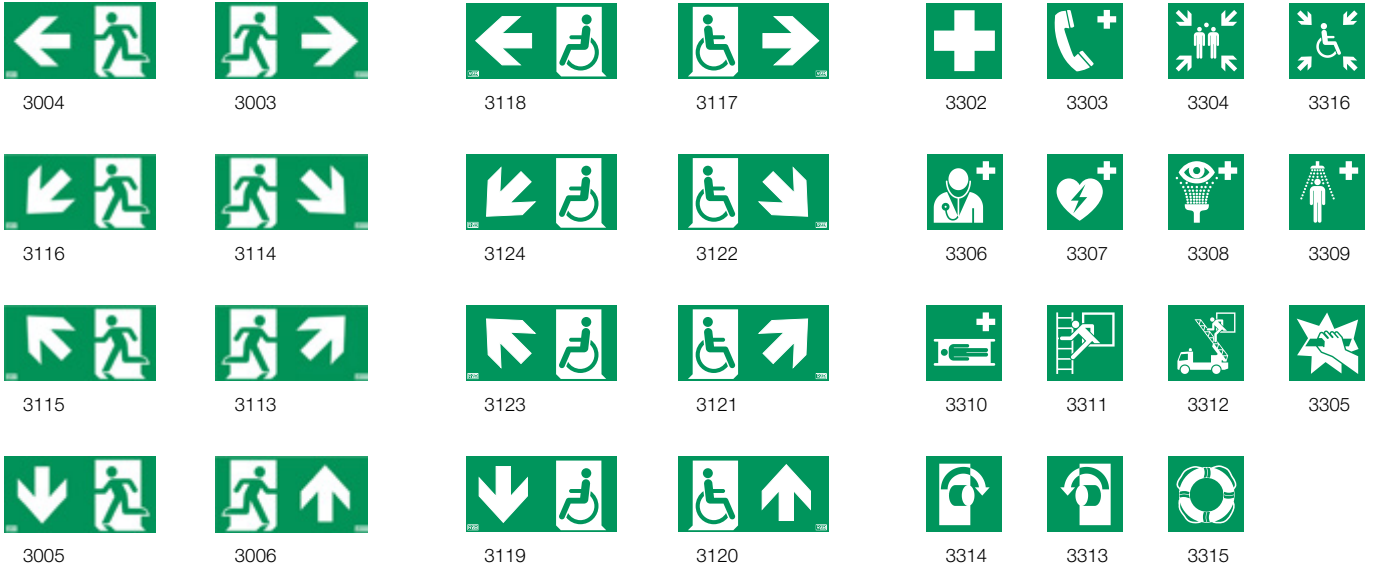
Special colours and special lettering

Multi-coloured motifs and multi-coloured lettering, special motifs and special colours as well as motif-text-number combinations are available at an extra charge.

Please let our sales team know your requirements.



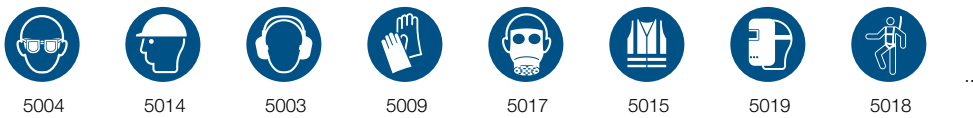
Escape sign



Fire safety signs



Mandatory signs
















Warning signs





CENTRYXX IP 65
DEECOS S

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	VARIOPLAST I 172
	GSUN 5 174
	CENTRYXX IP 65 176
	CENTRYXX IP 40 180
	CENTRYXX W 182
	LUCIO 2 186
	TURIA L 190
	TURIA L track 192
	SOLYXX 2 194
	DEECOS E 196
	EXEO X 198
	Portable Spotlight 200
	POWERBOX FLOOD 202



VARIOPLAST I

Ceiling and wall luminaires

ARCHITECTURE

- **Protected:** Type of protection IP 65, dustproof and jet-proof.
- **Robust:** All-plastic luminaires, shockproof.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Ideal:** Several monitoring options possible.
- **Tested:** 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.
- **Certified:** Qualified for use in the food and drink industry.

INSTALLATION

- **Robust:** Ball impact proof in accordance with DIN 18032-3.
- **Easy installation:** Easy, no-fuss installation.



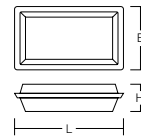
Further luminaires of this series, see:
Escape route identification

Ceiling and wall luminaires | VARIOPLAST I

Type of protection: IP 65
 Protection class: I
 Impact resistance: IK08

Base: plastic (polycarbonate). Diffuser: shockproof plastic (polycarbonate).
 Ball impact proof in accordance with DIN 18032-3.

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.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

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

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Price Category 23									
672181.00X.1	L 320, B 186, H 80	840	870	8,3	360	-	3	Autotest	23
672181.00X.1.04	L 320, B 186, H 80	840	870	8,3	360	-	3	MultiDigit	23
672181.00X.1.07	L 320, B 186, H 80	840	870	8,3	360	-	3	DALI-Sibe	23
672176.00X.1	L 320, B 186, H 80	840	880	7,7	230	-	8	Autotest	23
672176.00X.1.04	L 320, B 186, H 80	840	880	7,7	230	-	8	MultiDigit	23
672176.00X.1.07	L 320, B 186, H 80	840	880	7,7	230	-	8	DALI-Sibe	23

Luminaires for central battery system									
Price Category 24									
672182.00X	L 320, B 186, H 80	840	880	7,7	870	7,5		Power circuit	24
672182.00X.89	L 320, B 186, H 80	840	880	8,7	870	8,5		AC-Control	24

Mounting kit for chains/cable suspensions

982354.002	L 166, B 116, H 19	24
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Display cover

982195.002	L 330, B 169, H 227	Viewing distance 15 m	23
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Weatherproof housing

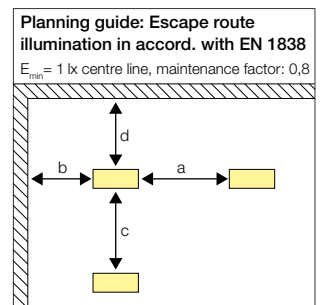
982477.014	L 383, B 220, H 109	silver metallic	24
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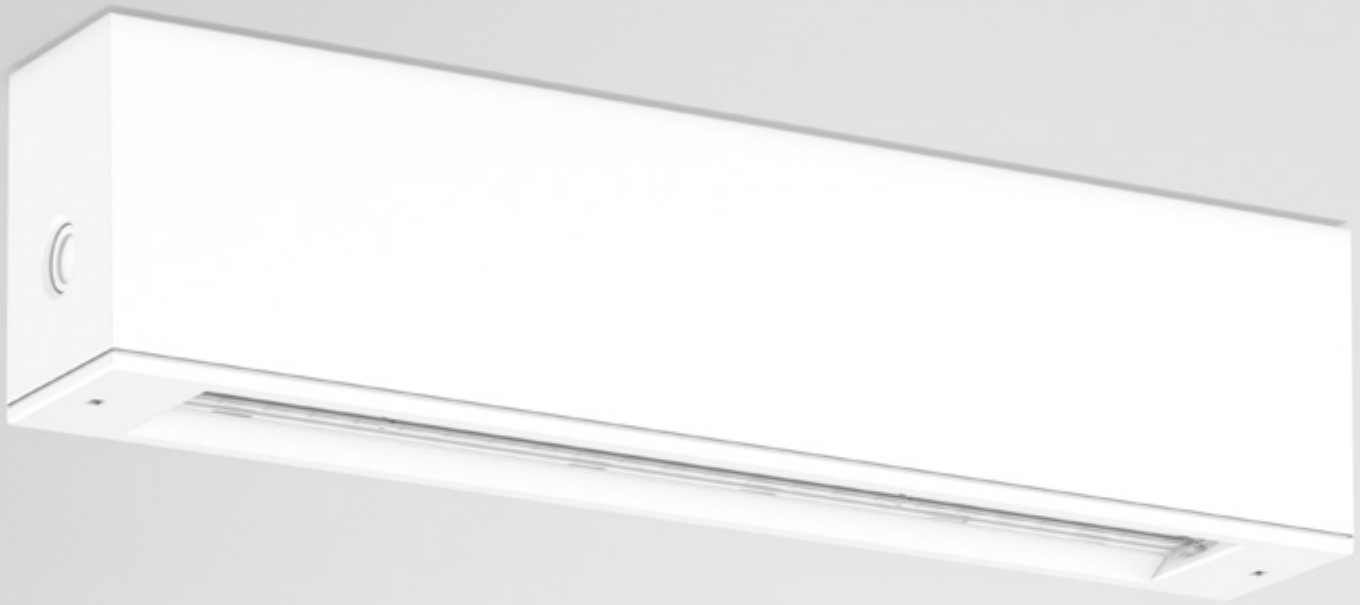


672181.00X.1					
Luminous flux emergency: 360 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,9	3,9	10,5	4,1	
3,0	10,6	4,1	11,2	4,3	
3,5	11,1	4,3	11,7	4,4	
4,0	11,6	4,4	12,1	4,5	

672176.00X.1					
Luminous flux emergency: 230 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,5	3,3	9,1	3,5	
3,0	9,0	3,4	9,5	3,6	
3,5	9,4	3,5	9,8	3,6	
4,0	9,7	3,5	10,1	3,6	

672182.00X					
Luminous flux emergency: 870 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	12,2	5,0	13,2	5,3	
3,0	13,2	5,3	14,2	5,7	
3,5	14,0	5,6	15,1	5,9	
4,0	14,8	5,8	15,8	6,1	





GSUN 5

Ceiling and wall luminaires

ARCHITECTURE

- **Versatile:** Emergency luminaires for escape route illumination and marking.
- **Protected:** IP 54 type of protection - dustproof and protected against water spray.
- **Robust:** Housing made of shockproof plastic (polycarbonate).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **smart+IP:** Quick and easy wireless configuration of operating parameters via NFC using an app.
- **Flexible:** Rated operating time 1/3/8 hrs adjustable for smart+IP versions. Factory setting is to 3h, maintained power mode, automatic self-test.
- **MULTIDIGIT air:** Wireless monitoring system for self-contained emergency luminaires with Bluetooth® control for wireless networking.

INSTALLATION

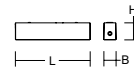
- **Straightforward:** Suitable for through-wiring.
- **Easy installation:** Large cable entry space.
- **Tested:** Luminaires with limited surface temperature in accordance with EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.



Further luminaires of this series, see:
Escape route identification

Ceiling and wall luminaires | GSUN 5

Type of protection: IP 54
 Protection class: II
 Impact resistance: IK06



Housing: shockproof plastic (polycarbonate). Large cable entry space. Suitable for through-wiring.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

smart+IP: NFC interface for quick and easy wireless configuration of operating parameters. Even before installation, the luminaire can be conveniently adjusted without voltage using the smart+IP app via NFC. Factory setting is to 3h, maintained power mode, automatic self-test. Configuration app for Android for download free of charge.

With MULTIDIGIT air Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency system power [h]	Monitoring	Price Category
Self-contained emergency luminaires									
652533.002 */**	L 336, B 56, H 75	840	660	6,8	530	-	1/3/8	Autotest	23
672533.002.F1	L 336, B 56, H 75	840	660	7,3	530	-	3	MultiDigit air	23
672533.002.04	L 336, B 56, H 75	840	660	7,3	530	-	3	MultiDigit	23
672533.002.07	L 336, B 56, H 75	840	660	7,3	530	-	3	DALI-Sibe	23

Luminaires for central battery system

672534.002	L 336, B 56, H 75	840	710	5,7	710	5,7		Power circuit	24
672534.002.89	L 336, B 56, H 75	840	710	6,7	710	6,7		AC-Control	24

* Specification of luminaire flux and system power emergency refers to 3 h rated operating time. You will find more detailed information on www.rzb-lighting.com.
 ** **smart+IP:** Luminaire with NFC interface.

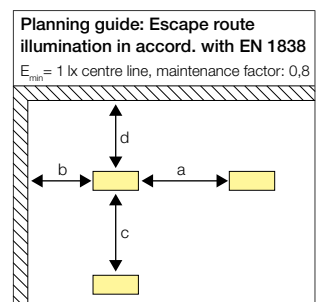
Suspension cable set

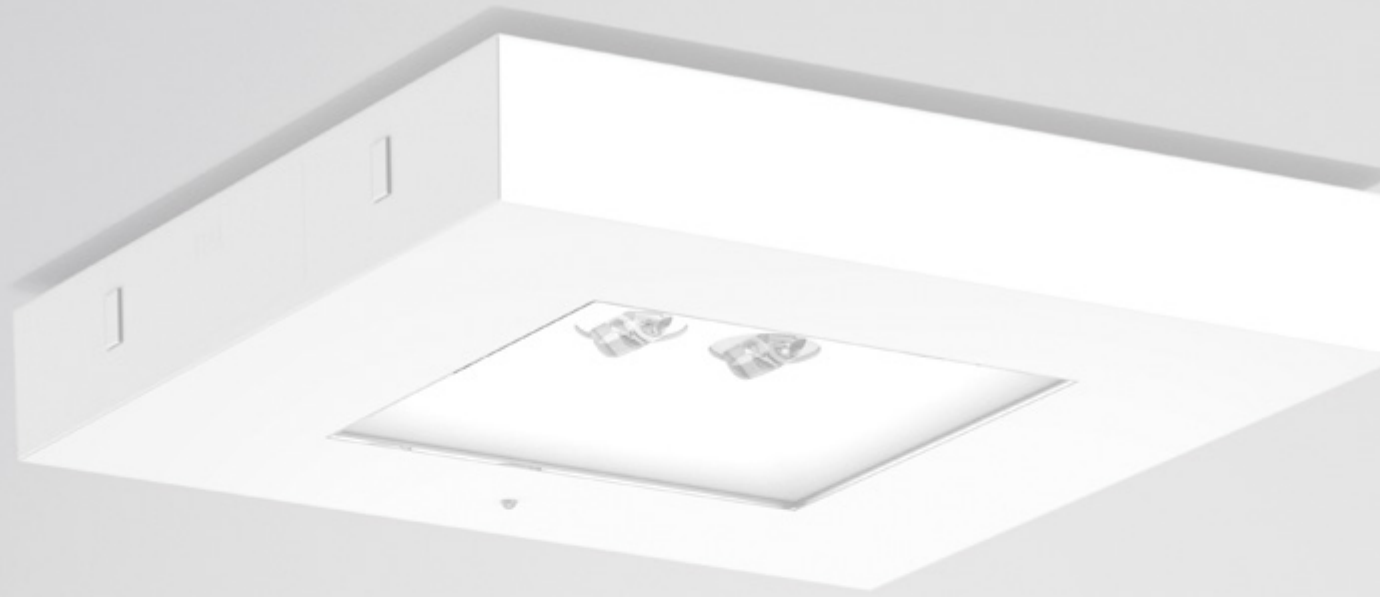
982763.000	LP 3000	Set with 2 steel cables, rapid adjusters and fastening material							23
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652533.002					
Luminous flux emergency: 530 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,8	4,4	12,7	5,4	
3,0	11,6	4,7	14,0	5,9	
3,5	12,4	5,0	15,2	6,4	
4,0	13,1	5,2	16,3	6,8	

672534.002					
Luminous flux emergency: 710 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	11,0	4,5	13,0	5,5	
3,0	11,9	4,8	14,4	6,1	
3,5	12,7	5,1	15,6	6,6	
4,0	13,4	5,3	16,8	7,0	





CENTRYXX IP 65

Ceiling luminaires

ARCHITECTURE

- **Design-oriented:** Exceedingly flat design to match modern architecture.
- **Protected:** IP 65 type of protection - dustproof and protected against water jets from all directions.
- **Long service life:** Best thermal management thanks to die-cast aluminium base.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

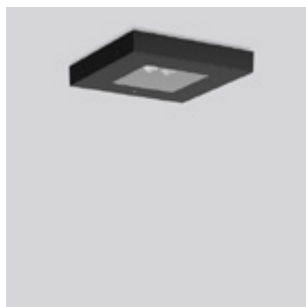
LIGHTING DESIGN

- **Powerful:** Wide luminaire spacing for area and escape route lighting thanks to special lenses.
- **Functional:** Different light distribution options for maximum flexibility in use.
- **Tested:** 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.
- **Robust:** Ball impact proof in accordance with DIN 18032-3.
- **Ideal:** Several monitoring options possible.

INSTALLATION

- **Easy installation:** Easy, no-fuss installation.
- **Straightforward:** Suitable for through-wiring.
- **Versatile:** Wide range of applications thanks to either surface or recessed ceiling installation.
- **Certified:** Qualified for use in the food and drink industry.



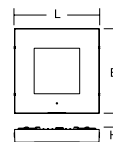


Ceiling luminaires | CENTRYXX IP65

Type of protection: IP 65
 Protection class: I
 Impact resistance: IK08

Base: pressure die-cast aluminium, powder-coated. Cover: polycarbonate. Plastic lenses for optimal escape route and area lighting. Ball impact proof in accordance with DIN 18032-3. Qualified for use in the food and drink industry.

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.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

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

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency system [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Lens for area lighting									
672170.00X.1	L 198, B 198, H 38	765	440	6,5	360	-	3	Autotest	23
672170.00X.1.04	L 198, B 198, H 38	765	440	6,5	360	-	3	MultiDigit	23
672170.00X.1.07	L 198, B 198, H 38	765	440	6,5	360	-	3	DALI-Sibe	23
672282.00X.1	L 198, B 198, H 38	765	460	6,4	130	-	8	Autotest	23
672282.00X.1.04	L 198, B 198, H 38	765	460	6,4	130	-	8	MultiDigit	23
672282.00X.1.07	L 198, B 198, H 38	765	460	6,4	130	-	8	DALI-Sibe	23
Lens for escape route illumination									
672170.00X	L 198, B 198, H 38	765	400	6,5	340	-	3	Autotest	23
672170.00X.04	L 198, B 198, H 38	765	400	6,5	340	-	3	MultiDigit	23
672170.00X.07	L 198, B 198, H 38	765	400	6,5	340	-	3	DALI-Sibe	23
672282.00X	L 198, B 198, H 38	765	420	6,5	120	-	8	Autotest	23
672282.00X.04	L 198, B 198, H 38	765	420	6,5	120	-	8	MultiDigit	23
672282.00X.07	L 198, B 198, H 38	765	420	6,5	120	-	8	DALI-Sibe	23
Lens for illuminating safety equipment									
672170.00X.4	L 198, B 198, H 38	765	450	6,5	380	-	3	Autotest	23
672170.00X.4.04	L 198, B 198, H 38	765	450	6,5	380	-	3	MultiDigit	23
672170.00X.4.07	L 198, B 198, H 38	765	450	6,5	380	-	3	DALI-Sibe	23
Narrow beam lens for area lighting									
672170.00X.2	L 198, B 198, H 38	765	470	6,4	390	-	3	Autotest	23
672170.00X.2.04	L 198, B 198, H 38	765	470	6,4	390	-	3	MultiDigit	23
672170.00X.2.07	L 198, B 198, H 38	765	470	6,4	390	-	3	DALI-Sibe	23
Narrow beam lens for escape route illumination									
672170.00X.3	L 198, B 198, H 38	765	470	6,5	390	-	3	Autotest	23
672170.00X.3.04	L 198, B 198, H 38	765	470	6,5	390	-	3	MultiDigit	23
672170.00X.3.07	L 198, B 198, H 38	765	470	6,5	390	-	3	DALI-Sibe	23

Luminaires for central battery system									
Lens for area lighting									
672294.00X.1	L 198, B 198, H 38	765	240	2,9	250	2,6		Power circuit	24
672294.00X.1.89	L 198, B 198, H 38	765	240	3,9	250	3,6		AC-Control	24
672171.00X.1	L 198, B 198, H 38	765	490	5,9	480	5,6		Power circuit	24
672171.00X.1.89	L 198, B 198, H 38	765	490	6,9	490	6,6		AC-Control	24
Lens for escape route illumination									
672294.00X	L 198, B 198, H 38	765	220	2,9	220	2,6		Power circuit	24
672294.00X.89	L 198, B 198, H 38	765	220	3,9	220	3,6		AC-Control	24
672171.00X	L 198, B 198, H 38	765	450	5,9	440	5,6		Power circuit	24
672171.00X.89	L 198, B 198, H 38	765	450	6,9	440	6,6		AC-Control	24
Lens for illuminating safety equipment									
672171.00X.4	L 198, B 198, H 38	765	490	5,9	490	5,6		Power circuit	24
672171.00X.4.89	L 198, B 198, H 38	765	490	6,9	490	6,6		AC-Control	24
Narrow beam lens for area lighting									
672171.00X.2	L 198, B 198, H 38	765	510	5,9	510	5,6		Power circuit	24
672171.00X.2.89	L 198, B 198, H 38	765	510	6,9	510	6,6		AC-Control	24
Narrow beam lens for escape route illumination									
672171.00X.3	L 198, B 198, H 38	765	510	5,9	510	5,6		Power circuit	24
672171.00X.3.89	L 198, B 198, H 38	765	510	6,9	510	6,6		AC-Control	24

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

Mounting sets

982274.002	L 110, B 104, H 14	Mounting set for through wiring surface installation	23
982341.002	L 130, B 130, H 18	Mounting kit for chains/cable suspensions	23

Pendant tube set for Self-contained emergency luminaires

982425.002	L 128, B 128, H 25, LP 500	for standard variants	23
982425.002.04	L 128, B 128, H 25, LP 500	for MultiDigit (.04)	23
982425.002.07	L 128, B 128, H 25, LP 500	for DALI (.07)	23

Pendant tube set for Luminaires for central battery system

982423.002	L 128, B 128, H 25, LP 500	for standard variants	24
982424.002	L 128, B 128, H 25, LP 500	for AC-Control (.89)	24

Frame attachment for wall installation for luminaires with lenses for area lighting

982257.002	L 201, B 102, H 200		23
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672170.00X.1				
Luminous flux emergency: 360 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	9,7	4,2	9,7	4,2
3,0	10,9	4,5	10,9	4,5
3,5	11,8	4,8	11,8	4,8
4,0	12,6	5,0	12,6	5,0

672282.00X.1				
Luminous flux emergency: 130 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	8,0	3,2	8,0	3,2
3,0	8,7	3,3	8,7	3,3
3,5	9,1	3,3	9,1	3,3
4,0	9,4	3,1	9,4	3,1

672170.00X				
Luminous flux emergency: 340 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	8,0	3,1	18,0	8,1
3,0	8,5	3,2	20,7	9,0
3,5	8,7	3,1	22,9	9,7
4,0	8,9	3,2	24,8	10,2

672282.00X				
Luminous flux emergency: 120 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	5,0	1,7	14,4	6,2
3,0	5,1	1,6	15,8	5,6
3,5	5,0	1,3	16,6	5,1
4,0	4,8	1,0	16,5	3,4

672170.00X.4				
672171.00X.4				
Luminous flux emergency: 380 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	8,3	3,3	8,8	3,2
3,0	8,9	3,6	9,5	3,4
3,5	9,5	3,8	10,1	3,6
4,0	10,0	4,0	10,7	3,7

672170.00X.2				
Luminous flux emergency: 390 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	5,9	2,4	5,9	2,4
3,0	6,4	2,6	6,4	2,6
3,5	6,8	2,8	6,8	2,8
4,0	7,2	3,0	7,2	3,0

672170.00X.3				
Luminous flux emergency: 390 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	7,7	2,7	13,2	5,5
3,0	7,8	2,3	14,8	5,9
3,5	7,6	1,8	15,7	6,3
4,0	6,8	1,7	16,5	6,6

672171.00X.1				
Luminous flux emergency: 480 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	10,5	4,5	10,5	4,5
3,0	11,8	5,0	11,8	5,0
3,5	12,9	5,3	12,9	5,3
4,0	13,8	5,6	13,8	5,6

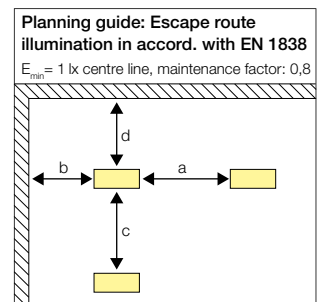
672294.00X.1				
Luminous flux emergency: 250 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	8,9	3,8	9,2	3,8
3,0	10,0	4,1	10,0	4,1
3,5	10,9	4,2	10,8	4,2
4,0	11,4	4,3	11,4	4,3

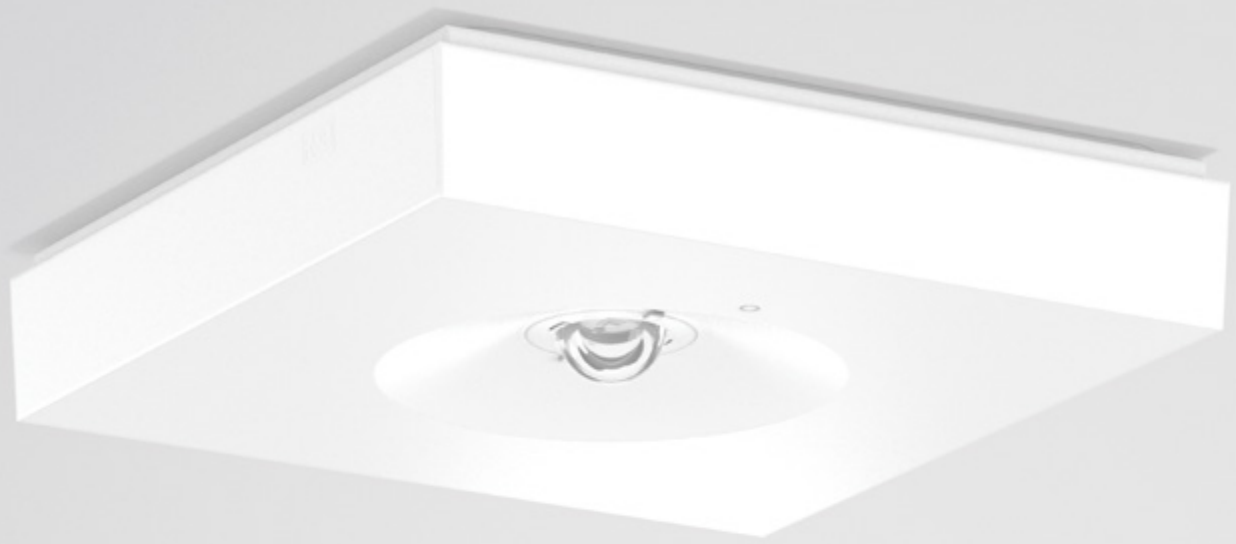
672171.00X				
Luminous flux emergency: 440 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	8,1	3,1	17,8	8,2
3,0	8,5	3,3	20,5	9,2
3,5	9,0	3,3	23,0	10,1
4,0	9,2	3,4	25,2	10,8

672294.00X				
Luminous flux emergency: 220 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	6,5	2,4	15,4	7,1
3,0	6,8	2,4	17,9	8,1
3,5	6,9	2,3	20,1	8,5
4,0	6,9	2,3	21,4	7,8

672171.00X.2				
Luminous flux emergency: 510 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	6,3	2,5	6,3	2,5
3,0	6,8	2,7	6,8	2,7
3,5	7,2	2,9	7,2	2,9
4,0	7,6	3,1	7,6	3,1

672171.00X.3				
Luminous flux emergency: 510 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	8,1	3,0	13,5	5,8
3,0	8,4	2,7	15,3	6,3
3,5	8,4	2,1	16,5	6,6
4,0	7,9	1,9	17,4	6,9





CENTRYXX IP40

Ceiling luminaires

ARCHITECTURE

- **Design-oriented:** Exceedingly flat design to match modern architecture.
- **Robust:** Housing made of shockproof plastic (polycarbonate).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Powerful:** Wide luminaire spacing for area and escape route lighting thanks to special lenses.
- **Versatile:** Plastic lenses for area lighting and escape route illumination included in scope of delivery.
- **Ideal:** Several monitoring options possible.
- **MULTIDIGIT air:** Wireless monitoring system for self-contained emergency luminaires with Bluetooth® control for wireless networking.

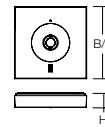
INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Flexible:** Rated operating time 3 h or 8 h adjustable.
- **Straightforward:** Suitable for through-wiring.
- **Clever:** Lenses can be replaced without tools.

Ceiling luminaires | CENTRYXX IP40

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

Housing: plastic (polycarbonate). Cover: polycarbonate. Plastic lenses for area lighting and escape route illumination included in scope of delivery. Lenses can be replaced without tools.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: non-maintained power mode

With MULTIDIGIT air Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: non-maintained power mode

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

Reference number	Dimensions [mm]	Light colour	Emergency luminous flux [lm]	Emergency system power [W]	Ⓛ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
672582.00X	L 150, B 150, H 30	740	240/120	-	3/8	Autotest	23
672582.00X.F1	L 150, B 150, H 30	740	240/120	-	3/8	MultiDigit air	23
672582.00X.04	L 150, B 150, H 30	740	240/120	-	3/8	MultiDigit	23
672582.00X.07	L 150, B 150, H 30	740	240/120	-	3/8	DALI-Sibe	23

Luminaires for central battery system

672583.00X	L 150, B 150, H 30	740	310	4,6		Power circuit	24
672583.00X.89	L 150, B 150, H 30	740	310	5,6		AC-Control	24

Mounting sets

982949.00X	L 90, B 100, H 18	Mounting set for through wiring surface installation	23
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Mounting frame for recessed ceiling mounting

982954.002	L 184, B 184, H 2, HE 45	23
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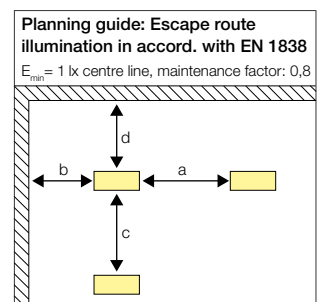
Optic lenses

983086.000	D 16, H 10	Asymmetrical lens for areas to be highlighted	23
983172.000	D 22, H 7	Square area lens for anti-panic lighting	23
982792.002	D 26, H 15	Deep beam lens with white bracket.	23



672582.00X				
Luminous flux emergency: 240 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	9,4	3,9	9,4	3,9
3,0	10,4	4,2	10,4	4,2
3,5	11,1	4,4	11,1	4,4
4,0	11,7	4,5	11,7	4,5

672583.00X				
Luminous flux emergency: 310 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	9,9	4,2	9,9	4,2
3,0	11,0	4,6	11,0	4,6
3,5	11,9	4,8	11,9	4,8
4,0	12,6	5,0	12,6	5,0





CENTRYXX W IP65

Wall luminaires

ARCHITECTURE

- **Protected:** IP 65 type of protection - dustproof and protected against water jets from all directions.
- **Long service life:** Best thermal management thanks to die-cast aluminium base.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Powerful:** Wide luminaire spacing for area and escape route lighting thanks to special lenses.
- **Versatile:** Plastic lenses for area lighting and escape route illumination included in scope of delivery.
- **Tested:** 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.
- **Ideal:** Several monitoring options possible.

INSTALLATION

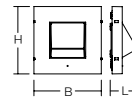
- **Flexible:** LED can be adjusted to illuminate the middle of escape route.
- **Straightforward:** Suitable for through-wiring.
- **Certified:** Qualified for use in the food and drink industry.

Wall luminaires | CENTRYXX W IP65

Type of protection: IP 65
 Protection class: I
 Impact resistance: IK08

Base: pressure die-cast aluminium, powder-coated. Cover: polycarbonate. Plastic lenses for escape route or area lighting. Driver integrated.

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.

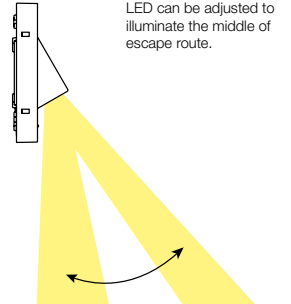

Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Lens for area lighting									
672302.002.1	L 79, B 198, H 198	765	400	6,5	340	-	3	Autotest	23
672302.002.1.04	L 79, B 198, H 198	765	400	6,5	340	-	3	MultiDigit	23
672302.002.1.07	L 79, B 198, H 198	765	400	6,5	340	-	3	DALI-Sibe	23
672303.002.1	L 79, B 198, H 198	765	400	6,5	120	-	8	Autotest	23
672303.002.1.04	L 79, B 198, H 198	765	400	6,5	120	-	8	MultiDigit	23
672303.002.1.07	L 79, B 198, H 198	765	400	6,5	120	-	8	DALI-Sibe	23
Lens for escape route illumination									
672302.002	L 79, B 198, H 198	765	370	6,5	310	-	3	Autotest	23
672302.002.04	L 79, B 198, H 198	765	370	6,5	310	-	3	MultiDigit	23
672302.002.07	L 79, B 198, H 198	765	370	6,5	310	-	3	DALI-Sibe	23
672303.002	L 79, B 198, H 198	765	370	6,5	110	-	8	Autotest	23
672303.002.04	L 79, B 198, H 198	765	370	6,5	110	-	8	MultiDigit	23
672303.002.07	L 79, B 198, H 198	765	370	6,5	110	-	8	DALI-Sibe	23

Luminaires for central battery system

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Lens for area lighting									
672305.002.1	L 79, B 198, H 198	765	230	2,9	230	2,6		Power circuit	24
672305.002.1.89	L 79, B 198, H 198	765	230	3,9	230	3,6		AC-Control	24
672304.002.1	L 79, B 198, H 198	765	470	5,9	470	5,6		Power circuit	24
672304.002.1.89	L 79, B 198, H 198	765	470	6,9	470	6,6		AC-Control	24
Lens for escape route illumination									
672305.002	L 79, B 198, H 198	765	210	2,9	220	2,6		Power circuit	24
672305.002.89	L 79, B 198, H 198	765	210	3,9	220	3,6		AC-Control	24
672304.002	L 79, B 198, H 198	765	430	5,9	440	5,6		Power circuit	24
672304.002.89	L 79, B 198, H 198	765	430	6,9	440	6,6		AC-Control	24

Mounting sets

982274.002	L 110, B 104, H 14	Mounting set for through wiring surface installation							23
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CENTRYXX W IP65PLUS

Wall luminaires

ARCHITECTURE

- **Protected:** IP 65 type of protection - dustproof and protected against water jets from all directions.
- **Long service life:** Best thermal management thanks to die-cast aluminium base.
- **Robust:** Safety glass.
- **Standard:** Integral membrane valve for pressure compensation and avoidance of condensation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Powerful:** Wide luminaire spacing for area and escape route lighting thanks to special lenses.
- **Versatile:** Plastic lenses for area lighting and escape route illumination included in scope of delivery.
- **Ideal:** Several monitoring options possible.

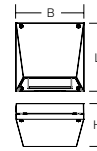
INSTALLATION

- **Advantageous:** Available with battery heater, which extends the temperature range in the luminaire to -20°C .
- **Straightforward:** Suitable for through-wiring.

Wall luminaires | CENTRYXX W IP65plus

Type of protection: IP 65
 Protection class: I
 Impact resistance: IK07

Housing: die-cast aluminium, powder-coated. Safety glass transparent. Lens, plastic, for ideal light distribution on escape route. Standard Gore™ Protective Vents diaphragm valve to avoid condensation.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colours (X): 2 = white, 9 = graphite grey



Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Lens for area lighting									
672546.00X	L 117, B 190, H 190	765	370	6,1	390	-	3	Autotest	23
672546.00X.07	L 117, B 190, H 190	765	430	6,8	360	-	3	DALI-Sibe	23
672546.00X.04	L 117, B 190, H 190	765	440	6,6	370	-	3	MultiDigit	23
Lens for escape route illumination									
672548.00X	L 117, B 190, H 190	765	320	6,2	350	-	3	Autotest	23
672548.00X.07	L 117, B 190, H 190	765	380	6,8	320	-	3	DALI-Sibe	23
672548.00X.04	L 117, B 190, H 190	765	390	6,6	330	-	3	MultiDigit	23

Self-contained emergency luminaires with battery heating

Lens for area lighting									
672139.99X	L 117, B 190, H 190	765	370	6,6	390	-	3	Autotest	23
Lens for escape route illumination									
672141.99X	L 117, B 190, H 190	765	320	6,6	350	-	3	Autotest	23

Luminaires for central battery system

Lens for area lighting									
672547.00X	L 117, B 190, H 190	765	380	4,9	390	4,4		Power circuit	24
672547.00X.89	L 117, B 190, H 190	765	380	5,9	390	5,4		AC-Control	24
Lens for escape route illumination									
672549.00X	L 117, B 190, H 190	765	350	4,9	350	4,3		Power circuit	24
672549.00X.89	L 117, B 190, H 190	765	350	5,9	350	5,3		AC-Control	24



LUCIO 2

Ceiling luminaires, Recessed ceiling luminaires

ARCHITECTURE

- **Extensive:** Recessed and surface-mounted luminaires.
- **Robust:** Housing made of shockproof plastic (polycarbonate).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Powerful:** Wide luminaire spacing for escape routes thanks to special lenses.
- **Versatile:** Plastic lenses for area lighting and escape route illumination included in scope of delivery.
- **Ideal:** Several monitoring options possible.
- **MULTIDIGIT air:** Wireless monitoring system for self-contained emergency luminaires with Bluetooth® control for wireless networking.

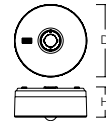
INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Flexible:** Rated operating time 3 h or 8 h adjustable.
- **Straightforward:** Suitable for through-wiring.
- **Clever:** Lenses can be replaced without tools.

Ceiling luminaires | LUCIO 2

Type of protection: IP 20
 Protection class: II
 Impact resistance: IK06

Housing: plastic (polycarbonate). Plastic lenses for area lighting and escape route illumination included in scope of delivery. Lenses can be replaced without tools.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: non-maintained power mode

With MULTIDIGIT air Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: non-maintained power mode

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

Reference number	Dimensions [mm]	Light colour	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
672527.00X	D 110, H 46	740	240/120	-	3/8	Autotest	23
672527.00X.F1	D 110, H 46	740	240/120	-	3/8	MultiDigit air	23
672527.00X.04	D 110, H 46	740	240/120	-	3/8	MultiDigit	23
672527.00X.07	D 110, H 46	740	240/120	-	3/8	DALI-Sibe	23
Luminaires for central battery system							
672529.00X	D 110, H 46	740	310	4,6		Power circuit	24
672529.00X.89	D 110, H 46	740	310	5,6		AC-Control	24

Mounting bracket for through wiring surface installation

982791.00X	L 70, B 90, H 21	23
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Recessed ceiling housing

982790.00X	D 135, H 2	23
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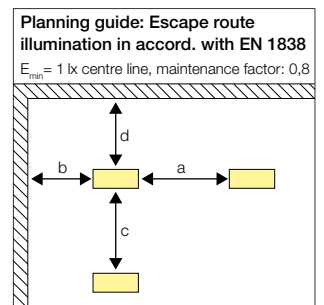
Optic lenses

983086.000	D 16, H 10	Asymmetrical lens for areas to be highlighted	23
983172.000	D 22, H 7	Square area lens for anti-panic lighting	23
982792.002	D 26, H 15	Deep beam lens with white bracket.	23



672527.00X					
Luminous flux emergency: 240 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,6	4,0	9,6	4,0	
3,0	10,6	4,3	10,6	4,3	
3,5	11,4	4,5	11,4	4,5	
4,0	12,0	4,5	12,0	4,5	

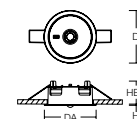
672529.00X					
Luminous flux emergency: 310 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,4	4,5	10,4	4,5	
3,0	11,7	5,0	11,7	5,0	
3,5	12,9	5,3	12,9	5,3	
4,0	13,8	5,5	13,8	5,5	





Recessed ceiling luminaires, Ceiling luminaires | LUCIO 2

Type of protection: IP 20
 Protection class: II
 Ceiling thickness S: 1-40 mm
 Impact resistance: IK06



Housing: plastic (polycarbonate). Plastic lenses for area lighting and escape route illumination included in scope of delivery. Accessories for recessed and surface mounting on the ceiling are included.

Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: non-maintained power mode

With MULTIDIGIT air Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: non-maintained power mode

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



Reference number	Dimensions [mm]	Light colour	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
Ceiling cut out DA 116-120 mm							
672526.00X.Q	D 135, H 2, HEL 60	740	240/120	-	3/8	Autotest	23
672526.00X.F1	D 135, H 2, HEL 60	740	240/120	-	3/8	MultiDigit air	23
672526.00X.04	D 135, H 2, HEL 60	740	240/120	-	3/8	MultiDigit	23
672526.00X.07	D 135, H 2, HEL 60	740	240/120	-	3/8	DALI-Sibe	23

Luminaires for central battery system

Reference number	Dimensions [mm]	Light colour	Emergency luminous flux [lm]	Emergency system power [W]	Monitoring	Price Category
Ceiling cut out DA 116-120 mm						
672528.00X	D 135, H 2, HEL 60	740	310	4,6	Power circuit	24
672528.00X.89	D 135, H 2, HEL 60	740	310	5,6	AC-Control	24

Mounting bracket for through wiring surface installation

982791.00X	L 70, B 90, H 21	23
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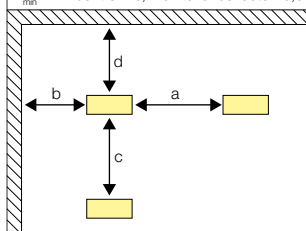
Optic lenses

983086.000	D 16, H 10	Asymmetrical lens for areas to be highlighted	23
983172.000	D 22, H 7	Square area lens for anti-panic lighting	23
982792.002	D 26, H 15	Deep beam lens with white bracket.	23



Planning guide: Escape route illumination in accord. with EN 1838

$E_{min} = 1 \text{ lx}$ centre line, maintenance factor: 0,8



672526.00X					
Luminous flux emergency: 240 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,6	4,0	9,6	4,0	
3,0	10,6	4,3	10,6	4,3	
3,5	11,4	4,5	11,4	4,5	
4,0	12,0	4,5	12,0	4,5	

672528.00X					
Luminous flux emergency: 310 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,4	4,5	10,4	4,5	
3,0	11,7	5,0	11,7	5,0	
3,5	12,9	5,3	12,9	5,3	
4,0	13,8	5,5	13,8	5,5	





TURIA L

Recessed ceiling luminaires

ARCHITECTURE

- **Advantageous:** Extremely compact design.
- **Long service life:** Specially calculated thermal management.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

LIGHTING DESIGN

- **Powerful:** Top quality LED technology.
- **Versatile:** Plastic lenses for area and escape route lighting and for illuminating safety equipment.
- **Ideal:** Several monitoring options possible.

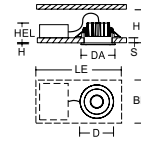
INSTALLATION

- **Easy installation:** Easy, no-fuss installation.
- **Straightforward:** With enclosed separate ceiling mounting ring also suitable for ceiling cut-outs of \varnothing 68 mm.
- **Clever:** The self-contained module and battery can be inserted and removed through the ceiling opening.

Recessed ceiling luminaires | TURIA L

Type of protection: IP 20
 Protection class: II
 Ceiling thickness S: 1-35 mm
 Impact resistance: IK03

Housing: die-cast aluminium. Bezel ring: plastic, white. Emergency kit and battery in separate box with connecting cable. With enclosed separate ceiling mounting ring also suitable for ceiling cut-outs of Ø 68 mm.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.



Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

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

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency [h]	Monitoring	Price Category	
Self-contained emergency luminaires										
Ceiling cut out DA 54 mm, HE 76-162 mm										
Lens for area lighting										
672412.00X	D 62, H 3, HEL 42		765	270	4,3	190	-	3	Autotest	23
672412.00X.04	D 62, H 3, HEL 42		765	270	5,3	190	-	3	MultiDigit	23
672412.00X.07	D 62, H 3, HEL 42		765	270	5,3	190	-	3	DALI-Sibe	23
672413.00X	D 62, H 3, HEL 42		765	270	4,2	130	-	8	Autotest	23
672413.00X.04	D 62, H 3, HEL 42		765	270	5,2	130	-	8	MultiDigit	23
672413.00X.07	D 62, H 3, HEL 42		765	270	5,2	130	-	8	DALI-Sibe	23
Lens for escape route illumination										
672415.00X	D 62, H 3, HEL 42		765	270	4,2	190	-	3	Autotest	23
672415.00X.04	D 62, H 3, HEL 42		765	270	5,2	190	-	3	MultiDigit	23
672415.00X.07	D 62, H 3, HEL 42		765	270	5,2	190	-	3	DALI-Sibe	23
672416.00X	D 62, H 3, HEL 42		765	270	4,2	130	-	8	Autotest	23
672416.00X.04	D 62, H 3, HEL 42		765	270	5,2	130	-	8	MultiDigit	23
672416.00X.07	D 62, H 3, HEL 42		765	270	5,2	130	-	8	DALI-Sibe	23
Lens for illuminating safety equipment										
672561.00X	D 62, H 3, HEL 42		765	270	4,2	190	-	3	Autotest	23
672561.00X.04	D 62, H 3, HEL 42		765	270	5,2	190	-	3	MultiDigit	23
672561.00X.07	D 62, H 3, HEL 42		765	270	5,2	190	-	3	DALI-Sibe	23

with recessed ring

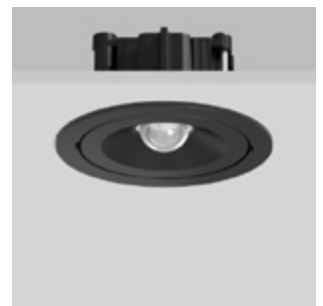


Luminaires for central battery system

Ceiling cut out DA 54 mm, HE 76-162 mm

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency [h]	Monitoring	Price Category
Lens for area lighting									
672411.00X	D 62, H 3, HEL 42		765	250	3,8	250	3,8	Power circuit	24
672411.00X.89	D 62, H 3, HEL 42		765	250	4,8	250	4,8	AC-Control	24
Lens for escape route illumination									
672414.00X	D 62, H 3, HEL 42		765	250	3,8	250	3,8	Power circuit	24
672414.00X.89	D 62, H 3, HEL 42		765	250	4,8	250	4,8	AC-Control	24
Lens for illuminating safety equipment									
672562.00X	D 62, H 3, HEL 42		765	250	3,8	250	3,8	Power circuit	24
672562.00X.89	D 62, H 3, HEL 42		765	250	4,8	250	4,8	AC-Control	24

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



672412.00X					
Luminous flux emergency: 190 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	12,3	5,5	12,3	5,5	
3,0	14,2	5,6	14,2	5,6	
3,5	15,0	5,0	15,0	5,0	
4,0	11,8	0,6	11,8	0,6	

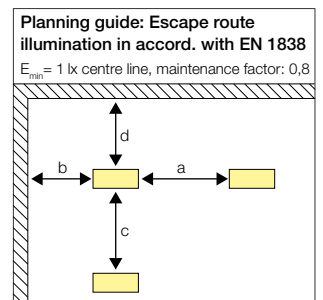
672413.00X					
Luminous flux emergency: 130 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	12,4	5,5	12,4	5,5	
3,0	14,2	5,6	14,2	5,6	
3,5	15,1	2,0	15,1	2,0	
4,0	11,3	0,4	11,3	0,4	

672415.00X					
Luminous flux emergency: 190 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	7,9	2,9	18,1	8,0	
3,0	8,3	3,0	20,6	8,7	
3,5	8,4	3,0	22,7	9,0	
4,0	8,5	2,9	24,2	8,1	

672416.00X					
Luminous flux emergency: 130 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	6,1	2,1	16,3	6,5	
3,0	6,1	2,0	17,7	5,7	
3,5	6,1	1,8	17,9	5,0	
4,0	5,9	1,5	17,0	4,0	

672561.00X					
Luminous flux emergency: 190 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	7,4	2,7	7,0	2,8	
3,0	7,9	2,9	7,6	3,0	
3,5	8,3	3,1	8,0	3,1	
4,0	8,6	3,2	8,4	3,2	

672411.00X					
Luminous flux emergency: 250 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	12,4	5,4	12,4	5,4	
3,0	14,1	5,5	14,1	5,5	
3,5	15,1	4,0	15,1	4,0	
4,0	12,3	0,0	12,3	0,0	





TURIA L TRACK

Surface mounted projectors

ARCHITECTURE

- **Clever:** Emergency luminaire suitable for 3-phase track systems from all well-known manufacturers or for RZB 3-phase DALI track systems.
- **Versatile:** Automatic self-test or suitable for RZB DALI monitoring systems.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Powerful:** Exceptionally large luminaire spacing for escape route and area lighting.
- **Reliable planning:** Lenses for escape route illumination, 90° swivel range.
- **Integrated:** Status LED visible through lens of operation LED.
- **Safe:** 3 hours emergency light in standby mode.

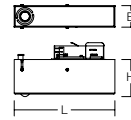
INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Complies with regulations:** Fixing meets standards thanks to mechanical securing of the position and the phase selection switch.
- **Optimum:** Escape route marking with the GSUN-S or GSUN-D ranges of luminaires can also be integrated into the track via an additional adaptor.

Surface mounted projectors | TURIA L track

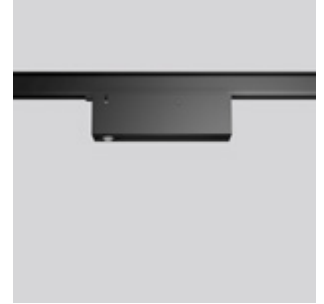
Type of protection: IP 20
 Protection class: I
 Impact resistance: IK03

Housing: sheet steel, powder-coated. High-efficiency LED units with optimum light control thanks to clear plastic (PC) lens optics. With multi-adaptor for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: non-maintained power mode

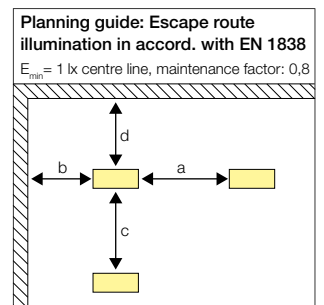
Available colours (X): 2 = white, 3 = black, 4 = silver



Reference number	Dimensions [mm]	Light colour	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
Lens for area lighting							
672513.00X	L 211, B 47, H 63	865	180	-	3	Autotest	23
672513.00X.07	L 211, B 47, H 75	865	180	-	3	DALI-Sibe	23
Lens for escape route illumination							
672515.00X	L 211, B 47, H 63	865	170	-	3	Autotest	23
672515.00X.07	L 211, B 47, H 75	865	170	-	3	DALI-Sibe	23

672513.00X					
Luminous flux emergency: 180 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	11,6	4,4	11,6	4,4	
3,0	11,1	2,1	11,1	2,1	
3,5	9,8	0	9,8	0	
4,0	8,6	0	8,6	0	

672515.00X					
Luminous flux emergency: 170 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	5,9	2,0	17,5	7,1	
3,0	5,9	1,9	19,1	7,2	
3,5	5,7	1,8	20,1	6,1	
4,0	5,6	1,6	19,9	4,9	





SOLYXX 2

Recessed ceiling luminaires

ARCHITECTURE

- **Classical:** Self-contained system with automatic self-test.

LIGHTING DESIGN

- **Versatile:** Plastic lenses for area lighting and escape route illumination included in scope of delivery.
- **Standard:** Self-contained luminaires with 3h rated operating time.

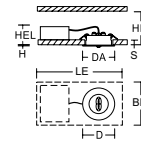
INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Clever:** The self-contained module and battery can be inserted and removed through the ceiling opening.

Recessed ceiling luminaires | SOLYXX 2

Type of protection: IP 20
 Protection class: II
 Ceiling thickness S: 1-25 mm
 Impact resistance: IK03

Housing: plastic. Heat sink die-cast aluminium. Plastic lenses for area lighting and escape route illumination included in scope of delivery. Converter in separate box.



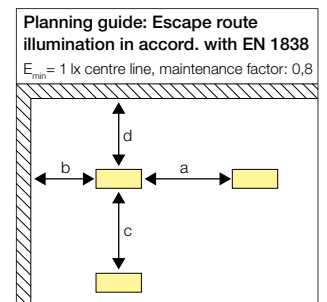
Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: non-maintained power mode

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
Ceiling cut out DA 42 mm							
672572.002	D 50, H 4, HEL 52	864	130	-	3	Autotest	23

672572.002				
Luminous flux emergency: 130 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	7,1	2,5	7,1	2,5
3,0	7,2	2,3	7,2	2,3
3,5	7,1	2,1	7,1	2,1
4,0	6,8	1,7	6,8	1,7





DEECOS E

Ceiling luminaires, Recessed ceiling luminaires

ARCHITECTURE

- **Complies with regulations:** Can be used for emergency lighting in accordance with EN1838.
- **Long service life:** Housing made of top quality die-cast aluminium.

LIGHTING DESIGN

- **Optimum:** For targeted visual highlighting of e.g. fire extinguishers, defibrillators, etc.
- **Perfect:** Fulfils the normative requirement for increased recognisability of auxiliary devices even in case of power failure.

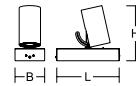
INSTALLATION

- **Easy installation:** Projector can be adjusted flexibly, and setting fixed securely.

Ceiling luminaires | DEECOS E

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

Surface-mounted LED projector for illuminating points to be highlighted. Housing: extruded aluminium profile, powder-coated. Projector has a horizontal rotation range of 340° and a vertical swivel range of 80°. Lockable projector orientation. Optical assembly with lens made of plastic (polycarbonate) for the best homogeneous light distribution - can be changed without tools. Suitable for ceiling and wall mounting. Driver integrated.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency system [h]	Monitoring	Price Category
Self-contained emergency luminaires									
672501.002	L 258, B 121, H 225	930	1100	12	400	-	3	Autotest	23
672501.002.07	L 258, B 121, H 225	930	1100	12	400	-	3	DALI-Sibe	23
672501.002.1	L 258, B 121, H 225	940	1150	12	420	-	3	Autotest	23
672501.002.1.07	L 258, B 121, H 225	940	1150	12	420	-	3	DALI-Sibe	23

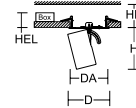
Luminaires for central battery system

672502.002	L 258, B 121, H 225	930	1050	10	1050	10		Power circuit	24
672502.002.89	L 258, B 121, H 225	930	1050	11	1050	11		AC-Control	24
672502.002.1	L 258, B 121, H 225	940	1100	10	1100	10		Power circuit	24
672502.002.1.89	L 258, B 121, H 225	940	1100	11	1100	11		AC-Control	24

Recessed ceiling luminaires | DEECOS E

Type of protection: IP 20
 Protection class: I
 Ceiling thickness S: 1-25 mm
 Impact resistance: IK06

Recessed LED projector for illuminating points to be highlighted. Housing: extruded aluminium profile, powder-coated. Projector has a horizontal rotation range of 340° and a vertical swivel range of 80°. Lockable projector orientation. Optical assembly with lens made of plastic (polycarbonate) for the best homogeneous light distribution - can be changed without tools. Installation without tools thanks to spring fastening system. Including separate LED converter with connecting cable 250 mm.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency system [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Ceiling cut out DA 160 mm, HE 125 mm									
672524.002	D 168, H 177, HEL 51-63	930	1100	12	400	-	3	Autotest	23
672524.002.07	D 168, H 177, HEL 51-63	930	1100	12	400	-	3	DALI-Sibe	23
672524.002.1	D 168, H 177, HEL 51-63	940	1150	12	420	-	3	Autotest	23
672524.002.1.07	D 168, H 177, HEL 51-63	940	1150	12	420	-	3	DALI-Sibe	23

Luminaires for central battery system

Ceiling cut out DA 160 mm, HE 125 mm									
672525.002	D 168, H 177, HEL 51-63	930	1050	10	1050	10		Power circuit	24
672525.002.89	D 168, H 177, HEL 51-63	930	1050	11	1050	11		AC-Control	24
672525.002.1	D 168, H 177, HEL 51-63	940	1100	10	1100	10		Power circuit	24
672525.002.1.89	D 168, H 177, HEL 51-63	940	1100	11	1100	11		AC-Control	24



IP65

EXEO X

For mounting on luminaire

ARCHITECTURE

- **Protected:** IP 65 type of protection - dustproof and protected against water jets from all directions.
- **Robust:** Housing made of shockproof plastic (polycarbonate).

LIGHTING DESIGN

- **Versatile:** Luminaire for area or escape route illumination.
- **Ideal:** Suitable for moisture-proof luminaires, especially for our PLANOX series.

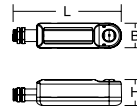
INSTALLATION

- **Advantageous:** Fixed to a metric M20 screw connection.
- **Easy installation:** No additional mounting holes necessary.

For mounting on luminaire | EXEO X

Type of protection: IP 65
 Protection class: II
 Impact resistance: IK04

Housing made of shockproof plastic (polycarbonate). Fixed to a metric M20 screw connection.
 Continuous voltage supply necessary. Plastic lenses for escape route or area lighting. Driver integrated.



Self-contained emergency luminaires

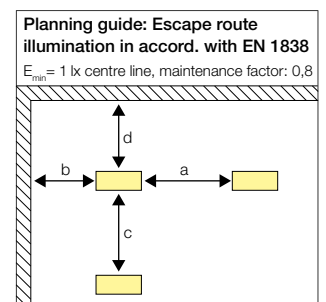
Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: non-maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Lens for area lighting									
672639.002	L 181, B 42, H 45	761	-	2	210	-	3	Autotest	23
Lens for escape route illumination									
672638.002	L 181, B 42, H 45	761	-	2	170	-	3	Autotest	23

672639.002					
Luminous flux emergency: 210 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,9	3,7	9,9	3,7	
3,0	10,2	3,7	10,2	3,7	
3,5	10,4	3,7	10,4	3,7	
4,0	10,5	3,5	10,5	3,5	

672638.002					
Luminous flux emergency: 170 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	16,0	6,4	6,1	2,1	
3,0	17,2	6,7	6,2	2,0	
3,5	18,2	6,7	6,0	1,8	
4,0	18,8	5,6	5,8	1,6	





IP43

PORTABLE SAFETY SPOTLIGHT

Safety spotlights

ARCHITECTURE

- **Robust:** Splash-proof housing, plastic (polycarbonate), shockproof.
- **Functional:** Adjustable luminaire top.
- **Long service life:** Maintenance free OGiV lead-acid battery.

LIGHTING DESIGN

- **Optimum:** Diffused light adapter disc in orange.
- **Progressive:** Top quality LED technology.
- **Individual:** Lighting mode adjustable.

INSTALLATION

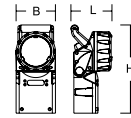
- **Ideal:** LED status display for charging status.
- **Standard:** Includes charging station for standalone or wall mounting.
- **Extensive:** Including 12 volt car charging adapter.

Safety spotlights | Portable safety spotlight

Type of protection: IP 43
 Protection class: II in charging mode, III in battery mode
 Impact resistance: IK03

Lighting mode adjustable, luminosity 30%, 70%, 100%, flashing light. Splash-proof housing, plastic (polycarbonate), shockproof. Adjustable luminaire top. Diffused light adapter disc in orange. Charging station for standalone or wall mounting. Power supply unit and 12 V car adapter included. With charge status indicator.

Available colour: 3 = black



Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency [h]	Monitoring	Price Category
Self-contained emergency luminaires									
672317.003	L 150, B 125, H 290	757	140	2	140	-	3	Autotest	23



PORTABLE SAFETY SPOTLIGHT



IP54

POWERBOX FLOOD

Safety stand spotlight

ARCHITECTURE

- **Protected:** IP 54 type of protection - dustproof and protected against water spray.
- **Long service life:** Robust model.

LIGHTING DESIGN

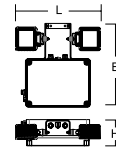
- **Functional:** Luminaire tops can be swivelled in all directions.
- **Perfect:** Suitable for rooms with high ceilings.
- **Ideal:** Free-standing emergency lighting systems.

INSTALLATION

- **Easy installation:** With 2.5 m connection cable including safety plug (Schuko).
- **Standard:** Automatic self-test.
- **Advantageous:** Maintenance-free lead battery.

Safety stand spotlight | POWERBOX FLOOD

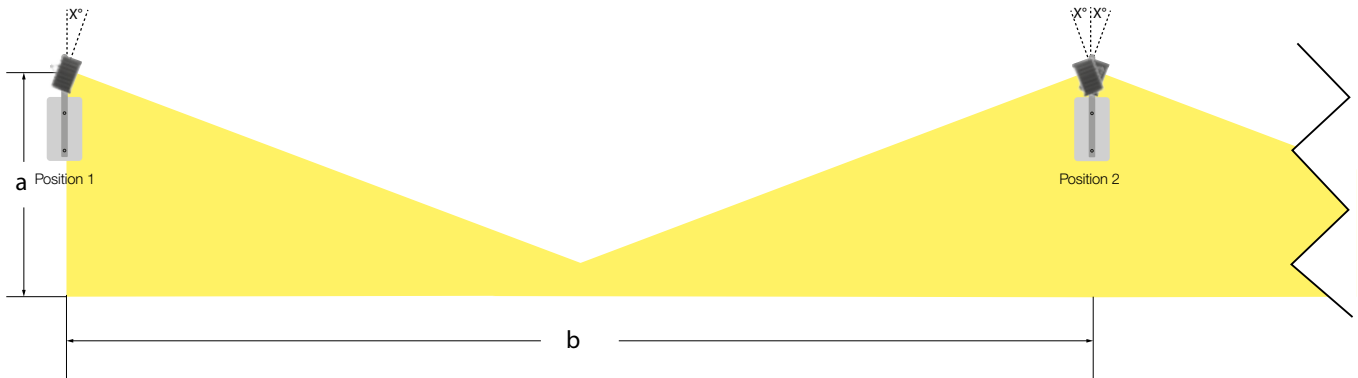
Type of protection: IP 54
 Protection class: I
 Impact resistance: IK03
 Housing: plastic, grey. Luminaire tops can be swivelled in all directions.
 With 2.5 m connection cable including safety plug (Schuko).
 LED and maintenance-free lead battery included in scope of delivery.



Operating mode: non-maintained power mode

Available colour: 9 = grey

Reference number	Dimensions [mm]	Light colour	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires							
672196.009	L 395, B 128, H 470	765	2400	-	1	Autotest	23
672197.009	L 395, B 128, H 470	765	2400	-	3	Autotest	23



To determine the light point intervals, tops projecting the light parallel were arranged as follows:

	Number of projector tops in Position 1	Number of projector tops in Position 2
1	b1 ← [Projector] → b1	
2	[Projector] → b1	b1 ← [Projector] → b2
3	b1 ← [Projector] → b3	[Projector] → b1
4	[Projector] → b4	[Projector] → b1
5	[Projector] → b5	[Projector] → b1

On the basis of this arrangement, the following intervals were calculated for illuminating the escape route with 1 lx

a/m	Layout 1		Layout 2		Layout 3		Layout 4		Layout 5	
	b1/m	X°	b2/m	X°	b3/m	X°	b4/m	X°	b5/m	X°
4,0	18,0	10	22,5	5	49,0	10	54,0	10	66,0	10
5,0	19,5	15	24,5	5	53,0	10	60,0	10	67,0	10
6,0	21,0	15	25,7	10	53,0	10	63,0	10	72,0	10
8,0	22,6	20	30,0	15	58,0	10	64,0	10	75,0	10
10,0	23,0	25	30,5	20	62,0	20	70,0	20	81,0	15
12,0	24,0	30	32,0	25	64,0	25	73,0	20	83,0	20

a = mounting height in m - Position of the projector tops
 b = range at 1 lx (distance from the next projector top in m)
 X° = inclination of the projector tops in the direction of the escape route (floor)
















TOLEDO FLAT
TRIONA ROUND



COMBINED LUMINAIRES FOR ESCAPE ROUTE ILLUMINATION

COMBINED LUMINAIRES FOR ESCAPE ROUTE ILLUMINATION

PARLEDO 208	
SIDELITE ECO 212	
KALEEA 222	
FLAT SLIM 226	
FLAT POLYMERO KREIS 230	
FLAT POLYMERO 236	
PLANADO 244	
TOLEDO FLAT+ 248	
TOLEDO FLAT+ 254	
TOLEDO FLAT 260	
TOLEDO FLAT 268	
TRIXY 274	

		PLANOX PRO 278
		PLANOX ECO 280
		PLANOX 282
		BATTERY PACK 286
		CADERO 288
		ROUNDED 290
		ROUNDED MAXI 294
		MEGA CONE 296
		MEGA TOWER 298
		MEGA TUBE 299
		LIGHTSTREAM 300



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 easy cleaning.
- **Advantageous:** Particularly suitable for use in healthcare and industry.
- **Tested:** 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: perfect for office areas ($UGR \leq 19$) 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. Only for self-contained luminaires.
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).
- **Long service life:** LED rated life 60000 h (L80).
- **Ideal:** Several monitoring options possible.

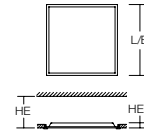
INSTALLATION

- **Protected:** Protection type IP 65 for luminaire and control gear on room and ceiling side.
- **Robust:** Impact resistance IK06 for high impact resistance.
- **Plannable:** Easy to install thanks to extended connection cable (2 m).
- **Integrated:** Suitable for through wiring as standard.

Lay-in luminaires | PARLEDO - Module 600

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

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Diffuser with smooth surface on the room side with either opal plastic (polycarbonate) 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.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Status LED to be installed externally behind the ceiling with a ceiling cutout d 12 mm.
 Distance from Status LED to luminaire 450 mm max. Suitable for ceiling thickness of 2 mm up to 15 mm.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

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

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.
 Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diffuser: plastic (polycarbonate), opal									
672557.002.1	L 595, B 595, HEL 41	840	4550...5600	31...40	400	-	3	Autotest	23
672557.002.1.04	L 595, B 595, HEL 41	840	4550...5600	31...40	400	-	3	MultiDigit	23
672557.002.1.07	L 595, B 595, HEL 41	840	4550...5600	31...40	400	-	3	DALI-Sibe	23
Diffuser: plastic (polycarbonate) microprismatic									
672558.002.1	L 595, B 595, HEL 41	840	4050...5000	31...40	360	-	3	Autotest	23
672558.002.1.04	L 595, B 595, HEL 41	840	4050...5000	31...40	360	-	3	MultiDigit	23
672558.002.1.07	L 595, B 595, HEL 41	840	4050...5000	31...40	360	-	3	DALI-Sibe	23

Luminaires for central battery system

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency [h]	Monitoring	Price Category
Diffuser: plastic (polycarbonate), opal									
672564.002.1	L 595, B 595, HEL 41	840	4550	31	650	6		Power circuit	24
672564.002.1.89	L 595, B 595, HEL 41	840	4550	32	650	7		AC-Control	24
672565.002.1	L 595, B 595, HEL 41	840	5600	40	850	7		Power circuit	24
672565.002.1.89	L 595, B 595, HEL 41	840	5600	41	850	8		AC-Control	24
Diffuser: plastic (polycarbonate) microprismatic									
672566.002.1	L 595, B 595, HEL 41	840	4050	31	580	6		Power circuit	24
672566.002.1.89	L 595, B 595, HEL 41	840	4050	32	580	7		AC-Control	24
672567.002.1	L 595, B 595, HEL 41	840	5000	40	760	7		Power circuit	24
672567.002.1.89	L 595, B 595, HEL 41	840	5000	41	760	8		AC-Control	24

672558.002.1					
Luminous flux emergency: 360 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,8	3,6	8,8	3,6	
3,0	9,6	4,0	9,6	4,0	
3,5	10,3	4,2	10,3	4,2	
4,0	11,0	4,5	11,0	4,5	

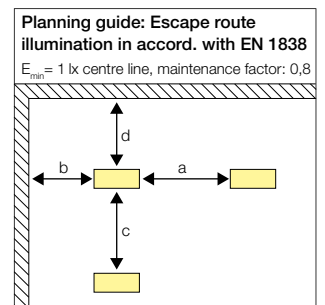
672557.002.1					
Luminous flux emergency: 400 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,6	4,3	10,6	4,3	
3,0	11,5	4,6	11,5	4,6	
3,5	12,2	4,8	12,2	4,8	
4,0	12,8	4,9	12,8	4,9	

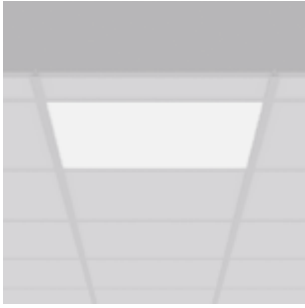
672564.002.1					
Luminous flux emergency: 650 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	12,2	5,0	12,2	5,0	
3,0	13,2	5,4	13,2	5,4	
3,5	14,1	5,7	14,1	5,7	
4,0	14,9	5,9	14,9	5,9	

672565.002.1					
Luminous flux emergency: 850 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	13,1	5,4	13,1	5,4	
3,0	14,2	5,8	14,2	5,8	
3,5	15,2	6,2	15,2	6,2	
4,0	16,1	6,5	16,1	6,5	

672566.002.1					
Luminous flux emergency: 580 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,9	4,1	9,9	4,1	
3,0	10,9	4,5	10,9	4,5	
3,5	11,7	4,8	11,7	4,8	
4,0	12,5	5,1	12,5	5,1	

672567.002.1					
Luminous flux emergency: 760 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,6	4,4	10,6	4,4	
3,0	11,6	4,8	11,6	4,8	
3,5	12,6	5,2	12,6	5,2	
4,0	13,4	5,5	13,4	5,5	

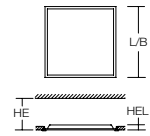




Lay-in luminaires | PARLEDO - Module 625

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

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Diffuser with smooth surface on the room side with either opal plastic (polycarbonate) 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.



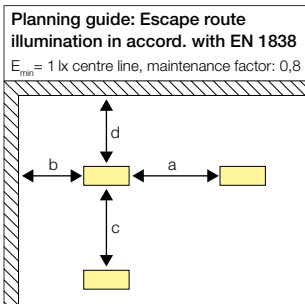
Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Status LED to be installed externally behind the ceiling with a ceiling cutout d 12 mm.
 Distance from Status LED to luminaire 450 mm max. Suitable for ceiling thickness of 2 mm up to 15 mm.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.
 Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diffuser: plastic (polycarbonate), opal									
672559.002.1	L 622, B 622, HEL 41	840	4500...5550	31...40	400	-	3	Autotest	23
672559.002.1.04	L 622, B 622, HEL 41	840	4500...5550	31...40	400	-	3	MultiDigit	23
672559.002.1.07	L 622, B 622, HEL 41	840	4500...5550	31...40	400	-	3	DALI-Sibe	23
Diffuser: plastic (polycarbonate) microprismatic									
672560.002.1	L 622, B 622, HEL 41	840	4100...5100	31...40	360	-	3	Autotest	23
672560.002.1.04	L 622, B 622, HEL 41	840	4100...5100	31...40	360	-	3	MultiDigit	23
672560.002.1.07	L 622, B 622, HEL 41	840	4100...5100	31...40	360	-	3	DALI-Sibe	23
Luminaires for central battery system									
Diffuser: plastic (polycarbonate), opal									
672568.002.1	L 622, B 622, HEL 41	840	4500	31	660	6		Power circuit	24
672568.002.1.89	L 622, B 622, HEL 41	840	4500	32	660	7		AC-Control	24
672569.002.1	L 622, B 622, HEL 41	840	5550	40	880	7		Power circuit	24
672569.002.1.89	L 622, B 622, HEL 41	840	5550	41	880	8		AC-Control	24
Diffuser: plastic (polycarbonate) microprismatic									
672570.002.1	L 622, B 622, HEL 41	840	4100	31	590	6		Power circuit	24
672570.002.1.89	L 622, B 622, HEL 41	840	4100	32	590	7		AC-Control	24
672571.002.1	L 622, B 622, HEL 41	840	5100	40	780	7		Power circuit	24
672571.002.1.89	L 622, B 622, HEL 41	840	5100	41	780	8		AC-Control	24



Planning guide: Escape route illumination in accord. with EN 1838
 $E_{min} = 1 \text{ lx}$ centre line, maintenance factor: 0,8

672560.002.1					
Luminous flux emergency: 260 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,8	3,7	8,8	3,7	
3,0	9,6	4,0	9,6	4,0	
3,5	10,4	4,3	10,4	4,3	
4,0	11,0	4,5	11,0	4,5	

672559.002.1					
Luminous flux emergency: 400 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,3	4,3	10,6	4,3	
3,0	11,5	4,6	11,5	4,6	
3,5	12,2	4,8	12,2	4,8	
4,0	12,8	4,9	12,8	4,9	

672568.002.1					
Luminous flux emergency: 660 lm Following values are indicated in m					
h	a	b	c	d	
2,5	12,2	5,0	12,2	5,0	
3,0	13,3	5,4	13,3	5,4	
3,5	14,2	5,7	14,2	5,7	
4,0	15,0	5,9	15,0	5,9	

672569.002.1					
Luminous flux emergency: 880 lm Following values are indicated in m					
h	a	b	c	d	
2,5	13,2	5,4	13,2	5,4	
3,0	14,4	5,9	14,4	5,9	
3,5	15,4	6,2	15,4	6,2	
4,0	16,3	6,6	16,3	6,6	

672570.002.1					
Luminous flux emergency: 590 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,0	4,2	10,0	4,2	
3,0	11,0	4,6	11,0	4,6	
3,5	11,8	4,9	11,8	4,9	
4,0	12,6	5,2	12,6	5,2	

672571.002.1					
Luminous flux emergency: 780 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,7	4,5	10,7	4,5	
3,0	11,8	4,9	11,8	4,9	
3,5	12,7	5,3	12,7	5,3	
4,0	13,6	5,6	13,6	5,6	



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**PARLEDO
BEAMLINE SLIM**



SIDELITE ECO

Lay-in 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 plastic (PMMA).
- **Tested:** Qualified for use in the food and drink industry.

LIGHTING DESIGN

- **Anti-glare:** Versions 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).
- **Ideal:** Several monitoring options possible.

INSTALLATION

- **Easy installation:** External driver with simple plug-in locking system and extended converter connecting cable to luminaire (1.90 m).
- **Efficient:** Wide luminaire spacing for escape route illumination.
- **Versatile:** Luminaire can be used with accessories (to be ordered separately) for recessed, surface mounting or as pendant luminaire.

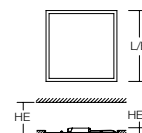




Lay-in luminaires | SIDELITE ECO - Module 600

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

Frame made of aluminium, powder-coated. Diffuser made of non-yellowing plastic, opal or micro-prismatic (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.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Status LED to be installed externally behind the ceiling with a ceiling cutout d 12 mm.
 Distance from Status LED to luminaire 450 mm max. Suitable for ceiling thickness of 2 mm up to 15 mm.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diffuser: plastic (PMMA), opal									
672359.002	L 595, B 595, HEL 40	830	3200	29	390	-	3	Autotest	23
672359.002.04	L 595, B 595, HEL 40	830	3200	29	390	-	3	MultiDigit	23
672359.002.07	L 595, B 595, HEL 40	830	3200	29	390	-	3	DALI-Sibe	23
672360.002	L 595, B 595, HEL 40	830	3200	29	170	-	8	Autotest	23
672360.002.04	L 595, B 595, HEL 40	830	3200	29	170	-	8	MultiDigit	23
672360.002.07	L 595, B 595, HEL 40	830	3200	29	170	-	8	DALI-Sibe	23
672359.002.1	L 595, B 595, HEL 40	840	3700	29	410	-	3	Autotest	23
672359.002.1.04	L 595, B 595, HEL 40	840	3700	29	410	-	3	MultiDigit	23
672359.002.1.07	L 595, B 595, HEL 40	840	3700	29	410	-	3	DALI-Sibe	23
672360.002.1	L 595, B 595, HEL 40	840	3700	29	180	-	8	Autotest	23
672360.002.1.04	L 595, B 595, HEL 40	840	3700	29	180	-	8	MultiDigit	23
672360.002.1.07	L 595, B 595, HEL 40	840	3700	29	180	-	8	DALI-Sibe	23
Diffuser: plastic (PMMA) microprismatic									
672356.002	L 595, B 595, HEL 40	830	3350	29	390	-	3	Autotest	23
672356.002.04	L 595, B 595, HEL 40	830	3350	29	390	-	3	MultiDigit	23
672356.002.07	L 595, B 595, HEL 40	830	3350	29	390	-	3	DALI-Sibe	23
672357.002	L 595, B 595, HEL 40	830	3350	29	170	-	8	Autotest	23
672357.002.04	L 595, B 595, HEL 40	830	3350	29	170	-	8	MultiDigit	23
672357.002.07	L 595, B 595, HEL 40	830	3350	29	170	-	8	DALI-Sibe	23
672356.002.1	L 595, B 595, HEL 40	840	3700	29	410	-	3	Autotest	23
672356.002.1.04	L 595, B 595, HEL 40	840	3700	29	410	-	3	MultiDigit	23
672356.002.1.07	L 595, B 595, HEL 40	840	3700	29	410	-	3	DALI-Sibe	23
672357.002.1	L 595, B 595, HEL 40	840	3700	29	180	-	8	Autotest	23
672357.002.1.04	L 595, B 595, HEL 40	840	3700	29	180	-	8	MultiDigit	23
672357.002.1.07	L 595, B 595, HEL 40	840	3700	29	180	-	8	DALI-Sibe	23
Luminaires for central battery system									
Diffuser: plastic (PMMA), opal									
672358.002	L 595, B 595, HEL 40	830	3200	29	3200	29		Power circuit	24
672358.002.89	L 595, B 595, HEL 40	830	3200	30	3200	30		AC-Control	24
672358.002.1	L 595, B 595, HEL 40	840	3700	29	3700	29		Power circuit	24
672358.002.1.89	L 595, B 595, HEL 40	840	3700	30	3700	30		AC-Control	24
Diffuser: plastic (PMMA) microprismatic									
672355.002	L 595, B 595, HEL 40	830	3350	29	3350	29		Power circuit	24
672355.002.89	L 595, B 595, HEL 40	830	3350	30	3350	30		AC-Control	24
672355.002.1	L 595, B 595, HEL 40	840	3700	29	3700	29		Power circuit	24
672355.002.1.89	L 595, B 595, HEL 40	840	3700	30	3700	30		AC-Control	24

Accessories | Surface mounting frame

Mounting frame: sheet steel, powder-coated, white.

Surface mounting frame

982187.032	L 602, B 602, H 52	Surface-mounted frame for central-battery luminaires	21
982187.042	L 602, B 602, H 52	Surface-mounted frame for self-contained emergency luminaires	21


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

981941.012	L 624, B 624, H 2, HE 94		21
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Accessories | Pendant kit

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

Pendant kit

981978.010	LP 1500		21
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672359.002					
Luminous flux emergency: 390 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,8	4,4	10,2	4,1	
3,0	11,7	4,7	11,0	4,4	
3,5	12,4	4,9	11,7	4,6	
4,0	13,0	5,1	12,3	4,7	

672360.002					
Luminous flux emergency: 170 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,4	3,3	7,9	3,1	
3,0	8,9	3,4	8,4	3,2	
3,5	9,4	3,5	8,8	3,2	
4,0	9,7	3,4	9,0	3,1	

672359.002.1					
Luminous flux emergency: 410 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,4	4,2	11,0	4,4	
3,0	11,2	4,5	11,9	4,7	
3,5	11,9	4,7	12,6	5,0	
4,0	12,5	4,8	13,3	5,2	

672360.002.1					
Luminous flux emergency: 180 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,1	3,1	8,6	3,4	
3,0	8,6	3,3	9,2	3,5	
3,5	9,0	3,3	9,6	3,6	
4,0	9,2	3,3	9,9	3,6	

672356.002					
Luminous flux emergency: 390 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,8	3,6	9,2	3,8	
3,0	9,5	4,0	10,0	4,1	
3,5	10,2	4,3	10,7	4,4	
4,0	10,9	4,5	11,3	4,7	

672357.002					
Luminous flux emergency: 170 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	7,0	2,9	7,3	3,0	
3,0	7,7	3,1	7,9	3,3	
3,5	8,3	3,3	8,6	3,5	
4,0	8,7	3,4	9,1	3,6	

672356.002.1					
Luminous flux emergency: 410 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,2	3,7	9,2	3,7	
3,0	9,9	4,0	9,9	4,0	
3,5	10,5	4,4	10,5	4,4	
4,0	11,2	4,6	11,4	4,8	

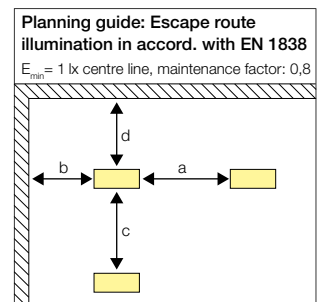
672357.002.1					
Luminous flux emergency: 180 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	7,2	3,0	7,3	3,0	
3,0	7,9	3,2	8,0	3,3	
3,5	8,5	3,4	8,7	3,5	
4,0	9,0	3,5	9,2	3,7	

672358.002					
Luminous flux emergency: 3200 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	18,7	7,9	18,0	7,5	
3,0	20,6	8,6	19,7	8,2	
3,5	22,2	9,2	21,2	8,8	
4,0	23,7	9,8	22,6	9,4	

672358.002.1					
Luminous flux emergency: 3700 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	18,6	7,8	19,4	8,2	
3,0	20,4	8,5	21,3	8,9	
3,5	22,0	9,2	23,1	9,6	
4,0	23,5	9,7	24,6	10,2	

672355.002					
Luminous flux emergency: 3350 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	15,6	6,5	15,5	6,6	
3,0	17,0	7,0	17,2	7,3	
3,5	18,3	7,6	18,7	7,8	
4,0	19,4	8,2	20,1	8,3	

672355.002.1					
Luminous flux emergency: 3700 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	16,0	6,8	16,2	6,7	
3,0	17,7	7,4	17,7	7,3	
3,5	19,2	8,0	19,1	7,9	
4,0	20,5	8,5	20,3	8,5	

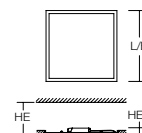




Lay-in luminaires | SIDELITE ECO - Module 625

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

Frame made of aluminium, powder-coated. Diffuser made of non-yellowing plastic, opal or micro-prismatic (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.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Status LED to be installed externally behind the ceiling with a ceiling cutout d 12 mm.
 Distance from Status LED to luminaire 450 mm max. Suitable for ceiling thickness of 2 mm up to 15 mm.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency system power [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diffuser: plastic (PMMA), opal									
672365.002	L 622, B 622, HEL 40	830	3350	29	390	-	3	Autotest	23
672365.002.04	L 622, B 622, HEL 40	830	3350	29	390	-	3	MultiDigit	23
672365.002.07	L 622, B 622, HEL 40	830	3350	29	390	-	3	DALI-Sibe	23
672366.002	L 622, B 622, HEL 40	830	3350	29	170	-	8	Autotest	23
672366.002.04	L 622, B 622, HEL 40	830	3350	29	170	-	8	MultiDigit	23
672366.002.07	L 622, B 622, HEL 40	830	3350	29	170	-	8	DALI-Sibe	23
672365.002.1	L 622, B 622, HEL 40	840	3600	29	410	-	3	Autotest	23
672365.002.1.04	L 622, B 622, HEL 40	840	3600	29	410	-	3	MultiDigit	23
672365.002.1.07	L 622, B 622, HEL 40	840	3600	29	410	-	3	DALI-Sibe	23
672366.002.1	L 622, B 622, HEL 40	840	3600	29	180	-	8	Autotest	23
672366.002.1.04	L 622, B 622, HEL 40	840	3600	29	180	-	8	MultiDigit	23
672366.002.1.07	L 622, B 622, HEL 40	840	3600	29	180	-	8	DALI-Sibe	23
Diffuser: plastic (PMMA) microprismatic									
672362.002	L 622, B 622, HEL 40	830	3400	29	390	-	3	Autotest	23
672362.002.04	L 622, B 622, HEL 40	830	3400	29	390	-	3	MultiDigit	23
672362.002.07	L 622, B 622, HEL 40	830	3400	29	390	-	3	DALI-Sibe	23
672363.002	L 622, B 622, HEL 40	830	3400	29	170	-	8	Autotest	23
672363.002.04	L 622, B 622, HEL 40	830	3400	29	170	-	8	MultiDigit	23
672363.002.07	L 622, B 622, HEL 40	830	3400	29	170	-	8	DALI-Sibe	23
672362.002.1	L 622, B 622, HEL 40	840	3750	29	410	-	3	Autotest	23
672362.002.1.04	L 622, B 622, HEL 40	840	3750	29	410	-	3	MultiDigit	23
672362.002.1.07	L 622, B 622, HEL 40	840	3750	29	410	-	3	DALI-Sibe	23
672363.002.1	L 622, B 622, HEL 40	840	3750	29	180	-	8	Autotest	23
672363.002.1.04	L 622, B 622, HEL 40	840	3750	29	180	-	8	MultiDigit	23
672363.002.1.07	L 622, B 622, HEL 40	840	3750	29	180	-	8	DALI-Sibe	23
Luminaires for central battery system									
Diffuser: plastic (PMMA), opal									
672364.002	L 622, B 622, HEL 40	830	3350	29	3350	29		Power circuit	24
672364.002.89	L 622, B 622, HEL 40	830	3350	30	3350	30		AC-Control	24
672364.002.1	L 622, B 622, HEL 40	840	3600	29	3600	29		Power circuit	24
672364.002.1.89	L 622, B 622, HEL 40	840	3600	30	3600	30		AC-Control	24
Diffuser: plastic (PMMA) microprismatic									
672361.002	L 622, B 622, HEL 40	830	3400	29	3400	29		Power circuit	24
672361.002.89	L 622, B 622, HEL 40	830	3400	30	3400	30		AC-Control	24
672361.002.1	L 622, B 622, HEL 40	840	3750	29	3750	29		Power circuit	24
672361.002.1.89	L 622, B 622, HEL 40	840	3750	30	3750	30		AC-Control	24

Accessories | Surface mounting frame

Mounting frame: sheet steel, powder-coated, white.

Surface mounting frame

982292.022	L 627, B 627, H 47	Surface-mounted frame for central-battery luminaires	21
982292.032	L 627, B 627, H 47	Surface-mounted frame for self-contained emergency luminaires	21


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

981942.012	L 649, B 649, H 2, HE 94		21
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Spring system set, Ceiling thickness: 10-25 mm

981979.020	consisting of 4 installation springs		21
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672365.002					
Luminous flux emergency: 390 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,8	4,4	10,2	4,1	
3,0	11,6	4,7	11,1	4,4	
3,5	12,4	4,9	11,7	4,6	
4,0	13,0	5,1	12,3	4,7	

672366.002					
Luminous flux emergency: 170 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,4	3,3	7,9	3,1	
3,0	8,9	3,4	8,4	3,2	
3,5	9,3	3,5	8,8	3,2	
4,0	9,6	3,4	9,0	3,2	

672365.002.1					
Luminous flux emergency: 410 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,9	4,4	10,4	4,2	
3,0	11,8	4,7	11,2	4,5	
3,5	12,6	5,0	11,9	4,7	
4,0	13,2	5,2	12,5	4,8	

672366.002.1					
Luminous flux emergency: 180 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,5	3,3	8,1	3,1	
3,0	9,1	3,5	8,6	3,3	
3,5	9,5	3,6	9,0	3,3	
4,0	9,9	3,5	9,2	3,3	

672362.002					
Luminous flux emergency: 390 lm Following values are indicated in m					
h	a	b	c	d	
2,5	9,1	3,6	9,1	3,7	
3,0	9,8	4,0	9,7	4,1	
3,5	10,4	4,3	10,5	4,4	
4,0	11,0	4,6	11,3	4,7	

672363.002					
Luminous flux emergency: 170 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,1	2,9	7,2	3,0	
3,0	7,7	3,1	7,9	3,3	
3,5	8,3	3,3	8,6	3,5	
4,0	8,8	3,4	9,1	3,6	

672362.002.1					
Luminous flux emergency: 410 lm Following values are indicated in m					
h	a	b	c	d	
2,5	9,3	3,8	9,2	3,8	
3,0	10,1	4,1	10,1	4,1	
3,5	10,9	4,3	10,8	4,4	
4,0	11,5	4,6	11,3	4,7	

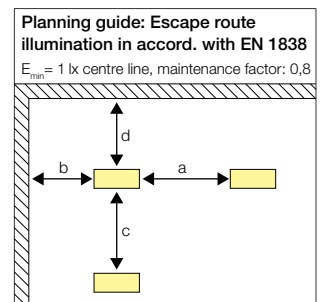
672363.002.1					
Luminous flux emergency: 180 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,4	2,9	7,3	3,0	
3,0	7,9	3,2	7,9	3,3	
3,5	8,4	3,4	8,6	3,5	
4,0	8,9	3,5	9,2	3,7	

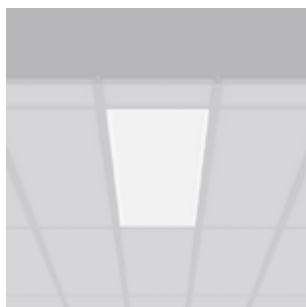
672364.002					
Luminous flux emergency: 3350 lm Following values are indicated in m					
h	a	b	c	d	
2,5	18,9	7,9	18,1	7,6	
3,0	20,7	8,7	19,9	8,3	
3,5	22,4	9,3	21,4	8,9	
4,0	23,9	9,9	22,9	9,5	

672364.002.1					
Luminous flux emergency: 3600 lm Following values are indicated in m					
h	a	b	c	d	
2,5	19,3	8,1	18,5	7,7	
3,0	21,1	8,8	20,2	8,4	
3,5	22,8	9,5	21,8	9,1	
4,0	24,4	10,1	23,3	9,7	

672361.002					
Luminous flux emergency: 3400 lm Following values are indicated in m					
h	a	b	c	d	
2,5	15,7	6,6	15,8	6,6	
3,0	17,3	7,3	17,3	7,2	
3,5	18,8	7,8	18,6	7,8	
4,0	20,1	8,3	19,8	8,3	

672361.002.1					
Luminous flux emergency: 3750 lm Following values are indicated in m					
h	a	b	c	d	
2,5	16,5	6,6	16,7	6,8	
3,0	17,6	7,3	18,1	7,4	
3,5	18,8	7,9	19,3	8,0	
4,0	20,0	8,5	20,5	8,5	

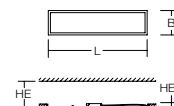




Lay-in luminaires | SIDELITE ECO - Module 1200

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

Frame made of aluminium, powder-coated. Diffuser made of non-yellowing plastic, opal or micro-prismatic (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.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Status LED to be installed externally behind the ceiling with a ceiling cutout d 12 mm.
 Distance from Status LED to luminaire 450 mm max. Suitable for ceiling thickness of 2 mm up to 15 mm.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diffuser: plastic (PMMA), opal									
672371.002	L 1195, B 295, HEL 40	830	3300	29	480	-	3	Autotest	23
672371.002.04	L 1195, B 295, HEL 40	830	3300	29	480	-	3	MultiDigit	23
672371.002.07	L 1195, B 295, HEL 40	830	3300	29	480	-	3	DALI-Sibe	23
672372.002	L 1195, B 295, HEL 40	830	3300	29	220	-	8	Autotest	23
672372.002.04	L 1195, B 295, HEL 40	830	3300	29	220	-	8	MultiDigit	23
672372.002.07	L 1195, B 295, HEL 40	830	3300	29	220	-	8	DALI-Sibe	23
672371.002.1	L 1195, B 295, HEL 40	840	3550	29	520	-	3	Autotest	23
672371.002.1.04	L 1195, B 295, HEL 40	840	3550	29	520	-	3	MultiDigit	23
672371.002.1.07	L 1195, B 295, HEL 40	840	3550	29	520	-	3	DALI-Sibe	23
672372.002.1	L 1195, B 295, HEL 40	840	3550	29	240	-	8	Autotest	23
672372.002.1.04	L 1195, B 295, HEL 40	840	3550	29	240	-	8	MultiDigit	23
672372.002.1.07	L 1195, B 295, HEL 40	840	3550	29	240	-	8	DALI-Sibe	23
Diffuser: plastic (PMMA) microprismatic									
672368.002	L 1195, B 295, HEL 40	830	3200	29	470	-	3	Autotest	23
672368.002.04	L 1195, B 295, HEL 40	830	3200	29	470	-	3	MultiDigit	23
672368.002.07	L 1195, B 295, HEL 40	830	3200	29	470	-	3	DALI-Sibe	23
672369.002	L 1195, B 295, HEL 40	830	3200	29	220	-	8	Autotest	23
672369.002.04	L 1195, B 295, HEL 40	830	3200	29	220	-	8	MultiDigit	23
672369.002.07	L 1195, B 295, HEL 40	830	3200	29	220	-	8	DALI-Sibe	23
672368.002.1	L 1195, B 295, HEL 40	840	3450	29	510	-	3	Autotest	23
672368.002.1.04	L 1195, B 295, HEL 40	840	3450	29	510	-	3	MultiDigit	23
672368.002.1.07	L 1195, B 295, HEL 40	840	3450	29	510	-	3	DALI-Sibe	23
672369.002.1	L 1195, B 295, HEL 40	840	3450	29	240	-	8	Autotest	23
672369.002.1.04	L 1195, B 295, HEL 40	840	3450	29	240	-	8	MultiDigit	23
672369.002.1.07	L 1195, B 295, HEL 40	840	3450	29	240	-	8	DALI-Sibe	23
Luminaires for central battery system									
Diffuser: plastic (PMMA), opal									
672370.002	L 1195, B 295, HEL 40	830	3300	29	3300	29		Power circuit	24
672370.002.89	L 1195, B 295, HEL 40	830	3300	30	3300	30		AC-Control	24
672370.002.1	L 1195, B 295, HEL 40	840	3550	29	3550	29		Power circuit	24
672370.002.1.89	L 1195, B 295, HEL 40	840	3550	30	3550	30		AC-Control	24
Diffuser: plastic (PMMA) microprismatic									
672367.002	L 1195, B 295, HEL 40	830	3200	29	3200	29		Power circuit	24
672367.002.89	L 1195, B 295, HEL 40	830	3200	30	3200	30		AC-Control	24
672367.002.1	L 1195, B 295, HEL 40	840	3450	29	3450	29		Power circuit	24
672367.002.1.89	L 1195, B 295, HEL 40	840	3450	30	3450	30		AC-Control	24

Accessories | Surface mounting frame

Mounting frame: sheet steel, powder-coated, white.

Surface mounting frame

982190.042	L 1202, B 302, H 47	Surface-mounted frame for central-battery luminaires	21
982190.052	L 1202, B 302, H 47	Surface-mounted frame for self-contained emergency luminaires	21


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

982106.012	L 1224, B 324, H 2, HE 94		21
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Pendant kit

982035.022	L 300, B 100, H 50, LP 300-1500	Y-pendant set with canopy	21
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672371.002					
Luminous flux emergency: 480 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,3	4,1	10,8	4,4	
3,0	11,0	4,4	11,7	4,7	
3,5	11,7	4,6	12,4	4,9	
4,0	12,3	4,7	13,0	5,1	

672372.002					
Luminous flux emergency: 220 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,9	3,1	8,4	3,3	
3,0	8,4	3,2	9,0	3,4	
3,5	8,7	3,2	9,4	3,5	
4,0	9,0	3,1	9,7	3,4	

672371.002.1					
Luminous flux emergency: 520 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,4	4,2	11,0	4,4	
3,0	11,2	4,5	11,9	4,7	
3,5	11,9	4,7	12,6	5,0	
4,0	12,5	4,8	13,2	5,2	

672372.002.1					
Luminous flux emergency: 240 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,1	3,1	8,6	3,4	
3,0	8,6	3,2	9,1	3,5	
3,5	8,9	3,3	9,6	3,6	
4,0	9,2	3,3	9,9	3,6	

672368.002					
Luminous flux emergency: 470 lm Following values are indicated in m					
h	a	b	c	d	
2,5	9,1	3,8	9,1	3,8	
3,0	9,9	4,0	10,0	4,1	
3,5	10,7	4,2	10,7	4,4	
4,0	11,3	4,5	11,3	4,7	

672369.002					
Luminous flux emergency: 220 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,3	2,9	7,3	3,0	
3,0	7,7	3,1	7,9	3,3	
3,5	8,2	3,3	8,5	3,5	
4,0	8,7	3,4	9,1	3,6	

672368.002.1					
Luminous flux emergency: 510 lm Following values are indicated in m					
h	a	b	c	d	
2,5	9,2	3,8	9,2	3,8	
3,0	10,0	4,1	10,1	4,1	
3,5	10,8	4,3	10,9	4,4	
4,0	11,4	4,5	11,4	4,8	

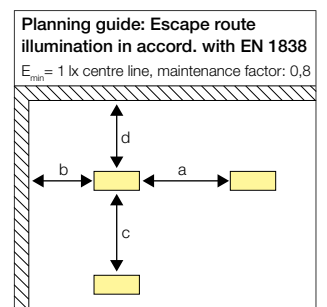
672369.002.1					
Luminous flux emergency: 240 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,4	2,9	7,4	3,0	
3,0	7,9	3,2	8,0	3,3	
3,5	8,3	3,4	8,7	3,6	
4,0	8,8	3,5	9,3	3,7	

672370.002					
Luminous flux emergency: 3300 lm Following values are indicated in m					
h	a	b	c	d	
2,5	18,1	7,6	18,9	7,9	
3,0	19,8	8,3	20,7	8,7	
3,5	21,4	8,9	22,4	9,3	
4,0	22,8	9,4	23,9	9,9	

672370.002.1					
Luminous flux emergency: 3550 lm Following values are indicated in m					
h	a	b	c	d	
2,5	18,4	7,7	19,2	8,1	
3,0	20,2	8,4	21,1	8,8	
3,5	21,8	9,1	22,8	9,5	
4,0	23,3	9,6	24,3	10,1	

672367.002					
Luminous flux emergency: 3200 lm Following values are indicated in m					
h	a	b	c	d	
2,5	15,7	6,3	16,0	6,6	
3,0	16,7	6,9	17,3	7,1	
3,5	17,8	7,5	18,6	7,6	
4,0	19,1	8,2	19,7	8,1	

672367.002.1					
Luminous flux emergency: 3450 lm Following values are indicated in m					
h	a	b	c	d	
2,5	16,1	6,4	16,3	6,7	
3,0	17,2	7,0	17,7	7,3	
3,5	18,2	7,7	19,0	7,8	
4,0	19,4	8,3	20,1	8,3	

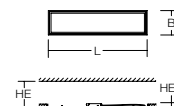




Lay-in luminaires | SIDELITE ECO - Module 1250

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

Frame made of aluminium, powder-coated. Diffuser made of non-yellowing plastic, opal or micro-prismatic (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.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Status LED to be installed externally behind the ceiling with a ceiling cutout d 12 mm.
 Distance from Status LED to luminaire 450 mm max. Suitable for ceiling thickness of 2 mm up to 15 mm.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diffuser: plastic (PMMA), opal									
672377.002	L 1245, B 308, HEL 40	830	3300	29	480	-	3	Autotest	23
672377.002.04	L 1245, B 308, HEL 40	830	3300	29	480	-	3	MultiDigit	23
672377.002.07	L 1245, B 308, HEL 40	830	3300	29	480	-	3	DALI-Sibe	23
672378.002	L 1245, B 308, HEL 40	830	3300	29	220	-	8	Autotest	23
672378.002.04	L 1245, B 308, HEL 40	830	3300	29	220	-	8	MultiDigit	23
672378.002.07	L 1245, B 308, HEL 40	830	3300	29	220	-	8	DALI-Sibe	23
672377.002.1	L 1245, B 308, HEL 40	840	3500	29	520	-	3	Autotest	23
672377.002.1.04	L 1245, B 308, HEL 40	840	3500	29	520	-	3	MultiDigit	23
672377.002.1.07	L 1245, B 308, HEL 40	840	3500	29	520	-	3	DALI-Sibe	23
672378.002.1	L 1245, B 308, HEL 40	840	3500	29	240	-	8	Autotest	23
672378.002.1.04	L 1245, B 308, HEL 40	840	3500	29	240	-	8	MultiDigit	23
672378.002.1.07	L 1245, B 308, HEL 40	840	3500	29	240	-	8	DALI-Sibe	23
Diffuser: plastic (PMMA) microprismatic									
672374.002	L 1245, B 308, HEL 40	830	3150	29	460	-	3	Autotest	23
672374.002.04	L 1245, B 308, HEL 40	830	3150	29	460	-	3	MultiDigit	23
672374.002.07	L 1245, B 308, HEL 40	830	3150	29	460	-	3	DALI-Sibe	23
672375.002	L 1245, B 308, HEL 40	830	3150	29	210	-	8	Autotest	23
672375.002.04	L 1245, B 308, HEL 40	830	3150	29	210	-	8	MultiDigit	23
672375.002.07	L 1245, B 308, HEL 40	830	3150	29	210	-	8	DALI-Sibe	23
672374.002.1	L 1245, B 308, HEL 40	840	3500	29	510	-	3	Autotest	23
672374.002.1.04	L 1245, B 308, HEL 40	840	3500	29	510	-	3	MultiDigit	23
672374.002.1.07	L 1245, B 308, HEL 40	840	3500	29	510	-	3	DALI-Sibe	23
672375.002.1	L 1245, B 308, HEL 40	840	3500	29	240	-	8	Autotest	23
672375.002.1.04	L 1245, B 308, HEL 40	840	3500	29	240	-	8	MultiDigit	23
672375.002.1.07	L 1245, B 308, HEL 40	840	3500	29	240	-	8	DALI-Sibe	23
Luminaires for central battery system									
Diffuser: plastic (PMMA), opal									
672376.002	L 1245, B 308, HEL 40	830	3300	29	3300	29		Power circuit	24
672376.002.89	L 1245, B 308, HEL 40	830	3300	30	3300	30		AC-Control	24
672376.002.1	L 1245, B 308, HEL 40	840	3500	29	3500	29		Power circuit	24
672376.002.1.89	L 1245, B 308, HEL 40	840	3500	30	3500	30		AC-Control	24
Diffuser: plastic (PMMA) microprismatic									
672373.002	L 1245, B 308, HEL 40	830	3150	29	3150	29		Power circuit	24
672373.002.89	L 1245, B 308, HEL 40	830	3150	30	3150	30		AC-Control	24
672373.002.1	L 1245, B 308, HEL 40	840	3500	29	3500	29		Power circuit	24
672373.002.1.89	L 1245, B 308, HEL 40	840	3500	30	3500	30		AC-Control	24

Accessories | Surface mounting frame

Mounting frame: sheet steel, powder-coated, white.

Surface mounting frame

982295.032	L 1252, B 315, H 47	Surface-mounted frame for central-battery luminaires	21
982295.042	L 1252, B 315, H 47	Surface-mounted frame for self-contained emergency luminaires	21


Spring system set, Ceiling thickness: 10-25 mm

981979.030	consisting of 6 installation springs	11
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672377.002				
Luminous flux emergency: 480 lm Following values are indicated in m				
h	a	b	c	d
2,5	10,2	4,1	10,8	4,4
3,0	11,0	4,4	11,6	4,7
3,5	11,7	4,6	12,4	4,9
4,0	12,2	4,7	13,0	5,1

672378.002				
Luminous flux emergency: 220 lm Following values are indicated in m				
h	a	b	c	d
2,5	7,9	3,1	8,4	3,3
3,0	8,4	3,2	8,9	3,4
3,5	8,8	3,2	9,3	3,5
4,0	9,0	3,2	9,6	3,4

672377.002.1				
Luminous flux emergency: 520 lm Following values are indicated in m				
h	a	b	c	d
2,5	10,4	4,2	10,9	4,4
3,0	11,2	4,5	11,8	4,7
3,5	11,9	4,7	12,5	5,0
4,0	12,5	4,8	13,2	5,1

672378.002.1				
Luminous flux emergency: 240 lm Following values are indicated in m				
h	a	b	c	d
2,5	8,1	3,1	8,5	3,3
3,0	8,6	3,3	9,1	3,5
3,5	9,0	3,3	9,5	3,5
4,0	9,2	3,3	9,8	3,5

672374.002				
Luminous flux emergency: 460 lm Following values are indicated in m				
h	a	b	c	d
2,5	9,1	3,6	9,1	3,7
3,0	9,8	4,0	9,8	4,1
3,5	10,4	4,3	10,6	4,4
4,0	11,0	4,6	11,3	4,7

672375.002				
Luminous flux emergency: 210 lm Following values are indicated in m				
h	a	b	c	d
2,5	7,1	2,9	7,2	3,0
3,0	7,7	3,1	7,9	3,3
3,5	8,3	3,3	8,6	3,4
4,0	8,8	3,4	9,1	3,6

672374.002.1				
Luminous flux emergency: 510 lm Following values are indicated in m				
h	a	b	c	d
2,5	9,2	3,7	9,3	3,8
3,0	10,0	4,0	10,0	4,1
3,5	10,6	4,3	10,7	4,5
4,0	11,1	4,6	11,4	4,8

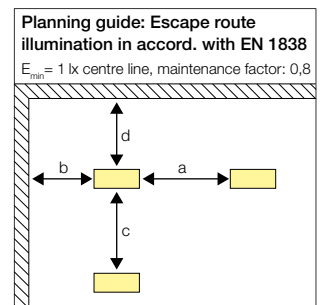
672375.002.1				
Luminous flux emergency: 240 lm Following values are indicated in m				
h	a	b	c	d
2,5	7,2	3,0	7,3	3,1
3,0	7,8	3,2	8,1	3,3
3,5	8,4	3,4	8,7	3,5
4,0	9,0	3,5	9,3	3,7

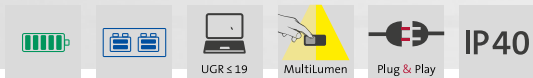
672376.002				
Luminous flux emergency: 3300 lm Following values are indicated in m				
h	a	b	c	d
2,5	18,0	7,5	18,9	7,9
3,0	19,8	8,2	20,7	8,6
3,5	21,3	8,9	22,3	9,3
4,0	22,8	9,4	23,8	9,9

672376.002.1				
Luminous flux emergency: 3500 lm Following values are indicated in m				
h	a	b	c	d
2,5	18,3	7,7	19,1	8,0
3,0	20,1	8,4	20,9	8,8
3,5	21,7	9,0	22,6	9,4
4,0	23,1	9,6	24,2	10,0

672373.002				
Luminous flux emergency: 3150 lm Following values are indicated in m				
h	a	b	c	d
2,5	15,4	6,6	15,7	6,5
3,0	17,0	7,1	17,1	7,1
3,5	18,5	7,7	18,4	7,7
4,0	19,8	8,2	19,6	8,2

672373.002.1				
Luminous flux emergency: 3500 lm Following values are indicated in m				
h	a	b	c	d
2,5	15,7	6,7	16,2	6,7
3,0	17,3	7,4	17,7	7,3
3,5	18,8	7,9	19,0	7,9
4,0	20,3	8,4	20,2	8,4





KALEEA

Lay-in luminaires

ARCHITECTURE

- **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.

LIGHTING DESIGN

- **Anti-glare:** Suitable for office areas and computer workstations.
- **MultiLumen:** Luminous flux variable in 4 steps. Only for self-contained luminaires.
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).
- **Ideal:** Several monitoring options possible.

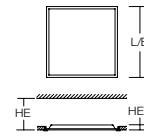
INSTALLATION

- **Advantageous:** Perfect for 1:1 replacement during renovations.
- **Straightforward:** External driver with simple plug-in locking system.
- **Versatile:** Through-wiring or surface-mounted frame optionally available.

Lay-in luminaires | KALEEA - Module 600

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

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. LED back-light 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.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Status LED to be installed externally behind the ceiling with a ceiling cutout d 12 mm.
 Distance from Status LED to luminaire 450 mm max. Suitable for ceiling thickness of 2 mm up to 15 mm.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

MultiLumen: 4 steps adjustable luminous flux. Factory setting is step 2.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
672538.002.1	L 595, B 595, HEL 33	840	3100...4400	26...37	200	-	3	Autotest	23
672538.002.1.04	L 595, B 595, HEL 33	840	3100...4400	27...38	200	-	3	MultiDigit	23
672538.002.1.07	L 595, B 595, HEL 33	840	3100...4400	27...38	200	-	3	DALI-Sibe	23
672539.002.1	L 595, B 595, HEL 33	840	3100...4400	26...37	150	-	8	Autotest	23
672539.002.1.04	L 595, B 595, HEL 33	840	3100...4400	27...38	150	-	8	MultiDigit	23
672539.002.1.07	L 595, B 595, HEL 33	840	3100...4400	27...38	150	-	8	DALI-Sibe	23

Luminaires for central battery system

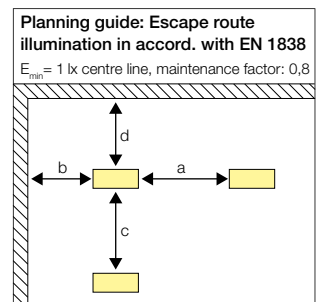
672540.002.1	L 595, B 595, HEL 33	840	3500	28	720	6,1	Power circuit	24
672540.002.1.89	L 595, B 595, HEL 33	840	3500	29	720	7,1	AC-Control	24
672541.002.1	L 595, B 595, HEL 33	840	4400	37	700	6	Power circuit	24
672541.002.1.89	L 595, B 595, HEL 33	840	4400	38	700	7	AC-Control	24

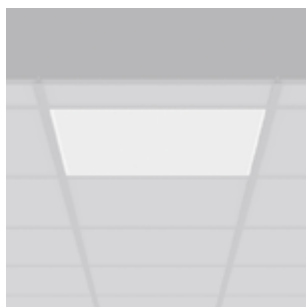
672538.002.1					
Luminous flux emergency: 200 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,2	2,9	7,2	2,9	
3,0	7,8	3,2	7,8	3,2	
3,5	8,3	3,5	8,3	3,5	
4,0	8,9	3,7	8,9	3,7	

672539.002.1					
Luminous flux emergency: 150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	6,6	2,7	6,8	2,8	
3,0	7,2	3,0	7,5	3,1	
3,5	7,7	3,2	8,1	3,3	
4,0	8,3	3,3	8,6	3,4	

672540.002.1					
Luminous flux emergency: 720 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,2	4,2	10,0	4,2	
3,0	11,2	4,6	11,0	4,7	
3,5	12,0	4,9	12,0	5,1	
4,0	12,7	5,2	12,9	5,4	

672541.002.1					
Luminous flux emergency: 700 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,1	4,2	9,9	4,2	
3,0	11,1	4,5	10,9	4,6	
3,5	11,9	4,9	11,9	5,0	
4,0	12,6	5,2	12,8	5,4	

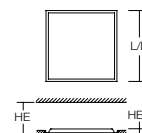




Lay-in luminaires | KALEEA - Module 625

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

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. LED back-light 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.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Status LED to be installed externally behind the ceiling with a ceiling cutout d 12 mm.
 Distance from Status LED to luminaire 450 mm max. Suitable for ceiling thickness of 2 mm up to 15 mm.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.
MultiLumen: 4 steps adjustable luminous flux. Factory setting is step 2.

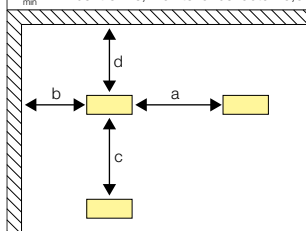
Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
672542.002.1	L 620, B 620, HEL 33	840	3300...4600	26...37	200	-	3	Autotest	23
672542.002.1.04	L 620, B 620, HEL 33	840	3300...4600	27...38	200	-	3	MultiDigit	23
672542.002.1.07	L 620, B 620, HEL 33	840	3300...4600	27...38	200	-	3	DALI-Sibe	23
672543.002.1	L 620, B 620, HEL 33	840	3300...4600	26...37	150	-	8	Autotest	23
672543.002.1.04	L 620, B 620, HEL 33	840	3300...4600	27...38	150	-	8	MultiDigit	23
672543.002.1.07	L 620, B 620, HEL 33	840	3300...4600	27...38	150	-	8	DALI-Sibe	23
Luminaires for central battery system									
672544.002.1	L 620, B 620, HEL 33	840	3700	28	760	6,1		Power circuit	24
672544.002.1.89	L 620, B 620, HEL 33	840	3700	29	760	7,1		AC-Control	24
672545.002.1	L 620, B 620, HEL 33	840	4600	37	730	6		Power circuit	24
672545.002.1.89	L 620, B 620, HEL 33	840	4600	38	730	7		AC-Control	24

Planning guide: Escape route illumination in accord. with EN 1838
 $E_{min} = 1 \text{ lx}$ centre line, maintenance factor: 0,8



672542.002.1					
Luminous flux emergency: 200 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,2	2,9	7,3	3,1	
3,0	7,8	3,2	8,1	3,3	
3,5	8,3	3,5	8,7	3,6	
4,0	8,9	3,7	9,3	3,8	

672543.002.1					
Luminous flux emergency: 150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	6,6	2,7	6,8	2,8	
3,0	7,2	3,0	7,5	3,1	
3,5	7,7	3,2	8,1	3,3	
4,0	8,3	3,3	8,6	3,4	

672544.002.1					
Luminous flux emergency: 760 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,3	4,3	10,1	4,3	
3,0	11,3	4,6	11,1	4,7	
3,5	12,2	5,0	12,1	5,1	
4,0	12,9	5,3	13,0	5,5	

672545.002.1					
Luminous flux emergency: 730 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,2	4,2	10,0	4,2	
3,0	11,2	4,6	11,0	4,7	
3,5	12,0	4,9	12,0	5,1	
4,0	12,8	5,2	12,9	5,5	





FLAT SLIM

Ceiling and wall luminaires

ARCHITECTURE

- **Advantageous:** Design continuity to the general lighting product range.
- **Individual:** Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish.
- **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

- **MultiLumen:** Luminous flux variable in 2 steps. Only for self-contained luminaires.
- **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.
- **Ideal:** Several monitoring options possible.

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.

Ceiling and wall luminaires | FLAT SLIM round - Diffuser: glass

Type of protection: IP 65
 Protection class: I
 Impact resistance: IK03

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.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

Self-contained emergency luminaires

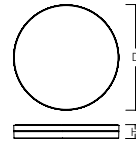
Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

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



Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⏻ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
D 300 mm									
672648.00X	D 300, H 75	830, 840	1250...2500	16...29	300	-	3	Autotest	23
672648.00X.04	D 300, H 75	830, 840	1250...2500	16...29	300	-	3	MultiDigit	23
672648.00X.07	D 300, H 75	830, 840	1250...2500	16...29	300	-	3	DALI-Sibe	23
672649.00X	D 300, H 75	830, 840	1250...2500	16...29	130	-	8	Autotest	23
672649.00X.04	D 300, H 75	830, 840	1250...2500	16...29	130	-	8	MultiDigit	23
672649.00X.07	D 300, H 75	830, 840	1250...2500	16...29	130	-	8	DALI-Sibe	23
D 400 mm									
672657.00X	D 400, H 70	830, 840	2450...4000	28...43	290	-	3	Autotest	23
672657.00X.04	D 400, H 70	830, 840	2450...4000	28...43	290	-	3	MultiDigit	23
672657.00X.07	D 400, H 70	830, 840	2450...4000	28...43	290	-	3	DALI-Sibe	23
672658.00X	D 400, H 70	830, 840	2450...4000	28...43	120	-	8	Autotest	23
672658.00X.04	D 400, H 70	830, 840	2450...4000	28...43	120	-	8	MultiDigit	23
672658.00X.07	D 400, H 70	830, 840	2450...4000	28...43	120	-	8	DALI-Sibe	23

Luminaires for central battery system

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⏻ [h]	Monitoring	Price Category
D 300 mm									
672650.00X	D 300, H 75	830, 840	2500	26	800	8		Power circuit	24
672650.00X.89	D 300, H 75	830, 840	2500	27	800	9		AC-Control	24
D 400 mm									
672659.00X	D 400, H 75	830, 840	4000	41	800	9		Power circuit	24
672659.00X.89	D 400, H 75	830, 840	4000	42	800	10		AC-Control	24

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

672648.00X					
Luminous flux emergency: 300 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,3	3,6	9,3	3,6	
3,0	9,9	3,7	9,9	3,7	
3,5	10,2	3,8	10,2	3,8	
4,0	10,5	3,8	10,5	3,8	

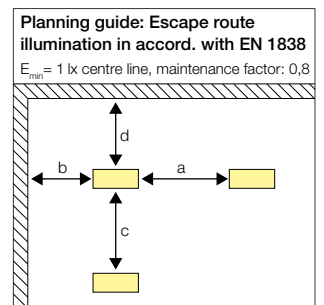
672649.00X					
Luminous flux emergency: 130 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	6,8	2,5	6,8	2,5	
3,0	7,0	2,4	7,0	2,4	
3,5	7,1	2,2	7,1	2,2	
4,0	7,0	1,9	7,0	1,9	

672657.00X					
Luminous flux emergency: 290 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,3	3,6	9,3	3,6	
3,0	9,8	3,7	9,8	3,7	
3,5	10,2	3,8	10,2	3,8	
4,0	10,5	3,7	10,5	3,7	

672658.00X					
Luminous flux emergency: 120 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	6,7	2,4	6,7	2,4	
3,0	6,8	2,3	6,8	2,3	
3,5	6,9	2,1	6,9	2,1	
4,0	6,7	1,7	6,7	1,7	

672650.00X					
Luminous flux emergency: 800 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	12,9	5,1	12,9	5,1	
3,0	13,8	5,4	13,8	5,4	
3,5	14,5	5,7	14,5	5,7	
4,0	15,2	5,9	15,2	5,9	

672659.00X					
Luminous flux emergency: 800 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	12,9	5,1	12,9	5,1	
3,0	13,8	5,5	13,8	5,5	
3,5	14,6	5,7	14,6	5,7	
4,0	15,2	5,9	15,2	5,9	



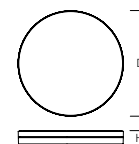


Ceiling and wall luminaires | FLAT SLIM round - Diffuser: plastic

Type of protection: IP 65
 Protection class: I
 Impact resistance: IK08

Base: pressure die-cast aluminium, powder-coated. Diffuser: plastic (polycarbonate), 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.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element.
 Factory setting is 3000 K.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

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



Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
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Self-contained emergency luminaires

D 300 mm									
672653.00X.1	D 300, H 70	830, 840	1450...2450	14...20	420	-	3	Autotest	23
672653.00X.1.04	D 300, H 70	830, 840	1450...2450	14...20	420	-	3	MultiDigit	23
672653.00X.1.07	D 300, H 70	830, 840	1450...2450	14...20	420	-	3	DALI-Sibe	23
672654.00X.1	D 300, H 70	830, 840	1450...2450	14...20	190	-	8	Autotest	23
672654.00X.1.04	D 300, H 70	830, 840	1450...2450	14...20	190	-	8	MultiDigit	23
672654.00X.1.07	D 300, H 70	830, 840	1450...2450	14...20	190	-	8	DALI-Sibe	23
D 400 mm									
672657.00X.1	D 400, H 70	830, 840	2450...4100	20...31	400	-	3	Autotest	23
672657.00X.1.04	D 400, H 70	830, 840	2450...4100	20...31	400	-	3	MultiDigit	23
672657.00X.1.07	D 400, H 70	830, 840	2450...4100	20...31	400	-	3	DALI-Sibe	23
672658.00X.1	D 400, H 70	830, 840	2450...4100	20...31	180	-	8	Autotest	23
672658.00X.1.04	D 400, H 70	830, 840	2450...4100	20...31	180	-	8	MultiDigit	23
672658.00X.1.07	D 400, H 70	830, 840	2450...4100	20...31	180	-	8	DALI-Sibe	23
D 480 mm									
672662.00X.1	D 480, H 70	830, 840	3500...5150	27...39	400	-	3	Autotest	23
672662.00X.1.04	D 480, H 70	830, 840	3500...5150	27...39	400	-	3	MultiDigit	23
672662.00X.1.07	D 480, H 70	830, 840	3500...5150	27...39	400	-	3	DALI-Sibe	23
672663.00X.1	D 480, H 70	830, 840	3500...5150	27...39	170	-	8	Autotest	23
672663.00X.1.04	D 480, H 70	830, 840	3500...5150	27...39	170	-	8	MultiDigit	23
672663.00X.1.07	D 480, H 70	830, 840	3500...5150	27...39	170	-	8	DALI-Sibe	23

Luminaires for central battery system

D 300 mm									
672655.00X.1	D 300, H 70	830, 840	2450	17	800	5,5		Power circuit	24
672655.00X.1.89	D 300, H 70	830, 840	2450	18	800	6,5		AC-Control	24
D 400 mm									
672659.00X.1	D 400, H 70	830, 840	4100	29	800	7		Power circuit	24
672659.00X.1.89	D 400, H 70	830, 840	4100	30	800	8		AC-Control	24
D 480 mm									
672664.00X.1	D 480, H 70	830, 840	5150	35	800	6,5		Power circuit	24
672664.00X.1.89	D 480, H 70	830, 840	5150	36	800	7,5		AC-Control	24

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

672653.00X.1					
Luminous flux emergency: 420 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,6	4,1	10,6	4,1	
3,0	11,3	4,3	11,3	4,6	
3,5	11,8	4,4	11,8	4,4	
4,0	12,2	4,5	12,2	4,5	

672654.00X.1					
Luminous flux emergency: 190 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,0	3,0	8,0	3,0	
3,0	8,3	3,0	8,3	3,0	
3,5	8,5	2,9	8,5	2,9	
4,0	8,6	2,7	8,6	2,7	

672662.00X.1					
Luminous flux emergency: 400 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,5	4,1	10,5	4,1	
3,0	11,1	4,3	11,1	4,6	
3,5	11,7	4,4	11,7	4,4	
4,0	12,1	4,5	12,1	4,5	

672663.00X.1					
Luminous flux emergency: 170 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,8	2,9	7,8	2,9	
3,0	8,1	2,9	8,1	2,9	
3,5	8,2	2,8	8,2	2,8	
4,0	8,2	2,6	8,2	2,6	

672655.00X.1					
Luminous flux emergency: 800 lm Following values are indicated in m					
h	a	b	c	d	
2,5	13,1	5,2	13,1	5,5	
3,0	14,0	5,5	14,0	5,5	
3,5	14,8	5,8	14,8	5,8	
4,0	15,4	5,9	15,4	5,9	

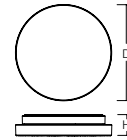
672664.00X.1					
Luminous flux emergency: 800 lm Following values are indicated in m					
h	a	b	c	d	
2,5	13,1	5,2	13,1	5,2	
3,0	14,0	5,5	14,0	5,5	
3,5	14,8	5,8	14,8	5,8	
4,0	15,5	6,0	15,5	6,0	

Ceiling and wall luminaires | FLAT SLIM step

Type of protection: IP 65
 Protection class: I
 Impact resistance: IK03

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

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

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

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⏻ [h]	Monitoring	Price Category
Ceiling and wall luminaires									
D 350 mm									
672669.00X	D 350, H 75	830, 840	1200...2500	14...26	350	-	3	Autotest	23
672669.00X.04	D 350, H 75	830, 840	1200...2500	14...26	350	-	3	MultiDigit	23
672669.00X.07	D 350, H 75	830, 840	1200...2500	14...26	350	-	3	DALI-Sibe	23
672670.00X	D 350, H 75	830, 840	1200...2500	14...26	150	-	8	Autotest	23
672670.00X.04	D 350, H 75	830, 840	1200...2500	14...26	150	-	8	MultiDigit	23
672670.00X.07	D 350, H 75	830, 840	1200...2500	14...26	150	-	8	DALI-Sibe	23
D 450 mm									
672673.00X	D 450, H 70	830, 840	2450...4150	26...41	350	-	3	Autotest	23
672673.00X.04	D 450, H 70	830, 840	2450...4150	26...41	350	-	3	MultiDigit	23
672673.00X.07	D 450, H 70	830, 840	2450...4150	26...41	350	-	3	DALI-Sibe	23
672674.00X	D 450, H 70	830, 840	2450...4150	26...41	150	-	8	Autotest	23
672674.00X.04	D 450, H 70	830, 840	2450...4150	26...41	150	-	8	MultiDigit	23
672674.00X.07	D 450, H 70	830, 840	2450...4150	26...41	150	-	8	DALI-Sibe	23

Luminaires for central battery system

D 350 mm									
672671.00X	D 350, H 75	830, 840	2500	22	800	7		Power circuit	24
672671.00X.89	D 350, H 75	830, 840	2500	23	800	8		AC-Control	24
D 450 mm									
672675.00X	D 450, H 75	830, 840	4150	38	800	8,5		Power circuit	24
672675.00X.89	D 450, H 75	830, 840	4150	40	800	9,5		AC-Control	24

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

672669.00X					
Luminous flux emergency: 350 lm Following values are indicated in m					
h	a	b	c	d	
2,5	9,6	3,7	9,6	3,7	
3,0	10,2	3,9	10,2	3,9	
3,5	10,6	3,9	10,6	3,9	
4,0	10,9	4,0	10,9	4,0	

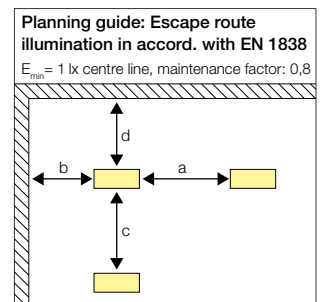
672670.00X					
Luminous flux emergency: 150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,1	2,6	7,1	2,6	
3,0	7,3	2,5	7,3	2,5	
3,5	7,4	2,4	7,4	2,4	
4,0	7,3	2,1	7,3	2,1	

672673.00X					
Luminous flux emergency: 350 lm Following values are indicated in m					
h	a	b	c	d	
2,5	9,6	3,8	9,6	3,8	
3,0	10,2	3,9	10,2	3,9	
3,5	10,7	4,0	10,7	4,0	
4,0	11,0	4,0	11,0	4,0	

672674.00X					
Luminous flux emergency: 150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,1	2,6	7,1	2,6	
3,0	7,4	2,6	7,4	2,6	
3,5	7,5	2,5	7,5	2,5	
4,0	7,5	2,2	7,5	2,2	

672671.00X					
Luminous flux emergency: 800 lm Following values are indicated in m					
h	a	b	c	d	
2,5	12,5	5,0	12,5	5,0	
3,0	13,4	5,3	13,4	5,3	
3,5	14,2	5,5	14,2	5,5	
4,0	14,8	5,7	14,8	5,7	

672675.00X					
Luminous flux emergency: 800 lm Following values are indicated in m					
h	a	b	c	d	
2,5	12,5	5,0	12,5	5,0	
3,0	13,4	5,3	13,4	5,3	
3,5	14,2	5,6	14,2	5,6	
4,0	14,9	5,8	14,9	5,8	





FLAT POLYMERO KREIS

Ceiling and wall luminaires

ARCHITECTURE

- **Versatile:** 4 sizes, 2 types of installation, 2 diffusers.
- **Long service life:** Diffuser made of non-yellowing PMMA or impact resistant PC.
- **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:** Environmentally friendly and resource-saving due to replaceable components.
- **Ideal:** Several monitoring options possible.

INSTALLATION

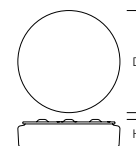
- **Easy installation:** Quick and easy to install.
- **Straightforward:** Patented fastening system for opening the luminaire(s) without tools.
- **Standard:** Suitable for through-wiring.





Ceiling and wall luminaires | FLAT POLYMERO KREIS - Plastic (PMMA)

Type of protection: IP 40
 Protection class: I
 Impact resistance: IK03
 Base: metal, powder-coated. Diffuser: plastic (PMMA), opal.
 Diffuser fastening: patented push system.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Ⓟ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diameter D 360 mm									
672478.002	D 360, H 87	830	1150	12	170	-	3	Autotest	23
672478.002.04	D 360, H 87	830	1150	12	170	-	3	MultiDigit	23
672478.002.07	D 360, H 87	830	1150	12	170	-	3	DALI-Sibe	23
672478.002.1	D 360, H 87	840	1200	13	170	-	3	Autotest	23
672478.002.1.04	D 360, H 87	840	1200	13	170	-	3	MultiDigit	23
672478.002.1.07	D 360, H 87	840	1200	13	170	-	3	DALI-Sibe	23
672092.002.7.1	D 360, H 109	830	1700	15	190	-	3	Autotest	23
672092.002.7.1.04	D 360, H 109	830	1700	15	190	-	3	MultiDigit	23
672092.002.7.1.07	D 360, H 109	830	1700	15	190	-	3	DALI-Sibe	23
672092.002.5.1	D 360, H 109	840	1750	15	200	-	3	Autotest	23
672092.002.5.1.04	D 360, H 109	840	1750	15	200	-	3	MultiDigit	23
672092.002.5.1.07	D 360, H 109	840	1750	15	200	-	3	DALI-Sibe	23
Diameter D 460 mm									
672402.002	D 460, H 93	830	1750	21	150	-	3	Autotest	23
672402.002.04	D 460, H 93	830	1750	21	150	-	3	MultiDigit	23
672402.002.07	D 460, H 93	830	1750	21	150	-	3	DALI-Sibe	23
672402.002.1	D 460, H 93	840	1800	21	150	-	3	Autotest	23
672402.002.1.04	D 460, H 93	840	1800	21	150	-	3	MultiDigit	23
672402.002.1.07	D 460, H 93	840	1800	21	150	-	3	DALI-Sibe	23
672093.002.7	D 460, H 95	830	1900	20	170	-	3	Autotest	23
672093.002.7.04	D 460, H 95	830	1900	20	170	-	3	MultiDigit	23
672093.002.7.07	D 460, H 95	830	1900	20	170	-	3	DALI-Sibe	23
672093.002.5	D 460, H 95	840	2050	20	190	-	3	Autotest	23
672093.002.5.04	D 460, H 95	840	2050	20	190	-	3	MultiDigit	23
672093.002.5.07	D 460, H 95	840	2050	20	190	-	3	DALI-Sibe	23
672435.002.7	D 460, H 93	830	1900	20	120	-	8	Autotest	23
672435.002.7.04	D 460, H 93	830	1900	20	120	-	8	MultiDigit	23
672435.002.7.07	D 460, H 93	830	1900	20	120	-	8	DALI-Sibe	23
672435.002.5	D 460, H 93	840	2000	20	120	-	8	Autotest	23
672435.002.5.04	D 460, H 93	840	2000	20	120	-	8	MultiDigit	23
672435.002.5.07	D 460, H 93	840	2000	20	120	-	8	DALI-Sibe	23
Diameter D 515 mm									
672387.002	D 515, H 98	830	2500	24	190	-	3	Autotest	23
672387.002.04	D 515, H 98	830	2500	24	190	-	3	MultiDigit	23
672387.002.07	D 515, H 98	830	2500	24	190	-	3	DALI-Sibe	23
672387.002.1	D 515, H 98	840	2600	24	200	-	3	Autotest	23
672387.002.1.04	D 515, H 98	840	2600	24	200	-	3	MultiDigit	23
672387.002.1.07	D 515, H 98	840	2600	24	200	-	3	DALI-Sibe	23

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								
Diameter D 300 mm								
672399.002.7	D 300, H 80	830	1550	14	1550	14	Power circuit	24
672399.002.7.89	D 300, H 80	830	1550	15	1550	15	AC-Control	24
672399.002.5	D 300, H 80	840	1600	14	1600	14	Power circuit	24
672399.002.5.89	D 300, H 80	840	1600	15	1600	15	AC-Control	24
Diameter D 360 mm								
672344.002.7	D 360, H 87	830	1600	14	1600	14	Power circuit	24
672344.002.7.89	D 360, H 87	830	1600	15	1600	15	AC-Control	24
672344.002.5	D 360, H 87	840	1600	14	1600	14	Power circuit	24
672344.002.5.89	D 360, H 87	840	1600	15	1600	15	AC-Control	24
Diameter D 460 mm								
672396.002	D 460, H 93	830	1850	19	460	5,5	Power circuit	24
672396.002.89	D 460, H 93	830	1850	20	460	6,5	AC-Control	24
672396.002.1	D 460, H 93	840	2100	19	490	5,5	Power circuit	24
672396.002.1.89	D 460, H 93	840	2100	20	490	6,5	AC-Control	24
672343.002.7	D 460, H 93	830	2100	19	2100	19	Power circuit	24
672343.002.7.89	D 460, H 93	830	2100	20	2100	20	AC-Control	24
672343.002.5	D 460, H 93	840	2100	19	2100	19	Power circuit	24
672343.002.5.89	D 460, H 93	840	2100	20	2100	20	AC-Control	24
672397.002	D 460, H 93	830	2700	29	720	12	Power circuit	24
672397.002.89	D 460, H 93	830	2700	30	720	13	AC-Control	24
672397.002.1	D 460, H 93	840	2800	29	750	12	Power circuit	24
672397.002.1.89	D 460, H 93	840	2800	30	750	13	AC-Control	24
Diameter D 515 mm								
672392.002	D 515, H 98	830	2500	23	520	5,9	Power circuit	24
672392.002.89	D 515, H 98	830	2500	24	520	6,9	AC-Control	24
672392.002.1	D 515, H 98	840	2600	23	550	5,9	Power circuit	24
672392.002.1.89	D 515, H 98	840	2600	24	550	6,9	AC-Control	24

672478.002					
Luminous flux emergency: 170 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,7	2,9	7,7	2,9	
3,0	8,1	3,0	8,1	3,0	
3,5	8,3	2,9	8,3	2,9	
4,0	8,4	2,8	8,4	2,8	

672402.002					
Luminous flux emergency: 150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,3	2,7	7,3	2,7	
3,0	7,6	2,7	7,6	2,7	
3,5	7,8	2,6	7,8	2,6	
4,0	7,8	2,4	7,8	2,4	

672387.002					
Luminous flux emergency: 190 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,8	3,4	8,8	3,4	
3,0	9,3	3,5	9,3	3,5	
3,5	9,7	3,5	9,7	3,5	
4,0	9,9	3,5	9,9	3,5	

672399.002.7					
Luminous flux emergency: 1550 lm Following values are indicated in m					
h	a	b	c	d	
2,5	15,1	6,1	15,1	6,1	
3,0	16,3	6,5	16,3	6,5	
3,5	17,3	6,9	17,3	6,9	
4,0	18,2	7,2	18,2	7,2	

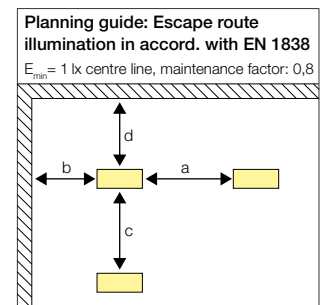
672344.002.7					
Luminous flux emergency: 1600 lm Following values are indicated in m					
h	a	b	c	d	
2,5	15,5	6,3	15,5	6,3	
3,0	16,8	6,8	16,8	6,8	
3,5	17,9	7,2	17,9	7,2	
4,0	18,8	7,5	18,8	7,5	

672396.002					
Luminous flux emergency: 460 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,7	4,2	10,7	4,2	
3,0	11,4	4,4	11,4	4,4	
3,5	11,9	4,6	11,9	4,6	
4,0	12,4	4,7	12,4	4,7	

672343.002.7					
Luminous flux emergency: 2100 lm Following values are indicated in m					
h	a	b	c	d	
2,5	16,8	6,8	16,8	6,8	
3,0	18,1	7,4	18,1	7,4	
3,5	19,4	7,9	19,4	7,9	
4,0	20,5	8,3	20,5	8,3	

672397.002					
Luminous flux emergency: 720 lm Following values are indicated in m					
h	a	b	c	d	
2,5	12,3	4,9	12,3	4,9	
3,0	13,2	5,2	13,2	5,2	
3,5	13,9	5,5	13,9	5,5	
4,0	14,6	5,7	14,6	5,7	

672392.002					
Luminous flux emergency: 520 lm Following values are indicated in m					
h	a	b	c	d	
2,5	11,3	4,5	10,8	4,3	
3,0	12,1	4,7	11,5	4,5	
3,5	12,7	4,9	12,2	4,7	
4,0	13,2	5,0	12,7	4,9	

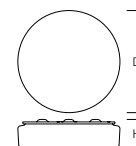




Ceiling and wall luminaires | FLAT POLYMERO KREIS - Plastic (polycarbonate)

Type of protection: IP 40
 Protection class: I
 Impact resistance: IK10

Base: metal, powder-coated. Diffuser made of plastic (polycarbonate), opal, shockproof.
 Diffuser fastening: patented push system.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Ⓢ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diameter D 360 mm									
672092.002.8.1	D 360, H 109	830	1750	15	200	-	3	Autotest	23
672092.002.8.1.04	D 360, H 109	830	1750	15	200	-	3	MultiDigit	23
672092.002.8.1.07	D 360, H 109	830	1750	15	200	-	3	DALI-Sibe	23
672092.002.6.1	D 360, H 109	840	1800	15	210	-	3	Autotest	23
672092.002.6.1.04	D 360, H 109	840	1800	15	210	-	3	MultiDigit	23
672092.002.6.1.07	D 360, H 109	840	1800	15	210	-	3	DALI-Sibe	23
Diameter D 460 mm									
672402.002.2	D 460, H 93	830	1900	21	160	-	3	Autotest	23
672402.002.4	D 460, H 93	840	1900	21	160	-	3	Autotest	23
672093.002.8	D 460, H 95	830	2050	20	190	-	3	Autotest	23
672093.002.8.04	D 460, H 95	830	2050	20	190	-	3	MultiDigit	23
672093.002.8.07	D 460, H 95	830	2050	20	190	-	3	DALI-Sibe	23
672093.002.6	D 460, H 95	840	2200	20	200	-	3	Autotest	23
672093.002.6.04	D 460, H 95	840	2200	20	200	-	3	MultiDigit	23
672093.002.6.07	D 460, H 95	840	2200	20	200	-	3	DALI-Sibe	23
672435.002.8	D 460, H 93	830	2050	20	120	-	8	Autotest	23
672435.002.8.04	D 460, H 93	830	2050	20	120	-	8	MultiDigit	23
672435.002.8.07	D 460, H 93	830	2050	20	120	-	8	DALI-Sibe	23
672435.002.6	D 460, H 93	840	2150	20	130	-	8	Autotest	23
672435.002.6.04	D 460, H 93	840	2150	20	130	-	8	MultiDigit	23
672435.002.6.07	D 460, H 93	840	2150	20	130	-	8	DALI-Sibe	23
Diameter D 515 mm									
672387.002.8	D 515, H 98	830	2650	24	200	-	3	Autotest	23
672387.002.8.04	D 515, H 98	830	2650	24	200	-	3	MultiDigit	23
672387.002.8.07	D 515, H 98	830	2650	24	200	-	3	DALI-Sibe	23
672387.002.6	D 515, H 98	840	2800	24	210	-	3	Autotest	23
672387.002.6.04	D 515, H 98	840	2800	24	210	-	3	MultiDigit	23
672387.002.6.07	D 515, H 98	840	2800	24	210	-	3	DALI-Sibe	23
Luminaires for central battery system									
Diameter D 300 mm									
672399.002.8	D 300, H 80	830	1550	14	1550	14		Power circuit	24
672399.002.8.89	D 300, H 80	830	1650	15	1650	15		AC-Control	24
672399.002.6	D 300, H 80	840	1550	14	1550	14		Power circuit	24
672399.002.6.89	D 300, H 80	840	1750	15	1750	15		AC-Control	24
Diameter D 360 mm									
672344.002.8	D 360, H 87	830	1650	14	1650	14		Power circuit	24
672344.002.8.89	D 360, H 87	830	1650	15	1650	15		AC-Control	24
672344.002.6	D 360, H 87	840	1750	14	1750	14		Power circuit	24
672344.002.6.89	D 360, H 87	840	1750	15	1750	15		AC-Control	24
Diameter D 460 mm									
672343.002.8	D 460, H 93	830	1550	12	1550	12		Power circuit	24
672343.002.8.89	D 460, H 93	830	1550	13	1550	13		AC-Control	24
672343.002.6	D 460, H 93	840	1650	12	1650	12		Power circuit	24
672343.002.6.89	D 460, H 93	840	1650	13	1650	13		AC-Control	24
Diameter D 515 mm									
672392.002.8	D 515, H 98	830	2550	23	540	5,8		Power circuit	24
672392.002.8.89	D 515, H 98	830	2550	24	560	6,8		AC-Control	24
672392.002.6	D 515, H 98	840	2700	23	570	5,8		Power circuit	24
672392.002.6.89	D 515, H 98	840	2700	24	590	6,8		AC-Control	24

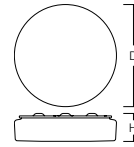
Ceiling and wall luminaires | FLAT POLYMERO KREIS - Movement sensor

Type of protection: IP 40

Protection class: I

Impact resistance: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shock-proof. Diffuser fastening: patented push system.


Self-contained emergency luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Functional parameters of the motion detector (ceiling mounting up to 4.0 m or wall mounting up to 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.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diffuser: plastic (PMMA)									
Diameter D 360 mm									
672092.002.7.1.19	D 360, H 109	830	1700	15	190	-	3	Autotest	23
672092.002.5.1.19	D 360, H 109	840	1750	15	200	-	3	Autotest	23
Diameter D 460 mm									
672093.002.7.19	D 460, H 93	830	1900	21	170	-	3	Autotest	23
672093.002.5.19	D 460, H 93	840	2050	21	190	-	3	Autotest	23
672435.002.7.19	D 460, H 93	830	2050	20	80	-	8	Autotest	23
672435.002.5.19	D 460, H 93	840	2050	20	80	-	8	Autotest	23
Diffuser: plastic (polycarbonate)									
Diameter D 360 mm									
672092.002.8.1.19	D 360, H 109	830	1750	15	200	-	3	Autotest	23
672092.002.6.1.19	D 360, H 109	840	1800	15	210	-	3	Autotest	23
Diameter D 460 mm									
672093.002.8.19	D 460, H 93	830	2050	21	190	-	3	Autotest	23
672093.002.6.19	D 460, H 93	840	2150	21	200	-	3	Autotest	23
672435.002.8.19	D 460, H 93	830	2050	21	120	-	8	Autotest	23
672435.002.6.19	D 460, H 93	840	2150	21	130	-	8	Autotest	23

672092.002.8.1					
Luminous flux emergency: 200 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,2	3,2	8,2	3,2	
3,0	8,7	3,3	8,7	3,3	
3,5	9,1	3,3	9,1	3,3	
4,0	9,3	3,3	9,3	3,3	

672093.002.8					
Luminous flux emergency: 190 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,0	3,0	8,0	3,0	
3,0	8,4	3,1	8,4	3,1	
3,5	8,7	3,1	8,7	3,1	
4,0	8,8	3,0	8,8	3,0	

672387.002.8					
Luminous flux emergency: 200 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,1	3,1	8,1	3,1	
3,0	8,5	3,2	8,5	3,2	
3,5	8,8	3,1	8,8	3,1	
4,0	9,0	3,0	9,0	3,0	

672399.002.8					
Luminous flux emergency: 1550 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	15,4	6,3	15,4	6,3	
3,0	16,6	6,7	16,6	6,7	
3,5	17,7	7,1	17,7	7,1	
4,0	18,7	7,5	18,7	7,5	

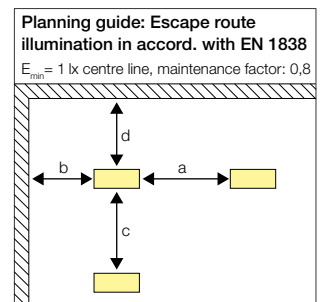
672344.002.8					
Luminous flux emergency: 1650 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	15,7	6,4	15,7	6,4	
3,0	16,9	6,9	16,9	6,9	
3,5	18,0	7,3	18,0	7,3	
4,0	19,1	7,7	19,1	7,7	

672343.002.8					
Luminous flux emergency: 1550 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	15,4	6,3	15,4	6,3	
3,0	16,6	6,8	16,6	6,8	
3,5	17,8	7,2	17,8	7,2	
4,0	18,8	7,6	18,8	7,6	

672392.002.8					
Luminous flux emergency: 540 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	11,3	4,5	11,3	4,5	
3,0	12,1	4,8	12,4	4,8	
3,5	12,9	5,0	12,9	5,0	
4,0	13,4	5,2	13,4	5,2	

672093.002.7.19					
Luminous flux emergency: 170 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	7,7	2,9	7,7	2,9	
3,0	8,1	2,9	8,1	2,9	
3,5	8,3	2,9	8,3	2,9	
4,0	8,4	2,7	8,4	2,7	

672093.002.8.19					
Luminous flux emergency: 190 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,0	3,0	8,0	3,0	
3,0	8,4	3,1	8,4	3,1	
3,5	8,7	3,1	8,7	3,1	
4,0	8,8	3,0	8,8	3,0	





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.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Uniform:** Homogeneous and smooth light distribution.
- **Dynamic:** Versions with integrated movement sensor. Master/slave circuit possible.
- **Ideal:** Several monitoring options possible.

INSTALLATION

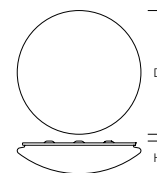
- **Easy installation:** Quick and easy to install.
- **Straightforward:** Patented fastening system for opening the luminaire(s) without tools.
- **Standard:** Suitable for through-wiring.





Ceiling and wall luminaires | FLAT POLYMERO - Plastic (PMMA)

Type of protection: IP 40
 Protection class: I
 Impact resistance: IK03
 Base: metal, powder-coated. Diffuser: plastic (PMMA), opal.
 Diffuser fastening: patented push system.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diameter D 360 mm									
672479.002.1	D 360, H 100	830	1100	13	150	-	3	Autotest	23
672479.002.1.04	D 360, H 100	830	1100	13	150	-	3	MultiDigit	23
672479.002.1.07	D 360, H 100	830	1100	13	150	-	3	DALI-Sibe	23
672479.002.3	D 360, H 100	840	1150	13	150	-	3	Autotest	23
672479.002.3.04	D 360, H 100	840	1150	13	150	-	3	MultiDigit	23
672479.002.3.07	D 360, H 100	840	1150	13	150	-	3	DALI-Sibe	23
672058.002.7.1	D 360, H 116	830	1700	15	190	-	3	Autotest	23
672058.002.7.1.04	D 360, H 116	830	1700	15	190	-	3	MultiDigit	23
672058.002.7.1.07	D 360, H 116	830	1700	15	190	-	3	DALI-Sibe	23
672058.002.5.1	D 360, H 116	840	1750	15	200	-	3	Autotest	23
672058.002.5.1.04	D 360, H 116	840	1750	15	200	-	3	MultiDigit	23
672058.002.5.1.07	D 360, H 116	840	1750	15	200	-	3	DALI-Sibe	23
Diameter D 460 mm									
672401.002	D 460, H 120	830	1800	20	150	-	3	Autotest	23
672401.002.04	D 460, H 120	830	1800	21	150	-	3	MultiDigit	23
672401.002.07	D 460, H 120	830	1800	21	150	-	3	DALI-Sibe	23
672401.002.1	D 460, H 120	840	1850	20	150	-	3	Autotest	23
672401.002.1.04	D 460, H 120	840	1850	21	150	-	3	MultiDigit	23
672401.002.1.07	D 460, H 120	840	1850	21	150	-	3	DALI-Sibe	23
672059.002.7	D 460, H 120	830	1950	20	180	-	3	Autotest	23
672059.002.7.04	D 460, H 120	830	1950	20	180	-	3	MultiDigit	23
672059.002.7.07	D 460, H 120	830	1950	20	180	-	3	DALI-Sibe	23
672059.002.5	D 460, H 120	840	2100	20	200	-	3	Autotest	23
672059.002.5.04	D 460, H 120	840	2100	20	200	-	3	MultiDigit	23
672059.002.5.07	D 460, H 120	840	2100	20	200	-	3	DALI-Sibe	23
672133.002.7	D 460, H 120	830	1950	20	120	-	8	Autotest	23
672133.002.7.04	D 460, H 120	830	1950	20	120	-	8	MultiDigit	23
672133.002.7.07	D 460, H 120	830	1950	20	120	-	8	DALI-Sibe	23
672133.002.5	D 460, H 120	840	2050	20	120	-	8	Autotest	23
672133.002.5.04	D 460, H 120	840	2050	20	120	-	8	MultiDigit	23
672133.002.5.07	D 460, H 120	840	2050	20	120	-	8	DALI-Sibe	23
Diameter D 515 mm									
672386.002	D 515, H 150	830	2550	24	200	-	3	Autotest	23
672386.002.04	D 515, H 150	830	2550	24	200	-	3	MultiDigit	23
672386.002.07	D 515, H 150	830	2550	24	200	-	3	DALI-Sibe	23
672386.002.1	D 515, H 150	840	2650	24	210	-	3	Autotest	23
672386.002.1.04	D 515, H 150	840	2650	24	210	-	3	MultiDigit	23
672386.002.1.07	D 515, H 150	840	2650	24	210	-	3	DALI-Sibe	23
Diameter D 620 mm									
672260.002	D 620, H 160	830	4050	37	390	-	3	Autotest	23
672260.002.04	D 620, H 160	830	4050	37	390	-	3	MultiDigit	23
672260.002.07	D 620, H 160	830	4050	37	390	-	3	DALI-Sibe	23
672260.002.1	D 620, H 160	840	4050	37	400	-	3	Autotest	23
672260.002.1.04	D 620, H 160	840	4050	37	400	-	3	MultiDigit	23
672260.002.1.07	D 620, H 160	840	4050	37	400	-	3	DALI-Sibe	23
672261.002	D 620, H 160	830	3950	37	100	-	8	Autotest	23
672261.002.04	D 620, H 160	830	3950	37	100	-	8	MultiDigit	23
672261.002.07	D 620, H 160	830	3950	37	100	-	8	DALI-Sibe	23
672261.002.1	D 620, H 160	840	3950	37	100	-	8	Autotest	23
672261.002.1.04	D 620, H 160	840	3950	37	100	-	8	MultiDigit	23
672261.002.1.07	D 620, H 160	840	3950	37	100	-	8	DALI-Sibe	23

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								
Diameter D 300 mm								
672423.002.1	D 300, H 100	830	1300	11	330	2,8	Power circuit	24
672423.002.3	D 300, H 100	840	1300	11	330	2,8	Power circuit	24
672425.002.7	D 300, H 100	830	1450	14	1450	14	Power circuit	24
672425.002.7.89	D 300, H 100	830	1500	15	1500	15	AC-Control	24
672425.002.5	D 300, H 100	840	1450	14	1450	14	Power circuit	24
672425.002.5.89	D 300, H 100	840	1550	15	1550	15	AC-Control	24
Diameter D 360 mm								
672335.002.1 .Q	D 360, H 100	830	1150	12	290	2,9	Power circuit	24
672335.002.1.89	D 360, H 100	830	1150	13	290	3,9	AC-Control	24
672335.002.3	D 360, H 100	840	1200	13	300	3	Power circuit	24
672335.002.3.89	D 360, H 100	840	1200	14	300	4	AC-Control	24
672056.002.7	D 360, H 100	830	1450	14	1450	14	Power circuit	24
672056.002.7.89	D 360, H 100	830	1450	15	1450	15	AC-Control	24
672056.002.5	D 360, H 100	840	1450	14	1450	14	Power circuit	24
672056.002.5.89	D 360, H 100	840	1450	15	1450	15	AC-Control	24
672381.002.1	D 360, H 100	830	1700	19	440	6,2	Power circuit	24
672381.002.1.89	D 360, H 100	830	1700	20	440	7,2	AC-Control	24
672381.002.3	D 360, H 100	840	2150	19	450	6,2	Power circuit	24
672381.002.3.89	D 360, H 100	840	2150	20	450	7,2	AC-Control	24
Diameter D 460 mm								
672395.002	D 460, H 120	830	1900	19	470	5,7	Power circuit	24
672395.002.89	D 460, H 120	830	1900	20	470	6,7	AC-Control	24
672395.002.1	D 460, H 120	840	2000	19	510	5,7	Power circuit	24
672395.002.1.89	D 460, H 120	840	2000	20	510	6,7	AC-Control	24
672057.002.7	D 460, H 120	830	2100	19	2100	19	Power circuit	24
672057.002.7.89	D 460, H 120	830	2100	20	2100	20	AC-Control	24
672057.002.5	D 460, H 120	840	2100	19	2100	19	Power circuit	24
672057.002.5.89	D 460, H 120	840	2100	20	2100	20	AC-Control	24
672421.002	D 460, H 120	830	2700	29	720	12	Power circuit	24
672421.002.89	D 460, H 120	830	2700	30	720	13	AC-Control	24
672421.002.1	D 460, H 120	840	2700	29	750	12	Power circuit	24
672421.002.1.89	D 460, H 120	840	2700	30	750	13	AC-Control	24
Diameter D 515 mm								
672388.002	D 515, H 150	830	2600	24	510	5,8	Power circuit	24
672388.002.89	D 515, H 150	830	2600	25	510	6,8	AC-Control	24
672388.002.1	D 515, H 150	840	2600	23	530	5,8	Power circuit	24
672388.002.1.89	D 515, H 150	840	2600	24	530	6,8	AC-Control	24
Diameter D 620 mm								
672262.002	D 620, H 160	830	4050	38	460	5,9	Power circuit	24
672262.002.89	D 620, H 160	830	4050	39	490	6,9	AC-Control	24
672262.002.1	D 620, H 160	840	4050	38	460	5,9	Power circuit	24
672262.002.1.89	D 620, H 160	840	4050	39	490	6,9	AC-Control	24

672479.002.1					
Luminous flux emergency: 150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,4	2,8	7,4	2,8	
3,0	7,7	2,8	7,7	2,8	
3,5	7,9	2,8	7,9	2,8	
4,0	8,0	2,6	8,0	2,6	

672401.002					
Luminous flux emergency: 150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,4	2,8	7,4	2,8	
3,0	7,7	2,8	7,7	2,8	
3,5	7,9	2,7	7,9	2,7	
4,0	8,0	2,6	8,0	2,6	

672386.002					
Luminous flux emergency: 200 lm Following values are indicated in m					
h	a	b	c	d	
2,5	9,1	3,5	9,1	3,5	
3,0	9,6	3,7	9,6	3,7	
3,5	10,0	3,8	10,0	3,8	
4,0	10,4	3,8	10,4	3,8	

672260.002					
Luminous flux emergency: 390 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,1	4,0	10,1	4,0	
3,0	10,8	4,2	10,8	4,2	
3,5	11,4	4,4	11,4	4,4	
4,0	11,8	4,5	11,8	4,5	

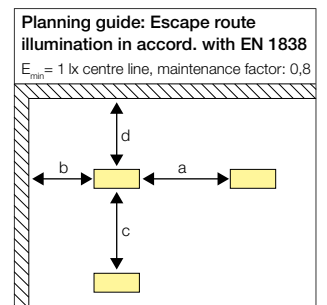
672261.002					
Luminous flux emergency: 100 lm Following values are indicated in m					
h	a	b	c	d	
2,5	6,3	2,3	6,3	2,3	
3,0	6,5	2,2	6,5	2,2	
3,5	6,5	2,0	6,5	2,0	
4,0	6,4	1,6	6,4	1,6	

672423.002.1					
Luminous flux emergency: 330 lm Following values are indicated in m					
h	a	b	c	d	
2,5	9,7	3,8	9,7	3,8	
3,0	10,2	3,9	10,2	3,9	
3,5	10,7	4,1	10,7	4,1	
4,0	11,1	4,1	11,1	4,1	

672335.002.1					
Luminous flux emergency: 290 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,8	3,4	8,8	3,4	
3,0	9,3	3,6	9,3	3,6	
3,5	9,7	3,6	9,7	3,6	
4,0	10,1	3,6	10,1	3,6	

672395.002					
Luminous flux emergency: 470 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,7	4,3	10,7	4,3	
3,0	11,5	4,5	11,5	4,5	
3,5	12,1	4,7	12,1	4,7	
4,0	12,6	4,8	12,6	4,8	

672388.002					
Luminous flux emergency: 510 lm Following values are indicated in m					
h	a	b	c	d	
2,5	11,3	4,4	10,7	4,3	
3,0	12,0	4,6	11,5	4,5	
3,5	12,6	4,8	12,1	4,7	
4,0	13,1	4,9	12,7	4,9	

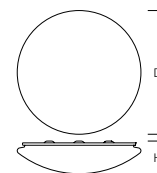




Ceiling and wall luminaires | FLAT POLYMERO - Plastic (polycarbonate)

Type of protection: IP 40
 Protection class: I
 Impact resistance: IK10

Base: metal, powder-coated. Diffuser made of plastic (polycarbonate), opal, shockproof.
 Diffuser fastening: patented push system.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Ⓛ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diameter D 460 mm									
672401.002.2	D 460, H 120	830	2100	21	180	-	3	Autotest	23
672401.002.2.04	D 460, H 120	830	2100	21	180	-	3	MultiDigit	23
672401.002.2.07	D 460, H 120	830	2100	21	180	-	3	DALI-Sibe	23
672401.002.4	D 460, H 120	840	2200	21	190	-	3	Autotest	23
672401.002.4.04	D 460, H 120	840	2200	21	190	-	3	MultiDigit	23
672401.002.4.07	D 460, H 120	840	2200	21	190	-	3	DALI-Sibe	23
672059.002.8	D 460, H 120	830	2100	20	200	-	3	Autotest	23
672059.002.8.04	D 460, H 120	830	2100	20	200	-	3	MultiDigit	23
672059.002.8.07	D 460, H 120	830	2100	20	200	-	3	DALI-Sibe	23
672059.002.6	D 460, H 120	840	2250	20	210	-	3	Autotest	23
672059.002.6.04	D 460, H 120	840	2250	20	210	-	3	MultiDigit	23
672059.002.6.07	D 460, H 120	840	2250	20	210	-	3	DALI-Sibe	23
672133.002.8	D 460, H 120	830	2100	20	130	-	8	Autotest	23
672133.002.8.04	D 460, H 120	830	2100	20	130	-	8	MultiDigit	23
672133.002.8.07	D 460, H 120	830	2100	20	130	-	8	DALI-Sibe	23
672133.002.6	D 460, H 120	840	2200	20	140	-	8	Autotest	23
672133.002.6.04	D 460, H 120	840	2200	20	140	-	8	MultiDigit	23
672133.002.6.07	D 460, H 120	840	2200	20	140	-	8	DALI-Sibe	23
Diameter D 515 mm									
672386.002.8	D 515, H 150	830	2700	24	210	-	3	Autotest	23
672386.002.8.04	D 515, H 150	830	2700	24	210	-	3	MultiDigit	23
672386.002.8.07	D 515, H 150	830	2700	24	210	-	3	DALI-Sibe	23
672386.002.6	D 515, H 150	840	2850	24	220	-	3	Autotest	23
672386.002.6.04	D 515, H 150	840	2850	24	220	-	3	MultiDigit	23
672386.002.6.07	D 515, H 150	840	2850	24	220	-	3	DALI-Sibe	23
Diameter D 620 mm									
672260.002.8	D 620, H 160	830	4200	37	410	-	3	Autotest	23
672260.002.8.04	D 620, H 160	830	4200	37	410	-	3	MultiDigit	23
672260.002.8.07	D 620, H 160	830	4200	37	410	-	3	DALI-Sibe	23
672260.002.6	D 620, H 160	840	4400	37	430	-	3	Autotest	23
672260.002.6.04	D 620, H 160	840	4400	37	430	-	3	MultiDigit	23
672260.002.6.07	D 620, H 160	840	4400	37	430	-	3	DALI-Sibe	23
672261.002.8	D 620, H 160	830	4200	37	130	-	8	Autotest	23
672261.002.8.04	D 620, H 160	830	4200	37	130	-	8	MultiDigit	23
672261.002.8.07	D 620, H 160	830	4200	37	130	-	8	DALI-Sibe	23
672261.002.6	D 620, H 160	840	4400	37	140	-	8	Autotest	23
672261.002.6.04	D 620, H 160	840	4400	37	140	-	8	MultiDigit	23
672261.002.6.07	D 620, H 160	840	4400	37	140	-	8	DALI-Sibe	23

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								
Diameter D 300 mm								
672423.002.2	D 300, H 100	830	1350	11	350	2,8	Power circuit	24
672423.002.4	D 300, H 100	840	1350	11	350	2,8	Power circuit	24
672425.002.8	D 300, H 100	830	1450	14	1450	14	Power circuit	24
672425.002.8.89	D 300, H 100	830	1600	15	1600	15	AC-Control	24
672425.002.6	D 300, H 100	840	1500	14	1500	14	Power circuit	24
672425.002.6.89	D 300, H 100	840	1650	15	1650	15	AC-Control	24
Diameter D 360 mm								
672335.002.2	D 360, H 100	830	1300	13	320	2,7	Power circuit	24
672335.002.2.89	D 360, H 100	830	1300	14	320	3,7	AC-Control	24
672335.002.4	D 360, H 100	840	1350	13	340	2,7	Power circuit	24
672335.002.4.89	D 360, H 100	840	1350	14	340	3,7	AC-Control	24
672056.002.8	D 360, H 100	830	1650	14	1650	14	Power circuit	24
672056.002.8.89	D 360, H 100	830	1650	15	1650	15	AC-Control	24
672056.002.6	D 360, H 100	840	1750	14	1750	14	Power circuit	24
672056.002.6.89	D 360, H 100	840	1750	15	1750	15	AC-Control	24
Diameter D 460 mm								
672395.002.2	D 460, H 120	830	2000	19	500	6	Power circuit	24
672395.002.2.89	D 460, H 120	830	2000	20	500	7	AC-Control	24
672395.002.4	D 460, H 120	840	2050	19	510	6	Power circuit	24
672395.002.4.89	D 460, H 120	840	2050	20	510	7	AC-Control	24
672421.002.2	D 460, H 120	830	2800	29	700	12	Power circuit	24
672421.002.2.89	D 460, H 120	830	2800	30	700	13	AC-Control	24
672421.002.4	D 460, H 120	840	2950	29	740	12	Power circuit	24
672421.002.4.89	D 460, H 120	840	2950	30	740	13	AC-Control	24
672057.002.8	D 460, H 120	830	1600	12	1600	12	Power circuit	24
672057.002.8.89	D 460, H 120	830	1600	13	1600	13	AC-Control	24
672057.002.6	D 460, H 120	840	1700	12	1700	12	Power circuit	24
672057.002.6.89	D 460, H 120	840	1700	13	1700	13	AC-Control	24
Diameter D 515 mm								
672388.002.8	D 515, H 150	830	2600	23	550	5,8	Power circuit	24
672388.002.8.89	D 515, H 150	830	2600	24	570	6,8	AC-Control	24
672388.002.6	D 515, H 150	840	2750	23	580	5,8	Power circuit	24
672388.002.6.89	D 515, H 150	840	2750	24	600	6,8	AC-Control	24
Diameter D 620 mm								
672262.002.8	D 620, H 160	830	4250	38	480	5,9	Power circuit	24
672262.002.8.89	D 620, H 160	830	4250	39	490	6,9	AC-Control	24
672262.002.6	D 620, H 160	840	4250	38	480	5,9	Power circuit	24
672262.002.6.89	D 620, H 160	840	4250	39	490	6,9	AC-Control	24

672401.002.2					
Luminous flux emergency: 180 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,9	3,0	7,9	3,0	
3,0	8,3	3,1	8,3	3,1	
3,5	8,7	3,1	8,7	3,1	
4,0	8,8	3,0	8,8	3,0	

672386.002.8					
Luminous flux emergency: 210 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,2	3,2	8,2	3,2	
3,0	8,7	3,3	8,7	3,3	
3,5	9,0	3,3	9,0	3,3	
4,0	9,2	3,2	9,2	3,2	

672260.002.8					
Luminous flux emergency: 410 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,4	4,1	10,4	4,1	
3,0	11,1	4,4	11,1	4,4	
3,5	11,7	4,5	11,7	4,5	
4,0	12,2	4,7	12,2	4,7	

672423.002.2					
Luminous flux emergency: 350 lm Following values are indicated in m					
h	a	b	c	d	
2,5	9,8	3,9	9,8	3,9	
3,0	10,5	4,0	10,5	4,0	
3,5	11,0	4,2	11,0	4,2	
4,0	11,3	4,2	11,3	4,2	

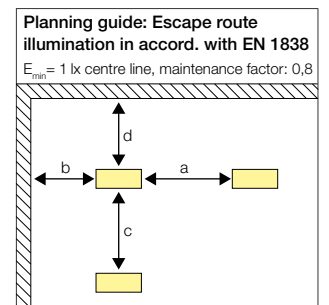
672425.002.8					
Luminous flux emergency: 1450 lm Following values are indicated in m					
h	a	b	c	d	
2,5	15,3	6,1	15,3	6,1	
3,0	16,4	6,5	16,4	6,5	
3,5	17,3	6,9	17,3	6,9	
4,0	18,2	7,2	18,2	7,2	

672335.002.2					
Luminous flux emergency: 320 lm Following values are indicated in m					
h	a	b	c	d	
2,5	9,6	3,8	9,6	3,8	
3,0	10,2	4,0	10,2	4,0	
3,5	10,8	4,1	10,8	4,1	
4,0	11,2	4,2	11,2	4,2	

672395.002.2					
Luminous flux emergency: 500 lm Following values are indicated in m					
h	a	b	c	d	
2,5	11,0	4,3	11,0	4,3	
3,0	11,7	4,6	11,7	4,6	
3,5	12,3	4,8	12,3	4,8	
4,0	12,9	4,9	12,9	4,9	

672388.002.8					
Luminous flux emergency: 550 lm Following values are indicated in m					
h	a	b	c	d	
2,5	11,3	4,5	11,3	4,5	
3,0	12,1	4,8	12,1	4,8	
3,5	12,7	5,0	12,7	5,0	
4,0	13,3	5,2	13,3	5,2	

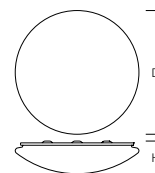
672262.002.					
Luminous flux emergency: 480 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,8	4,3	10,8	4,3	
3,0	11,5	4,5	11,5	4,5	
3,5	12,1	4,7	12,1	4,7	
4,0	12,6	4,8	12,6	4,8	





Ceiling and wall luminaires | FLAT POLYMERO - Movement sensor

Type of protection: IP 40
 Protection class: I
 Impact resistance: IK03 (PMMA), IK10 (polycarbonate)
 Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Functional parameters of the motion detector (ceiling mounting up to 4.0 m or wall mounting up to 2.7 m):

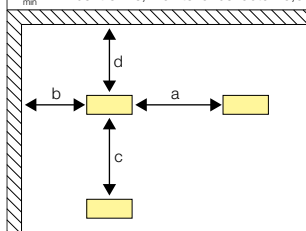
- HF detector 5.8 GHz ISM frequency band.
- Sensitivity/Range: 1-8 m in diameter, adjustable from 20-100%.
- Time control between 10 seconds and 30 minutes, adjustable.
- Coverage: 120°.
- Can be used as master luminaire up to 800 W (ohmic load), 500 W (fluorescent lamp, LED) / 400 A, 200 µs.
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diffuser: plastic (PMMA)									
Diameter D 360 mm									
672134.002.7.1.19	D 360, H 116	830	1700	15	190	-	3	Autotest	23
672134.002.5.1.19	D 360, H 116	840	1750	15	200	-	3	Autotest	23
Diameter D 460 mm									
672059.002.7.1.19	D 460, H 120	830	2050	21	180	-	3	Autotest	23
672133.002.7.1.19	D 460, H 120	830	2050	22	100	-	8	Autotest	23
672059.002.5.1.19	D 460, H 120	840	2100	21	200	-	3	Autotest	23
672133.002.5.1.19	D 460, H 120	840	2100	22	100	-	8	Autotest	23
Diffuser: plastic (polycarbonate)									
Diameter D 360 mm									
672134.002.8.1.19	D 360, H 116	830	1750	15	200	-	3	Autotest	23
672134.002.6.1.19	D 360, H 116	840	1800	15	210	-	3	Autotest	23
Diameter D 460 mm									
672059.002.8.1.19	D 460, H 120	830	2100	21	180	-	3	Autotest	23
672133.002.8.1.19	D 460, H 120	830	2100	21	130	-	8	Autotest	23
672059.002.6.1.19	D 460, H 120	840	2200	21	210	-	3	Autotest	23
672133.002.6.1.19	D 460, H 120	840	2200	21	140	-	8	Autotest	23

Planning guide: Escape route illumination in accord. with EN 1838

$E_{min} = 1 \text{ lx}$ centre line, maintenance factor: 0,8



672134.002.7.1.19					
Luminous flux emergency: 190 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,1	3,1	8,1	3,1	
3,0	8,6	3,2	8,6	3,2	
3,5	8,9	3,2	8,9	3,2	
4,0	9,1	3,2	9,1	3,2	

672059.002.7.1.19					
Luminous flux emergency: 180 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,3	3,2	8,3	3,2	
3,0	8,8	3,4	8,8	3,4	
3,5	9,2	3,4	9,2	3,4	
4,0	9,5	3,4	9,5	3,4	

672133.002.7.1.19					
Luminous flux emergency: 100 lm Following values are indicated in m					
h	a	b	c	d	
2,5	6,8	2,5	6,8	2,5	
3,0	7,1	2,5	7,1	2,5	
3,5	7,2	2,4	7,2	2,4	
4,0	7,2	2,2	7,2	2,2	

672134.002.8.1.19					
Luminous flux emergency: 200 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,3	3,2	8,3	3,2	
3,0	8,8	3,3	8,8	3,3	
3,5	9,1	3,4	9,1	3,4	
4,0	9,4	3,3	9,4	3,3	

672059.002.8.1.19					
Luminous flux emergency: 180 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,9	3,0	7,9	3,0	
3,0	8,3	3,1	8,3	3,1	
3,5	8,6	3,1	8,6	3,1	
4,0	8,8	3,0	8,8	3,0	

672133.002.8.1.19					
Luminous flux emergency: 130 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,0	2,6	7,0	2,6	
3,0	7,3	2,6	7,3	2,6	
3,5	7,5	2,5	7,5	2,5	
4,0	7,5	2,3	7,5	2,3	





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 and recyclable components.

LIGHTING DESIGN

- **Advantageous:** Wide luminaire spacing for escape route illumination.
- **Easy to maintain:** Very low maintenance costs due to the latest LED technology.
- **Ideal:** Several monitoring options possible.

INSTALLATION

- **Tested:** Qualified for use in the food and drink industry.
- **Easy installation:** Easy, no-fuss installation.
- **Standard:** Suitable for through-wiring.

Ceiling and wall luminaires | PLANADO

Type of protection: IP 54 Ceiling mounting, IP 50 Wall mounting
 Protection class: I
 Impact resistance: 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.

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


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency system power [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Length L 320 mm									
672615.002	L 320, B 160, H 58	840	590	7,5	310	-	3	Autotest	23
672615.002.04	L 320, B 160, H 58	840	590	7,5	310	-	3	MultiDigit	23
672615.002.07	L 320, B 160, H 58	840	590	7,5	310	-	3	DALI-Sibe	23
672616.002	L 320, B 160, H 58	840	590	7,6	140	-	8	Autotest	23
672616.002.04	L 320, B 160, H 58	840	590	7,6	140	-	8	MultiDigit	23
672616.002.07	L 320, B 160, H 58	840	590	7,6	140	-	8	DALI-Sibe	23
Length L 600 mm									
672628.002	L 600, B 160, H 58	830	2050	20	370	-	3	Autotest	23
672628.002.04	L 600, B 160, H 58	830	2050	20	370	-	3	MultiDigit	23
672628.002.07	L 600, B 160, H 58	830	2050	20	370	-	3	DALI-Sibe	23
672629.002	L 600, B 160, H 58	830	2050	20	150	-	8	Autotest	23
672629.002.04	L 600, B 160, H 58	830	2050	20	150	-	8	MultiDigit	23
672629.002.07	L 600, B 160, H 58	830	2050	20	150	-	8	DALI-Sibe	23
672628.002.1	L 600, B 160, H 58	840	2050	20	380	-	3	Autotest	23
672628.002.1.04	L 600, B 160, H 58	840	2050	20	380	-	3	MultiDigit	23
672628.002.1.07	L 600, B 160, H 58	840	2050	20	380	-	3	DALI-Sibe	23
672629.002.1	L 600, B 160, H 58	840	2050	20	160	-	8	Autotest	23
672629.002.1.04	L 600, B 160, H 58	840	2050	20	160	-	8	MultiDigit	23
672629.002.1.07	L 600, B 160, H 58	840	2050	20	160	-	8	DALI-Sibe	23

Luminaires for central battery system

Length L 320 mm									
672610.002	L 320, B 160, H 58	840	600	5,1	600	4,9		Power circuit	24
672610.002.89	L 320, B 160, H 58	840	600	6,1	600	5,9		AC-Control	24
Length L 600 mm									
672625.002	L 600, B 160, H 58	830	2050	17	2050	17		Power circuit	24
672625.002.89	L 600, B 160, H 58	830	2050	18	2050	18		AC-Control	24
672625.002.1	L 600, B 160, H 58	840	2050	17	2050	17		Power circuit	24
672625.002.1.89	L 600, B 160, H 58	840	2050	18	2050	18		AC-Control	24

672615.002					
Luminous flux emergency: 310 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,4	3,7	10,0	3,9	
3,0	10,0	3,9	10,6	4,1	
3,5	10,6	4,0	11,1	4,2	
4,0	11,0	4,1	11,5	4,3	

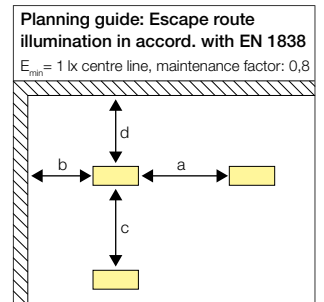
672616.002					
Luminous flux emergency: 140 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	7,2	2,7	7,6	2,8	
3,0	7,6	2,7	7,7	2,8	
3,5	7,8	2,7	8,1	2,8	
4,0	7,8	2,5	8,1	2,6	

672628.002					
Luminous flux emergency: 370 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,8	3,9	10,6	4,2	
3,0	10,6	4,2	11,3	4,4	
3,5	11,2	4,3	11,9	4,6	
4,0	11,7	4,4	12,4	4,7	

672629.002					
Luminous flux emergency: 150 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	7,4	2,8	7,8	3,0	
3,0	7,7	2,8	8,2	3,0	
3,5	8,0	2,8	8,4	2,9	
4,0	8,1	2,7	8,5	2,8	

672610.002					
Luminous flux emergency: 600 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	11,4	4,6	12,3	4,9	
3,0	12,3	4,9	13,2	5,2	
3,5	13,1	5,2	13,9	5,5	
4,0	13,8	5,4	14,6	5,7	

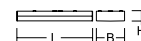
672625.002					
Luminous flux emergency: 2050 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	15,7	6,5	17,9	7,3	
3,0	17,1	7,1	19,3	7,8	
3,5	18,4	7,6	20,5	8,3	
4,0	19,6	8,0	21,3	8,7	





Ceiling and wall luminaires | PLANADO

Type of protection: IP 54 Ceiling mounting, IP 50 Wall mounting
 Protection class: I
 Impact resistance: 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.

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

Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Length L 320 mm									
672613.002	L 320, B 160, H 59	840	590	7,5	310	-	3	Autotest	23
672613.002.04	L 320, B 160, H 59	840	590	7,5	310	-	3	MultiDigit	23
672613.002.07	L 320, B 160, H 59	840	590	7,5	310	-	3	DALI-Sibe	23
672614.002	L 320, B 160, H 59	840	590	7,6	140	-	8	Autotest	23
672614.002.04	L 320, B 160, H 59	840	590	7,6	140	-	8	MultiDigit	23
672614.002.07	L 320, B 160, H 59	840	590	7,6	140	-	8	DALI-Sibe	23
Length L 600 mm									
672626.002	L 600, B 160, H 58	830	2050	20	370	-	3	Autotest	23
672626.002.04	L 600, B 160, H 58	830	2050	20	370	-	3	MultiDigit	23
672626.002.07	L 600, B 160, H 58	830	2050	20	370	-	3	DALI-Sibe	23
672627.002	L 600, B 160, H 58	830	2050	20	150	-	8	Autotest	23
672627.002.04	L 600, B 160, H 58	830	2050	20	150	-	8	MultiDigit	23
672627.002.07	L 600, B 160, H 58	830	2050	20	150	-	8	DALI-Sibe	23
672626.002.1	L 600, B 160, H 58	840	2100	20	380	-	3	Autotest	23
672626.002.1.04	L 600, B 160, H 58	840	2100	20	380	-	3	MultiDigit	23
672626.002.1.07	L 600, B 160, H 58	840	2100	20	380	-	3	DALI-Sibe	23
672627.002.1	L 600, B 160, H 58	840	2100	20	160	-	8	Autotest	23
672627.002.1.04	L 600, B 160, H 58	840	2100	20	160	-	8	MultiDigit	23
672627.002.1.07	L 600, B 160, H 58	840	2100	20	160	-	8	DALI-Sibe	23

Luminaires for central battery system									
Length L 320 mm									
672609.002	L 320, B 160, H 59	840	600	5,1	600	4,9		Power circuit	24
672609.002.89	L 320, B 160, H 59	840	600	6,1	600	5,9		AC-Control	24
Length L 600 mm									
672624.002	L 600, B 160, H 58	830	2050	17	2050	17		Power circuit	24
672624.002.89	L 600, B 160, H 58	830	2050	18	2050	18		AC-Control	24
672624.002.1	L 600, B 160, H 58	840	2100	17	2100	17		Power circuit	24
672624.002.1.89	L 600, B 160, H 58	840	2100	18	2100	18		AC-Control	24

672613.002					
Luminous flux emergency: 310 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,8	3,5	10,1	3,9	
3,0	9,4	3,6	10,6	4,0	
3,5	9,8	3,7	11,1	4,1	
4,0	10,2	3,7	11,4	4,1	

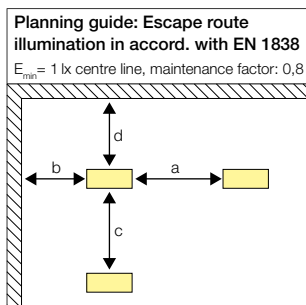
672614.002					
Luminous flux emergency: 140 lm Following values are indicated in m					
h	a	b	c	d	
2,5	6,7	2,5	7,5	2,7	
3,0	7,0	2,4	7,8	2,7	
3,5	7,1	2,3	7,9	2,6	
4,0	7,1	2,0	7,8	2,3	

672626.002					
Luminous flux emergency: 370 lm Following values are indicated in m					
h	a	b	c	d	
2,5	9,3	3,7	10,7	4,2	
3,0	9,9	3,9	11,4	4,4	
3,5	10,4	4,0	11,9	4,5	
4,0	10,8	4,0	12,2	4,5	

672627.002					
Luminous flux emergency: 150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	6,8	2,5	7,7	2,9	
3,0	7,1	2,5	8,0	2,8	
3,5	7,3	2,4	8,2	2,7	
4,0	7,3	2,2	8,1	2,5	

672609.002					
Luminous flux emergency: 600 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,7	4,3	12,5	4,9	
3,0	11,6	4,6	13,4	5,2	
3,5	12,2	4,8	14,0	5,4	
4,0	12,9	5,0	14,6	5,6	

672624.002					
Luminous flux emergency: 2050 lm Following values are indicated in m					
h	a	b	c	d	
2,5	14,9	6,2	18,5	7,4	
3,0	16,3	6,7	19,8	8,0	
3,5	17,5	7,2	21,0	8,4	
4,0	18,6	7,6	22,1	8,8	





PLANADO



TOLEDO FLAT+

Recessed downlights

ARCHITECTURE

- **Advantageous:** Design continuity to the general lighting product range.
- **Design-oriented:** Minimalist design. Shallow recessed depth.
- **Protected:** High protection type IP 54 on the room side.
- **Applicable:** Corridors, side rooms, hotels, restaurants, conference rooms.

LIGHTING DESIGN

- **Anti-glare:** Versions suitable for office areas and computer workstations.
- **Homogenous:** Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic.
- **MultiLumen:** 4-step adjustable luminous flux. Only for self-contained luminaire.
- **MultiColour:** Colour temperature individually adjustable either 3000 K or 4000 K.
- **Ideal:** Several monitoring options possible.

INSTALLATION

- **Easy installation:** Simple mounting spring system for installation without tools.
- **Straightforward:** Easy installation with Plug & Play plug connection.
- **Combinable:** Can be directly covered with thermal insulation material (applies only to the lower lumen levels).
- **Expandable:** Surface mounted housing as accessory for all sizes.



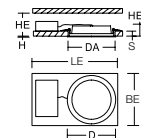


Recessed downlights | TOLEDO FLAT+ round - Diffuser opal

Type of protection: IP 20, IP54 on room side
 Protection class: II
 Ceiling thickness S: 1-20 mm
 Impact resistance: IK03

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. 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.

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



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

MultiLumen: Luminous flux variable in 4 steps. Factory setting is step 2.

Luminaires for central battery system

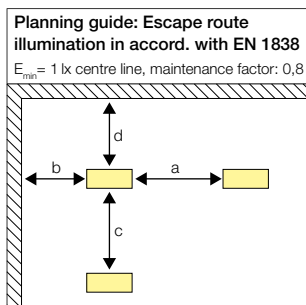
Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Monitoring [h]	Price Category
Self-contained emergency luminaires								
Installation dimensions DA 257 mm, HE 100 mm								
672719.002	D 270, H 2, HEL 40	830, 840	1650...3150	15...25	430	-	3	Autotest 23
672719.002.04	D 270, H 2, HEL 40	830, 840	1650...3150	15...25	430	-	3	MultiDigit 23
672719.002.07	D 270, H 2, HEL 40	830, 840	1650...3150	15...25	430	-	3	DALI-Sibe 23
672720.002	D 270, H 2, HEL 40	830, 840	1650...3150	15...25	180	-	8	Autotest 23
672720.002.04	D 270, H 2, HEL 40	830, 840	1650...3150	15...25	180	-	8	MultiDigit 23
672720.002.07	D 270, H 2, HEL 40	830, 840	1650...3150	15...25	180	-	8	DALI-Sibe 23
Installation dimensions DA 377 mm, HE 60 mm								
672727.002	D 390, H 2, HEL 40	830, 840	1550...2950	15...25	430	-	3	Autotest 23
672727.002.04	D 390, H 2, HEL 40	830, 840	1550...2950	15...25	430	-	3	MultiDigit 23
672727.002.07	D 390, H 2, HEL 40	830, 840	1550...2950	15...25	430	-	3	DALI-Sibe 23
672728.002	D 390, H 2, HEL 40	830, 840	1550...2950	15...25	180	-	8	Autotest 23
672728.002.04	D 390, H 2, HEL 40	830, 840	1550...2950	15...25	180	-	8	MultiDigit 23
672728.002.07	D 390, H 2, HEL 40	830, 840	1550...2950	15...25	180	-	8	DALI-Sibe 23
Installation dimensions DA 457 mm, HE 70 mm								
672735.002	D 470, H 2, HEL 41	830, 840	3050...4450	25...36	430	-	3	Autotest 23
672735.002.04	D 470, H 2, HEL 41	830, 840	3050...4450	25...36	430	-	3	MultiDigit 23
672735.002.07	D 470, H 2, HEL 41	830, 840	3050...4450	25...36	430	-	3	DALI-Sibe 23
672736.002	D 470, H 2, HEL 41	830, 840	3050...4450	25...36	180	-	8	Autotest 23
672736.002.04	D 470, H 2, HEL 41	830, 840	3050...4450	25...36	180	-	8	MultiDigit 23
672736.002.07	D 470, H 2, HEL 41	830, 840	3050...4450	25...36	180	-	8	DALI-Sibe 23

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Monitoring [h]	Price Category
Luminaires for central battery system								
Installation dimensions DA 257 mm, HE 60 mm								
672717.002	D 270, H 2, HEL 40	830, 840	2200	15	880	6,3	Power circuit	24
672717.002.89	D 270, H 2, HEL 40	830, 840	2200	16	880	7,3	AC-Control	24
672718.002	D 270, H 2, HEL 40	830, 840	3150	22	950	7	Power circuit	24
672718.002.89	D 270, H 2, HEL 40	830, 840	3150	23	950	8	AC-Control	24
Installation dimensions DA 377 mm, HE 60 mm								
672725.002	D 390, H 2, HEL 40	830, 840	2050	15	820	6,5	Power circuit	24
672725.002.89	D 390, H 2, HEL 40	830, 840	2050	16	820	7,5	AC-Control	24
672726.002	D 390, H 2, HEL 40	830, 840	2950	22	890	7,3	Power circuit	24
672726.002.89	D 390, H 2, HEL 40	830, 840	2950	23	890	8,3	AC-Control	24
Installation dimensions DA 457 mm, HE 70 mm								
672733.002	D 470, H 2, HEL 41	830, 840	3550	26	1050	7,2	Power circuit	24
672733.002.89	D 470, H 2, HEL 41	830, 840	3550	27	1050	8,2	AC-Control	24
672734.002	D 470, H 2, HEL 41	830, 840	4450	33	890	7	Power circuit	24
672734.002.89	D 470, H 2, HEL 41	830, 840	4450	34	890	8	AC-Control	24

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



672719.002				
Luminous flux emergency: 430 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	10,5	4,4	10,8	4,4
3,0	11,7	4,7	11,7	4,7
3,5	12,4	4,9	12,4	4,9
4,0	13,0	5,1	13,0	5,1

672720.002				
Luminous flux emergency: 180 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	8,3	3,2	8,3	3,2
3,0	8,8	3,4	8,8	3,4
3,5	9,2	3,4	9,2	3,4
4,0	9,5	3,4	9,5	3,4

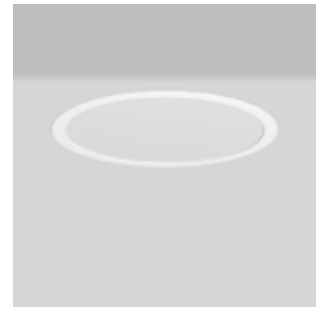
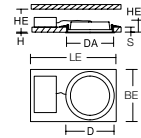
672717.002				
Luminous flux emergency: 880 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	13,2	5,4	13,2	5,4
3,0	14,3	5,8	14,3	5,8
3,5	15,3	6,2	15,3	6,2
4,0	16,2	6,5	16,2	6,5

Recessed downlights | TOLEDO FLAT+ round - Diffuser microprismatic

Type of protection: IP 20, IP54 on room side
 Protection class: II
 Ceiling thickness S: 1-20 mm
 Impact resistance: IK03

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic (PMMA) 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.

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


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

MultiLumen: Luminous flux variable in 4 steps. Factory setting is step 2.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Ⓢ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Installation dimensions DA 257 mm, HE 100 mm									
672723.002	D 270, H 2, HEL 40	830, 840	1450...2800	15...25	370	-	3	Autotest	23
672723.002.04	D 270, H 2, HEL 40	830, 840	1450...2800	15...25	370	-	3	MultiDigit	23
672723.002.07	D 270, H 2, HEL 40	830, 840	1450...2800	15...25	370	-	3	DALI-Sibe	23
672724.002	D 270, H 2, HEL 40	830, 840	1450...2800	15...25	160	-	8	Autotest	23
672724.002.04	D 270, H 2, HEL 40	830, 840	1450...2800	15...25	160	-	8	MultiDigit	23
672724.002.07	D 270, H 2, HEL 40	830, 840	1450...2800	15...25	160	-	8	DALI-Sibe	23
Installation dimensions DA 377 mm, HE 60 mm									
672731.002	D 390, H 2, HEL 40	830, 840	1500...2550	15...25	370	-	3	Autotest	23
672731.002.04	D 390, H 2, HEL 40	830, 840	1500...2550	15...25	370	-	3	MultiDigit	23
672731.002.07	D 390, H 2, HEL 40	830, 840	1500...2550	15...25	370	-	3	DALI-Sibe	23
672732.002	D 390, H 2, HEL 40	830, 840	1500...2550	15...25	160	-	8	Autotest	23
672732.002.04	D 390, H 2, HEL 40	830, 840	1500...2550	15...25	160	-	8	MultiDigit	23
672732.002.07	D 390, H 2, HEL 40	830, 840	1500...2550	15...25	160	-	8	DALI-Sibe	23
Installation dimensions DA 457 mm, HE 70 mm									
672739.002	D 470, H 2, HEL 41	830, 840	2600...3800	25...36	370	-	3	Autotest	23
672739.002.04	D 470, H 2, HEL 41	830, 840	2600...3800	25...36	370	-	3	MultiDigit	23
672739.002.07	D 470, H 2, HEL 41	830, 840	2600...3800	25...36	370	-	3	DALI-Sibe	23
672740.002	D 470, H 2, HEL 41	830, 840	2600...3800	25...36	160	-	8	Autotest	23
672740.002.04	D 470, H 2, HEL 41	830, 840	2600...3800	25...36	160	-	8	MultiDigit	23
672740.002.07	D 470, H 2, HEL 41	830, 840	2600...3800	25...36	160	-	8	DALI-Sibe	23

Luminaires for central battery system

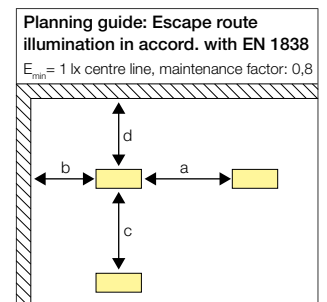
Installation dimensions DA 257 mm, HE 60 mm									
672721.002	D 270, H 2, HEL 40	830, 840	1950	15	780	6,3		Power circuit	24
672721.002.89	D 270, H 2, HEL 40	830, 840	1950	16	780	7,3		AC-Control	24
672722.002	D 270, H 2, HEL 40	830, 840	2800	22	840	7		Power circuit	24
672722.002.89	D 270, H 2, HEL 40	830, 840	2800	23	840	8		AC-Control	24
Installation dimensions DA 377 mm, HE 60 mm									
672729.002	D 390, H 2, HEL 40	830, 840	1800	15	720	6,5		Power circuit	24
672729.002.89	D 390, H 2, HEL 40	830, 840	1800	16	720	7,5		AC-Control	24
672730.002	D 390, H 2, HEL 40	830, 840	2550	22	770	7,3		Power circuit	24
672730.002.89	D 390, H 2, HEL 40	830, 840	2550	23	770	8,3		AC-Control	24
Installation dimensions DA 457 mm, HE 70 mm									
672737.002	D 470, H 2, HEL 41	830, 840	3050	26	920	7,2		Power circuit	24
672737.002.89	D 470, H 2, HEL 41	830, 840	3050	27	920	8,2		AC-Control	24
672738.002	D 470, H 2, HEL 41	830, 840	3800	33	760	7		Power circuit	24
672738.002.89	D 470, H 2, HEL 41	830, 840	3800	34	760	8		AC-Control	24

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

672723.002					
Luminous flux emergency: 370 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,6	3,6	8,6	3,6	
3,0	9,4	3,9	9,4	3,9	
3,5	10,1	4,2	10,1	4,2	
4,0	10,8	4,5	10,8	4,5	

672724.002					
Luminous flux emergency: 160 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	6,9	2,8	6,9	2,8	
3,0	7,5	3,1	7,5	3,1	
3,5	8,1	3,3	8,1	3,3	
4,0	8,6	3,5	8,6	3,5	

672721.002					
Luminous flux emergency: 780 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,5	4,3	10,5	4,3	
3,0	11,4	4,7	11,4	4,7	
3,5	12,3	5,1	12,3	5,1	
4,0	13,1	5,4	13,1	5,4	



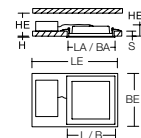


Recessed downlights | TOLEDO FLAT+ square - Diffuser opal

Type of protection: IP 20, IP54 on room side
 Protection class: II
 Ceiling thickness S: 1-20 mm
 Impact resistance: IK03

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. 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.

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



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

MultiLumen: Luminous flux variable in 4 steps. Factory setting is step 2.

Luminaires for central battery system

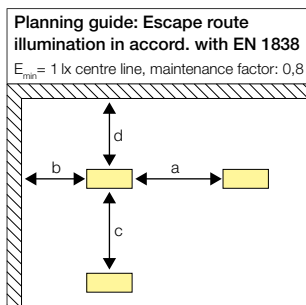
Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⊙ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Installation dimensions LA 217 x BA 217 mm, HE 90 mm									
672746.002	L 230, B 230, H 2, HEL 37	830, 840	1050...2100	11...18	430	-	3	Autotest	23
672746.002.04	L 230, B 230, H 2, HEL 36	830, 840	1050...2100	11...18	430	-	3	MultiDigit	23
672746.002.07	L 230, B 230, H 2, HEL 36	830, 840	1050...2100	11...18	430	-	3	DALI-Sibe	23
672747.002	L 230, B 230, H 2, HEL 37	830, 840	1050...2100	11...18	180	-	8	Autotest	23
672747.002.04	L 230, B 230, H 2, HEL 36	830, 840	1050...2100	11...18	180	-	8	MultiDigit	23
672747.002.07	L 230, B 230, H 2, HEL 36	830, 840	1050...2100	11...18	180	-	8	DALI-Sibe	23
Installation dimensions LA 297 x BA 297 mm, HE 60 mm									
672754.002	L 310, B 310, H 2, HEL 42	830, 840	1650...3050	15...26	430	-	3	Autotest	23
672754.002.04	L 310, B 310, H 2, HEL 42	830, 840	1650...3050	15...26	430	-	3	MultiDigit	23
672754.002.07	L 310, B 310, H 2, HEL 42	830, 840	1650...3050	15...26	430	-	3	DALI-Sibe	23
672755.002	L 310, B 310, H 2, HEL 42	830, 840	1650...3050	15...26	180	-	8	Autotest	23
672755.002.04	L 310, B 310, H 2, HEL 42	830, 840	1650...3050	15...26	180	-	8	MultiDigit	23
672755.002.07	L 310, B 310, H 2, HEL 42	830, 840	1650...3050	15...26	180	-	8	DALI-Sibe	23

Luminaires for central battery system									
Installation dimensions LA 217 x BA 217 mm, HE 60 mm									
672744.002	L 230, B 230, H 2, HEL 36	830, 840	1350	10	680	5,9		Power circuit	24
672744.002.89	L 230, B 230, H 2, HEL 36	830, 840	1350	11	680	6,9		AC-Control	24
672745.002	L 230, B 230, H 2, HEL 36	830, 840	2100	15	840	6,9		Power circuit	24
672745.002.89	L 230, B 230, H 2, HEL 36	830, 840	2100	16	840	7,9		AC-Control	24
Installation dimensions LA 297 x BA 297 mm, HE 60 mm									
672752.002	L 310, B 310, H 2, HEL 42	830, 840	2150	16	860	6,4		Power circuit	24
672752.002.89	L 310, B 310, H 2, HEL 42	830, 840	2150	17	860	7,4		AC-Control	24
672753.002	L 310, B 310, H 2, HEL 42	830, 840	3050	23	920	7,2		Power circuit	24
672753.002.89	L 310, B 310, H 2, HEL 42	830, 840	3050	24	920	8,2		AC-Control	24

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



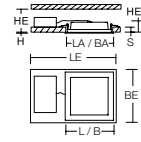
672746.002					
Luminous flux emergency: 430 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,8	4,4	10,8	4,4	
3,0	11,7	4,7	11,7	4,7	
3,5	12,4	4,9	12,4	4,9	
4,0	13,0	5,1	13,0	5,1	

672747.002					
Luminous flux emergency: 180 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,3	3,2	8,3	3,2	
3,0	8,8	3,4	8,8	3,4	
3,5	9,2	3,4	9,2	3,4	
4,0	9,5	3,4	9,5	3,4	

672744.002					
Luminous flux emergency: 680 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	12,3	5,0	12,3	5,0	
3,0	13,3	5,4	13,3	5,4	
3,5	14,2	5,7	14,2	5,7	
4,0	15,0	6,0	15,0	6,0	

Recessed downlights | TOLEDO FLAT+ square - Diffuser microprismatic

Type of protection: IP 20, IP54 on room side
 Protection class: II
 Ceiling thickness S: 1-20 mm
 Impact resistance: IK03



Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic (PMMA) 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.

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


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

MultiLumen: Luminous flux variable in 4 steps. Factory setting is step 2.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Ⓢ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Installation dimensions LA 217 x BA 217 mm, HE 90 mm									
672750.002	L 230, B 230, H 2, HEL 37	830, 840	1000...1850	11...18	370	-	3	Autotest	23
672750.002.04	L 230, B 230, H 2, HEL 36	830, 840	1000...1850	11...18	370	-	3	MultiDigit	23
672750.002.07	L 230, B 230, H 2, HEL 36	830, 840	1000...1850	11...18	370	-	3	DALI-Sibe	23
672751.002	L 230, B 230, H 2, HEL 37	830, 840	1000...1850	11...18	160	-	8	Autotest	23
672751.002.04	L 230, B 230, H 2, HEL 36	830, 840	1000...1850	11...18	160	-	8	MultiDigit	23
672751.002.07	L 230, B 230, H 2, HEL 36	830, 840	1000...1850	11...18	160	-	8	DALI-Sibe	23
Installation dimensions LA 297 x BA 297 mm, HE 60 mm									
672758.002	L 310, B 310, H 2, HEL 42	830, 840	1500...2800	15...26	370	-	3	Autotest	23
672758.002.04	L 310, B 310, H 2, HEL 42	830, 840	1500...2800	15...26	370	-	3	MultiDigit	23
672758.002.07	L 310, B 310, H 2, HEL 42	830, 840	1500...2800	15...26	370	-	3	DALI-Sibe	23
672759.002	L 310, B 310, H 2, HEL 42	830, 840	1500...2800	15...26	160	-	8	Autotest	23
672759.002.04	L 310, B 310, H 2, HEL 42	830, 840	1500...2800	15...26	160	-	8	MultiDigit	23
672759.002.07	L 310, B 310, H 2, HEL 42	830, 840	1500...2800	15...26	160	-	8	DALI-Sibe	23

Luminaires for central battery system

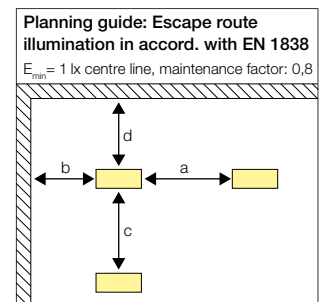
Installation dimensions LA 217 x BA 217 mm, HE 60 mm									
672748.002	L 230, B 230, H 2, HEL 36	830, 840	1200	10	600	5,9		Power circuit	24
672748.002.89	L 230, B 230, H 2, HEL 36	830, 840	1200	11	600	6,9		AC-Control	24
672749.002	L 230, B 230, H 2, HEL 36	830, 840	1850	15	740	6,9		Power circuit	24
672749.002.89	L 230, B 230, H 2, HEL 36	830, 840	1850	16	740	7,9		AC-Control	24
Installation dimensions LA 297 x BA 297 mm, HE 60 mm									
672756.002	L 310, B 310, H 2, HEL 42	830, 840	1950	16	780	6,4		Power circuit	24
672756.002.89	L 310, B 310, H 2, HEL 42	830, 840	1950	17	780	7,4		AC-Control	24
672757.002	L 310, B 310, H 2, HEL 42	830, 840	2800	23	840	7,2		Power circuit	24
672757.002.89	L 310, B 310, H 2, HEL 42	830, 840	2800	24	840	8,2		AC-Control	24

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

672750.002					
Luminous flux emergency: 370 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,7	3,6	8,7	3,6	
3,0	9,5	3,9	9,5	3,9	
3,5	10,2	4,2	10,2	4,2	
4,0	10,9	4,5	10,9	4,5	

672751.002					
Luminous flux emergency: 160 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	7,0	2,9	7,0	2,9	
3,0	7,6	3,1	7,6	3,1	
3,5	8,2	3,3	8,2	3,3	
4,0	8,7	3,5	8,7	3,5	

672748.002					
Luminous flux emergency: 600 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,8	4,1	9,8	4,1	
3,0	10,7	4,5	10,7	4,5	
3,5	11,6	4,8	11,6	4,8	
4,0	12,4	5,1	12,4	5,1	





TOLEDO FLAT+

Surface mounted downlights

ARCHITECTURE

- **Advantageous:** Design continuity to the general lighting product range.
- **Design-oriented:** Minimalist design. Very low installation height.
- **Applicable:** Corridors, side rooms, hotels, restaurants, conference rooms.

LIGHTING DESIGN

- **Anti-glare:** Versions suitable for office areas and computer workstations.
- **Homogenous:** Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic.
- **MultiLumen:** 4-step adjustable luminous flux. Only for self-contained luminaire.
- **MultiColour:** Colour temperature individually adjustable either 3000 K or 4000 K.
- **Ideal:** Several monitoring options possible.

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Easy installation with Plug & Play plug connection.
- **Variable:** Suitable for ceiling and wall mounting.



TOLEDO FLAT+

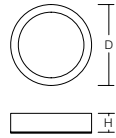


Surface mounted downlights | TOLEDO FLAT+ round - Diffuser opal

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

Housing: die-cast aluminium. Diffuser made of non-yellowing plastic (PMMA), opal. LED backlight technology for homogeneous illumination of the entire light-emitting surface.

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



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

MultiLumen: Luminous flux variable in 4 steps. Factory setting is step 2.

Luminaires for central battery system

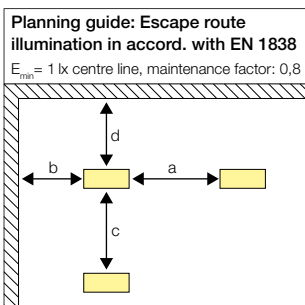
Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency Ⓢ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diameter D 270 mm									
672766.002	D 270, H 70	830, 840	1650...3150	15...25	430	-	3	Autotest	23
672766.002.04	D 270, H 70	830, 840	1650...3150	15...25	430	-	3	MultiDigit	23
672766.002.07	D 270, H 70	830, 840	1650...3150	15...25	430	-	3	DALI-Sibe	23
672767.002	D 270, H 70	830, 840	1650...3150	15...25	180	-	8	Autotest	23
672767.002.04	D 270, H 70	830, 840	1650...3150	15...25	180	-	8	MultiDigit	23
672767.002.07	D 270, H 70	830, 840	1650...3150	15...25	180	-	8	DALI-Sibe	23
Diameter D 390 mm									
672774.002	D 390, H 70	830, 840	1550...2950	15...25	430	-	3	Autotest	23
672774.002.04	D 390, H 70	830, 840	1550...2950	15...25	430	-	3	MultiDigit	23
672774.002.07	D 390, H 70	830, 840	1550...2950	15...25	430	-	3	DALI-Sibe	23
672775.002	D 390, H 70	830, 840	1550...2950	15...25	180	-	8	Autotest	23
672775.002.04	D 390, H 70	830, 840	1550...2950	15...25	180	-	8	MultiDigit	23
672775.002.07	D 390, H 70	830, 840	1550...2950	15...25	180	-	8	DALI-Sibe	23
Diameter D 470 mm									
672782.002	D 470, H 70	830, 840	3050...4450	25...36	430	-	3	Autotest	23
672782.002.04	D 470, H 70	830, 840	3050...4450	25...36	430	-	3	MultiDigit	23
672782.002.07	D 470, H 70	830, 840	3050...4450	25...36	430	-	3	DALI-Sibe	23
672783.002	D 470, H 70	830, 840	3050...4450	25...36	180	-	8	Autotest	23
672783.002.04	D 470, H 70	830, 840	3050...4450	25...36	180	-	8	MultiDigit	23
672783.002.07	D 470, H 70	830, 840	3050...4450	25...36	180	-	8	DALI-Sibe	23

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency Ⓢ [h]	Monitoring	Price Category
Luminaires for central battery system									
Diameter D 270 mm									
672764.002	D 270, H 70	830, 840	2200	15	880	6,3		Power circuit	24
672764.002.89	D 270, H 70	830, 840	2200	16	880	7,3		AC-Control	24
672765.002	D 270, H 70	830, 840	3150	22	950	7		Power circuit	24
672765.002.89	D 270, H 70	830, 840	3150	23	950	8		AC-Control	24
Diameter D 390 mm									
672772.002	D 390, H 70	830, 840	2050	15	820	6,5		Power circuit	24
672772.002.89	D 390, H 70	830, 840	2050	16	820	7,5		AC-Control	24
672773.002	D 390, H 70	830, 840	2950	22	890	7,3		Power circuit	24
672773.002.89	D 390, H 70	830, 840	2950	23	890	8,3		AC-Control	24
Diameter D 470 mm									
672780.002	D 470, H 70	830, 840	3550	26	1050	7,2		Power circuit	24
672780.002.89	D 470, H 70	830, 840	3550	27	1050	8,2		AC-Control	24
672781.002	D 470, H 70	830, 840	4450	33	890	7		Power circuit	24
672781.002.89	D 470, H 70	830, 840	4450	34	890	8		AC-Control	24

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



672766.002					
Luminous flux emergency: 430 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,8	4,4	10,8	4,4	
3,0	11,7	4,7	11,7	4,7	
3,5	12,4	4,9	12,4	4,9	
4,0	13,0	5,1	13,0	5,1	

672767.002					
Luminous flux emergency: 180 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,3	3,2	8,3	3,2	
3,0	8,8	3,4	8,8	3,4	
3,5	9,2	3,4	9,2	3,4	
4,0	9,5	3,4	9,5	3,4	

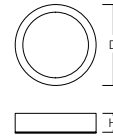
672764.002					
Luminous flux emergency: 880 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	13,2	5,4	13,2	5,4	
3,0	14,3	5,8	14,3	5,8	
3,5	15,3	6,2	15,3	6,2	
4,0	16,2	6,5	16,2	6,5	

Surface mounted downlights | TOLEDO FLAT+ round - Diffuser microprismatic

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

Housing: die-cast aluminium. Diffuser made of non-yellowing plastic (PMMA) microprismatic.
 LED backlight technology for homogeneous illumination of the entire light-emitting surface.

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


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

MultiLumen: Luminous flux variable in 4 steps. Factory setting is step 2.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency τ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diameter D 270 mm									
672770.002	D 270, H 70	830, 840	1450...2800	15...25	370	-	3	Autotest	23
672770.002.04	D 270, H 70	830, 840	1450...2800	15...25	370	-	3	MultiDigit	23
672770.002.07	D 270, H 70	830, 840	1450...2800	15...25	370	-	3	DALI-Sibe	23
672771.002	D 270, H 70	830, 840	1450...2800	15...25	160	-	8	Autotest	23
672771.002.04	D 270, H 70	830, 840	1450...2800	15...25	160	-	8	MultiDigit	23
672771.002.07	D 270, H 70	830, 840	1450...2800	15...25	160	-	8	DALI-Sibe	23
Diameter D 390 mm									
672778.002	D 390, H 70	830, 840	1500...2550	15...25	370	-	3	Autotest	23
672778.002.04	D 390, H 70	830, 840	1500...2550	15...25	370	-	3	MultiDigit	23
672778.002.07	D 390, H 70	830, 840	1500...2550	15...25	370	-	3	DALI-Sibe	23
672779.002	D 390, H 70	830, 840	1500...2550	15...25	160	-	8	Autotest	23
672779.002.04	D 390, H 70	830, 840	1500...2550	15...25	160	-	8	MultiDigit	23
672779.002.07	D 390, H 70	830, 840	1500...2550	15...25	160	-	8	DALI-Sibe	23
Diameter D 470 mm									
672786.002	D 470, H 70	830, 840	2600...3800	25...36	370	-	3	Autotest	23
672786.002.04	D 470, H 70	830, 840	2600...3800	25...36	370	-	3	MultiDigit	23
672786.002.07	D 470, H 70	830, 840	2600...3800	25...36	370	-	3	DALI-Sibe	23
672787.002	D 470, H 70	830, 840	2600...3800	25...36	160	-	8	Autotest	23
672787.002.04	D 470, H 70	830, 840	2600...3800	25...36	160	-	8	MultiDigit	23
672787.002.07	D 470, H 70	830, 840	2600...3800	25...36	160	-	8	DALI-Sibe	23

Luminaires for central battery system

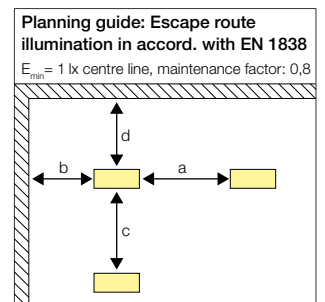
Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency τ [h]	Monitoring	Price Category
Diameter D 270 mm									
672768.002	D 270, H 70	830, 840	1950	15	780	6,3		Power circuit	24
672768.002.89	D 270, H 70	830, 840	1950	16	780	7,3		AC-Control	24
672769.002	D 270, H 70	830, 840	2800	22	840	7		Power circuit	24
672769.002.89	D 270, H 70	830, 840	2800	23	840	8		AC-Control	24
Diameter D 390 mm									
672776.002	D 390, H 70	830, 840	1800	15	720	6,5		Power circuit	24
672776.002.89	D 390, H 70	830, 840	1800	16	720	7,5		AC-Control	24
672777.002	D 390, H 70	830, 840	2550	22	770	7,3		Power circuit	24
672777.002.89	D 390, H 70	830, 840	2550	23	770	8,3		AC-Control	24
Diameter D 470 mm									
672784.002	D 470, H 70	830, 840	3050	26	920	7,2		Power circuit	24
672784.002.89	D 470, H 70	830, 840	3050	27	920	8,2		AC-Control	24
672785.002	D 470, H 70	830, 840	3800	33	760	7		Power circuit	24
672785.002.89	D 470, H 70	830, 840	3800	34	760	8		AC-Control	24

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

672770.002					
Luminous flux emergency: 370 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,6	3,6	8,6	3,6	
3,0	9,4	3,9	9,4	3,9	
3,5	10,1	4,2	10,1	4,2	
4,0	10,8	4,5	10,8	4,5	

672771.002					
Luminous flux emergency: 160 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	6,9	2,8	6,9	2,8	
3,0	7,5	3,1	7,5	3,1	
3,5	8,1	3,3	8,1	3,3	
4,0	8,6	3,5	8,6	3,5	

672768.002					
Luminous flux emergency: 780 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,5	4,3	10,5	4,3	
3,0	11,4	4,7	11,4	4,7	
3,5	12,3	5,1	12,3	5,1	
4,0	13,1	5,4	13,1	5,4	



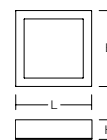


Surface mounted downlights | TOLEDO FLAT+ square - Diffuser opal

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

Housing: die-cast aluminium. Diffuser made of non-yellowing plastic (PMMA), opal. LED backlight technology for homogeneous illumination of the entire light-emitting surface.

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



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

MultiLumen: Luminous flux variable in 4 steps. Factory setting is step 2.

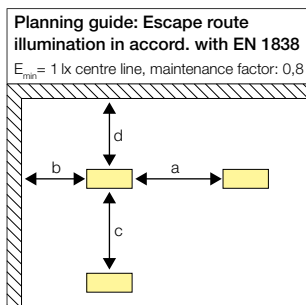
Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency Ⓢ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Length L 230 mm x Width B 230 mm									
672790.002	L 230, B 230, H 70	830, 840	1050...2100	11...18	430	-	3	Autotest	23
672790.002.04	L 230, B 230, H 70	830, 840	1050...2100	11...18	430	-	3	MultiDigit	23
672790.002.07	L 230, B 230, H 70	830, 840	1050...2100	11...18	430	-	3	DALI-Sibe	23
672791.002	L 230, B 230, H 70	830, 840	1050...2100	11...18	180	-	8	Autotest	23
672791.002.04	L 230, B 230, H 70	830, 840	1050...2100	11...18	180	-	8	MultiDigit	23
672791.002.07	L 230, B 230, H 70	830, 840	1050...2100	11...18	180	-	8	DALI-Sibe	23
Length L 310 mm x Width B 310 mm									
672798.002	L 310, B 310, H 70	830, 840	1650...3050	15...26	430	-	3	Autotest	23
672798.002.04	L 310, B 310, H 70	830, 840	1650...3050	15...26	430	-	3	MultiDigit	23
672798.002.07	L 310, B 310, H 70	830, 840	1650...3050	15...26	430	-	3	DALI-Sibe	23
672799.002	L 310, B 310, H 70	830, 840	1650...3050	15...26	180	-	8	Autotest	23
672799.002.04	L 310, B 310, H 70	830, 840	1650...3050	15...26	180	-	8	MultiDigit	23
672799.002.07	L 310, B 310, H 70	830, 840	1650...3050	15...26	180	-	8	DALI-Sibe	23
Luminaires for central battery system									
Length L 230 mm x Width B 230 mm									
672788.002	L 230, B 230, H 70	830, 840	1350	10	680	5,9		Power circuit	24
672788.002.89	L 230, B 230, H 70	830, 840	1350	11	680	6,9		AC-Control	24
672789.002	L 230, B 230, H 70	830, 840	2100	15	840	6,9		Power circuit	24
672789.002.89	L 230, B 230, H 70	830, 840	2100	16	840	7,9		AC-Control	24
Length L 310 mm x Width B 310 mm									
672796.002	L 310, B 310, H 70	830, 840	2150	16	860	6,4		Power circuit	24
672796.002.89	L 310, B 310, H 70	830, 840	2150	17	860	7,4		AC-Control	24
672797.002	L 310, B 310, H 70	830, 840	3050	23	920	7,2		Power circuit	24
672797.002.89	L 310, B 310, H 70	830, 840	3050	24	920	8,2		AC-Control	24

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



672790.002					
Luminous flux emergency: 430 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,8	4,4	10,8	4,4	
3,0	11,7	4,7	11,7	4,7	
3,5	12,4	4,9	12,4	4,9	
4,0	13,0	5,1	13,0	5,1	

672791.002					
Luminous flux emergency: 180 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,3	3,2	8,3	3,2	
3,0	8,8	3,4	8,8	3,4	
3,5	9,2	3,4	9,2	3,4	
4,0	9,5	3,4	9,5	3,4	

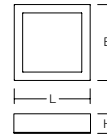
672788.002					
Luminous flux emergency: 680 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	12,3	5,0	12,3	5,0	
3,0	13,3	5,4	13,3	5,4	
3,5	14,2	5,7	14,2	5,7	
4,0	15,0	6,0	15,0	6,0	

Surface mounted downlights | TOLEDO FLAT+ square - Diffuser microprismatic

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

Housing: die-cast aluminium. Diffuser made of non-yellowing plastic (PMMA) microprismatic.
 LED backlight technology for homogeneous illumination of the entire light-emitting surface.

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


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

MultiLumen: Luminous flux variable in 4 steps. Factory setting is step 2.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency \odot [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Length L 230 mm x Width B 230 mm									
672794.002	L 230, B 230, H 70	830, 840	1000...1850	11...18	370	-	3	Autotest	23
672794.002.04	L 230, B 230, H 70	830, 840	1000...1850	11...18	370	-	3	MultiDigit	23
672794.002.07	L 230, B 230, H 70	830, 840	1000...1850	11...18	370	-	3	DALI-Sibe	23
672795.002	L 230, B 230, H 70	830, 840	1000...1850	11...18	160	-	8	Autotest	23
672795.002.04	L 230, B 230, H 70	830, 840	1000...1850	11...18	160	-	8	MultiDigit	23
672795.002.07	L 230, B 230, H 70	830, 840	1000...1850	11...18	160	-	8	DALI-Sibe	23
Length L 310 mm x Width B 310 mm									
672802.002	L 310, B 310, H 70	830, 840	1500...2800	15...26	370	-	3	Autotest	23
672802.002.04	L 310, B 310, H 70	830, 840	1500...2800	15...26	370	-	3	MultiDigit	23
672802.002.07	L 310, B 310, H 70	830, 840	1500...2800	15...26	370	-	3	DALI-Sibe	23
672803.002	L 310, B 310, H 70	830, 840	1500...2800	15...26	160	-	8	Autotest	23
672803.002.04	L 310, B 310, H 70	830, 840	1500...2800	15...26	160	-	8	MultiDigit	23
672803.002.07	L 310, B 310, H 70	830, 840	1500...2800	15...26	160	-	8	DALI-Sibe	23

Luminaires for central battery system

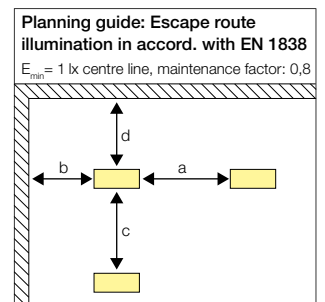
Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency \odot [h]	Monitoring	Price Category
Length L 230 mm x Width B 230 mm									
672792.002	L 230, B 230, H 70	830, 840	1200	10	600	5,9		Power circuit	24
672792.002.89	L 230, B 230, H 70	830, 840	1200	11	600	6,9		AC-Control	24
672793.002	L 230, B 230, H 70	830, 840	1850	15	740	6,9		Power circuit	24
672793.002.89	L 230, B 230, H 70	830, 840	1850	16	740	7,9		AC-Control	24
Length L 310 mm x Width B 310 mm									
672800.002	L 310, B 310, H 70	830, 840	1950	16	780	6,4		Power circuit	24
672800.002.89	L 310, B 310, H 70	830, 840	1950	17	780	7,4		AC-Control	24
672801.002	L 310, B 310, H 70	830, 840	2800	23	840	7,2		Power circuit	24
672801.002.89	L 310, B 310, H 70	830, 840	2800	24	840	8,2		AC-Control	24

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

672794.002					
Luminous flux emergency: 370 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,7	3,6	8,7	3,6	
3,0	9,5	3,9	9,5	3,9	
3,5	10,2	4,2	10,2	4,2	
4,0	10,9	4,5	10,9	4,5	

672795.002					
Luminous flux emergency: 160 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	7,0	2,9	7,0	2,9	
3,0	7,6	3,1	7,6	3,1	
3,5	8,2	3,3	8,2	3,3	
4,0	8,7	3,5	8,7	3,5	

672792.002					
Luminous flux emergency: 600 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,8	4,1	9,8	4,1	
3,0	10,7	4,5	10,7	4,5	
3,5	11,6	4,8	11,6	4,8	
4,0	12,4	5,1	12,4	5,1	





TOLEDO FLAT

Recessed downlights

ARCHITECTURE

- **Advantageous:** Design continuity to the general lighting product range.
- **Reduced:** Ultra thin recessed downlight.
- **Protected:** High protection type IP 54 on the room side.

LIGHTING DESIGN

- **Homogenous:** Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic.
- **Plannable:** Wide luminaire spacing for escape route illumination.
- **Powerful:** Also suitable for large ceiling heights.
- **Ideal:** Several monitoring options possible.

INSTALLATION

- **Easy installation:** Easy to install thanks to tool-free spring fastening system.
- **Straightforward:** Easy installation with Plug & Play plug connection.



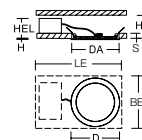
TOLEDO FLAT



Recessed downlights | TOLEDO FLAT round - Diffuser opal

Type of protection: IP 20, IP54 on room side
 Protection class: I, II
 Ceiling thickness S: 1-20 mm
 Impact resistance: IK03

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA) opal matt. Ceiling installation with spring system. Mounting depth depends on ceiling strength. Including separate LED converter with connecting cable 250 mm.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Installation dimensions DA 128 mm, HE 150 mm									
672220.002	D 148, H 2, HEL 60-80	830	470	5	310	-	3	Autotest	23
672220.002.04	D 148, H 2, HEL 60-80	830	470	5	310	-	3	MultiDigit	23
672220.002.07	D 148, H 2, HEL 60-80	830	470	5	310	-	3	DALI-Sibe	23
672221.002	D 148, H 2, HEL 60-80	830	470	5	140	-	8	Autotest	23
672221.002.04	D 148, H 2, HEL 60-80	830	470	5	140	-	8	MultiDigit	23
672221.002.07	D 148, H 2, HEL 60-80	830	470	5	140	-	8	DALI-Sibe	23
672220.002.1	D 148, H 2, HEL 60-80	840	530	5	330	-	3	Autotest	23
672220.002.1.04	D 148, H 2, HEL 60-80	840	530	5	330	-	3	MultiDigit	23
672220.002.1.07	D 148, H 2, HEL 60-80	840	530	5	330	-	3	DALI-Sibe	23
672221.002.1	D 148, H 2, HEL 60-80	840	530	5	150	-	8	Autotest	23
672221.002.1.04	D 148, H 2, HEL 60-80	840	530	5	150	-	8	MultiDigit	23
672221.002.1.07	D 148, H 2, HEL 60-80	840	530	5	150	-	8	DALI-Sibe	23
Installation dimensions DA 170 mm, HE 120 mm									
672222.002	D 190, H 2, HEL 60-80	830	780	7,7	370	-	3	Autotest	23
672222.002.04	D 190, H 2, HEL 60-80	830	780	7,7	370	-	3	MultiDigit	23
672222.002.07	D 190, H 2, HEL 60-80	830	780	7,7	370	-	3	DALI-Sibe	23
672223.002	D 190, H 2, HEL 60-80	830	780	7,7	160	-	8	Autotest	23
672223.002.04	D 190, H 2, HEL 60-80	830	780	7,7	160	-	8	MultiDigit	23
672223.002.07	D 190, H 2, HEL 60-80	830	780	7,7	160	-	8	DALI-Sibe	23
672222.002.1	D 190, H 2, HEL 60-80	840	840	7,7	350	-	3	Autotest	23
672222.002.1.04	D 190, H 2, HEL 60-80	840	840	7,7	350	-	3	MultiDigit	23
672222.002.1.07	D 190, H 2, HEL 60-80	840	840	7,7	350	-	3	DALI-Sibe	23
672223.002.1	D 190, H 2, HEL 60-80	840	840	7,7	160	-	8	Autotest	23
672223.002.1.04	D 190, H 2, HEL 60-80	840	840	7,7	160	-	8	MultiDigit	23
672223.002.1.07	D 190, H 2, HEL 60-80	840	840	7,7	160	-	8	DALI-Sibe	23
Installation dimensions DA 234 mm, HE 100 mm									
672224.002	D 255, H 3, HEL 60-80	830	1650	17	450	-	3	Autotest	23
672224.002.04	D 255, H 3, HEL 60-80	830	1650	17	450	-	3	MultiDigit	23
672224.002.07	D 255, H 3, HEL 60-80	830	1650	17	450	-	3	DALI-Sibe	23
672225.002	D 255, H 3, HEL 60-80	830	1650	17	180	-	8	Autotest	23
672225.002.04	D 255, H 3, HEL 60-80	830	1650	17	180	-	8	MultiDigit	23
672225.002.07	D 255, H 3, HEL 60-80	830	1650	17	180	-	8	DALI-Sibe	23
672224.002.1	D 255, H 3, HEL 60-80	840	1800	17	460	-	3	Autotest	23
672224.002.1.04	D 255, H 3, HEL 60-80	840	1800	17	460	-	3	MultiDigit	23
672224.002.1.07	D 255, H 3, HEL 60-80	840	1800	17	460	-	3	DALI-Sibe	23
672225.002.1	D 255, H 3, HEL 60-80	840	1800	17	180	-	8	Autotest	23
672225.002.1.04	D 255, H 3, HEL 60-80	840	1800	17	180	-	8	MultiDigit	23
672225.002.1.07	D 255, H 3, HEL 60-80	840	1800	17	180	-	8	DALI-Sibe	23
Installation dimensions DA 288 mm, HE 90 mm									
672226.002	D 317, H 3, HEL 60-80	830	2150	22	430	-	3	Autotest	23
672226.002.04	D 317, H 3, HEL 60-80	830	2150	22	430	-	3	MultiDigit	23
672226.002.07	D 317, H 3, HEL 60-80	830	2150	22	430	-	3	DALI-Sibe	23
672227.002	D 317, H 3, HEL 60-80	830	2150	22	180	-	8	Autotest	23
672227.002.04	D 317, H 3, HEL 60-80	830	2150	22	180	-	8	MultiDigit	23
672227.002.07	D 317, H 3, HEL 60-80	830	2150	22	180	-	8	DALI-Sibe	23
672226.002.1	D 317, H 3, HEL 60-80	840	2250	22	440	-	3	Autotest	23
672226.002.1.04	D 317, H 3, HEL 60-80	840	2250	22	440	-	3	MultiDigit	23
672226.002.1.07	D 317, H 3, HEL 60-80	840	2250	22	440	-	3	DALI-Sibe	23
672227.002.1	D 317, H 3, HEL 60-80	840	2250	22	180	-	8	Autotest	23
672227.002.1.04	D 317, H 3, HEL 60-80	840	2250	22	180	-	8	MultiDigit	23
672227.002.1.07	D 317, H 3, HEL 60-80	840	2250	22	180	-	8	DALI-Sibe	23

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Installation dimensions DA 470 mm, HE 70 mm									
672384.002	D 495, H 6, HEL 60-80	830	3550	30	430	-	3	Autotest	23
672384.002.04	D 495, H 6, HEL 60-80	830	3550	30	430	-	3	MultiDigit	23
672384.002.07	D 495, H 6, HEL 60-80	830	3550	30	430	-	3	DALI-Sibe	23
672385.002	D 495, H 6, HEL 60-80	830	3550	30	170	-	8	Autotest	23
672385.002.04	D 495, H 6, HEL 60-80	830	3550	30	170	-	8	MultiDigit	23
672385.002.07	D 495, H 6, HEL 60-80	830	3550	30	170	-	8	DALI-Sibe	23
672384.002.1	D 495, H 6, HEL 60-80	840	3600	30	440	-	3	Autotest	23
672384.002.1.04	D 495, H 6, HEL 60-80	840	3600	30	440	-	3	MultiDigit	23
672384.002.1.07	D 495, H 6, HEL 60-80	840	3600	30	440	-	3	DALI-Sibe	23
672385.002.1	D 495, H 6, HEL 60-80	840	3600	30	170	-	8	Autotest	23
672385.002.1.04	D 495, H 6, HEL 60-80	840	3600	30	170	-	8	MultiDigit	23
672385.002.1.07	D 495, H 6, HEL 60-80	840	3600	30	170	-	8	DALI-Sibe	23

Luminaires for central battery system
Installation dimensions DA 128 mm, HE 35-100 mm

672228.002	D 148, H 2, HEL 31-51	830	470	5	470	5		Power circuit	24
672228.002.89	D 148, H 2, HEL 37-57	830	470	6	470	6		AC-Control	24
672228.002.1	D 148, H 2, HEL 31-51	840	530	5	530	5		Power circuit	24
672228.002.1.89	D 148, H 2, HEL 37-57	840	530	6	530	6		AC-Control	24

Installation dimensions DA 170 mm, HE 35-60 mm

672229.002	D 190, H 2, HEL 31-51	830	780	7,7	780	7,7		Power circuit	24
672229.002.89	D 190, H 2, HEL 37-57	830	780	8,7	780	8,7		AC-Control	24
672229.002.1	D 190, H 2, HEL 31-51	840	840	7,7	840	7,7		Power circuit	24
672229.002.1.89	D 190, H 2, HEL 37-57	840	840	8,7	840	8,7		AC-Control	24

Installation dimensions DA 234 mm, HE 35-60 mm

672230.002	D 255, H 3, HEL 31-51	830	1650	17	1650	17		Power circuit	24
672230.002.89	D 255, H 3, HEL 37-57	830	1650	18	1650	18		AC-Control	24
672230.002.1	D 255, H 3, HEL 31-51	840	1800	17	1800	17		Power circuit	24
672230.002.1.89	D 255, H 3, HEL 37-57	840	1800	18	1800	18		AC-Control	24

Installation dimensions DA 288 mm, HE 40-60 mm

672231.002	D 317, H 3, HEL 31-51	830	2150	22	2150	22		Power circuit	24
672231.002.89	D 317, H 3, HEL 37-57	830	2150	23	2150	23		AC-Control	24
672231.002.1	D 317, H 3, HEL 31-51	840	2250	22	2250	22		Power circuit	24
672231.002.1.89	D 317, H 3, HEL 37-57	840	2250	23	2250	23		AC-Control	24

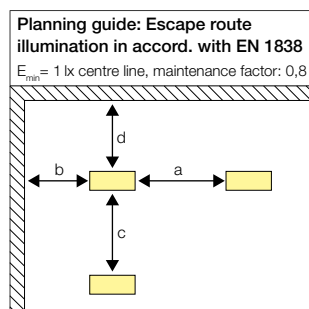
Installation dimensions DA 470 mm, HE 40-50 mm

672380.002	D 495, H 6, HEL 31-51	830	3550	30	3550	30		Power circuit	24
672380.002.89	D 495, H 6, HEL 37-57	830	3550	31	3550	31		AC-Control	24
672380.002.1	D 495, H 6, HEL 31-51	840	3600	30	3600	30		Power circuit	24
672380.002.1.89	D 495, H 6, HEL 37-57	840	3600	31	3600	31		AC-Control	24

Insert frames for modular grid ceilings

982182.002	L 595, B 595, H 36	Insert frames for modular grid ceilings 600, for downlight D 495							21
982183.002	L 622, B 622, H 36	Insert frames for modular grid ceilings 625, for downlight D 495							21





672220.002					
Luminous flux emergency: 310 lm Following values are indicated in m					
h	a	b	c	d	
2,5	9,7	3,9	9,7	3,9	
3,0	10,4	4,1	10,4	4,1	
3,5	11,1	4,3	11,1	4,3	
4,0	11,6	4,4	11,6	4,4	

672220.002.1					
Luminous flux emergency: 330 lm Following values are indicated in m					
h	a	b	c	d	
2,5	9,9	4,0	9,9	4,0	
3,0	10,6	4,2	10,6	4,2	
3,5	11,3	4,4	11,3	4,4	
4,0	11,8	4,5	11,8	4,5	

672221.002					
Luminous flux emergency: 140 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,6	2,9	7,6	2,9	
3,0	8,0	3,0	8,0	3,0	
3,5	8,3	3,0	8,3	3,0	
4,0	8,5	2,9	8,5	2,9	

672221.002.1					
Luminous flux emergency: 150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,7	3,0	7,7	3,0	
3,0	8,2	3,1	8,2	3,1	
3,5	8,5	3,1	8,5	3,1	
4,0	8,8	3,1	8,8	3,1	

672222.002					
Luminous flux emergency: 370 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,3	4,2	10,3	4,2	
3,0	11,1	4,4	11,1	4,4	
3,5	11,8	4,6	11,8	4,6	
4,0	12,4	4,8	12,4	4,8	

672222.002.1					
Luminous flux emergency: 350 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,1	4,1	10,1	4,1	
3,0	10,9	4,3	10,9	4,3	
3,5	11,5	4,5	11,5	4,5	
4,0	12,1	4,7	12,1	4,7	

672223.002					
Luminous flux emergency: 160 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,0	3,1	8,0	3,1	
3,0	8,5	3,2	8,5	3,2	
3,5	8,8	3,2	8,8	3,2	
4,0	9,0	3,2	9,0	3,2	

672223.002.1					
Luminous flux emergency: 160 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,9	3,1	7,9	3,1	
3,0	8,4	3,2	8,4	3,2	
3,5	8,8	3,2	8,8	3,2	
4,0	9,0	3,2	9,0	3,2	

672224.002					
Luminous flux emergency: 450 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,8	4,4	10,8	4,4	
3,0	11,7	4,7	11,7	4,7	
3,5	12,5	4,9	12,5	4,9	
4,0	13,1	5,1	13,1	5,1	

672224.002.1					
Luminous flux emergency: 460 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,9	4,4	10,9	4,4	
3,0	11,8	4,7	11,8	4,7	
3,5	12,5	5,0	12,5	5,0	
4,0	13,2	5,2	13,2	5,2	

672225.002					
Luminous flux emergency: 180 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,2	3,2	8,2	3,2	
3,0	8,7	3,3	8,7	3,3	
3,5	9,1	3,4	9,1	3,4	
4,0	9,4	3,4	9,4	3,4	

672226.002					
Luminous flux emergency: 430 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,6	4,3	10,6	4,3	
3,0	11,5	4,6	11,5	4,6	
3,5	12,2	4,8	12,2	4,8	
4,0	12,9	5,0	12,9	5,0	

672384.002					
Luminous flux emergency: 430 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,7	4,3	10,7	4,3	
3,0	11,6	4,6	11,6	4,6	
3,5	12,3	4,9	12,3	4,9	
4,0	13,0	5,1	13,0	5,1	

672385.002					
Luminous flux emergency: 170 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,1	3,2	8,1	3,2	
3,0	8,6	3,3	8,6	3,3	
3,5	9,0	3,3	9,0	3,3	
4,0	9,2	3,3	9,2	3,3	

672228.002					
Luminous flux emergency: 470 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,4	4,2	10,4	4,2	
3,0	11,3	4,5	11,3	4,5	
3,5	11,9	4,7	11,9	4,7	
4,0	12,5	4,9	12,5	4,9	

672228.002.1					
Luminous flux emergency: 530 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,5	4,2	10,5	4,2	
3,0	11,3	4,5	11,3	4,5	
3,5	12,0	4,7	12,0	4,7	
4,0	12,6	4,9	12,6	4,9	

672229.002					
Luminous flux emergency: 780 lm Following values are indicated in m					
h	a	b	c	d	
2,5	12,5	5,1	12,5	5,1	
3,0	13,6	5,5	13,6	5,5	
3,5	14,5	5,9	14,5	5,9	
4,0	15,3	6,1	15,3	6,1	

672229.002.1					
Luminous flux emergency: 840 lm Following values are indicated in m					
h	a	b	c	d	
2,5	12,9	5,3	12,9	5,3	
3,0	14,1	5,7	14,1	5,7	
3,5	15,0	6,1	15,0	6,1	
4,0	15,9	6,4	15,9	6,4	

672230.002					
Luminous flux emergency: 1650 lm Following values are indicated in m					
h	a	b	c	d	
2,5	15,4	6,4	15,4	6,4	
3,0	16,8	7,0	16,8	7,0	
3,5	18,1	7,4	18,1	7,4	
4,0	19,2	7,9	19,2	7,9	

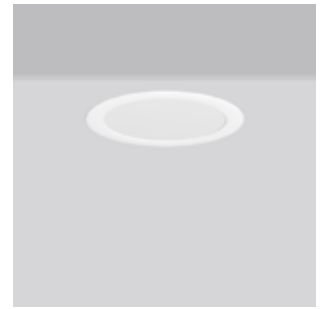
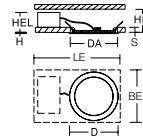
672231.002					
Luminous flux emergency: 2150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	16,4	6,8	16,4	6,8	
3,0	17,9	7,4	17,9	7,4	
3,5	19,2	8,0	19,2	8,0	
4,0	20,5	8,4	20,5	8,4	

672380.002					
Luminous flux emergency: 3550 lm Following values are indicated in m					
h	a	b	c	d	
2,5	18,8	7,8	18,8	7,8	
3,0	20,5	8,5	20,5	8,5	
3,5	22,1	9,2	22,1	9,2	
4,0	23,6	9,7	23,6	9,7	

Recessed downlights | TOLEDO FLAT round - Diffuser microprismatic

Type of protection: IP 20, IP54 on room side
 Protection class: I, II
 Ceiling thickness S: 1-20 mm
 Impact resistance: IK03

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA) microprismatic. Ceiling installation with spring system. Mounting depth depends on ceiling strength. Including separate LED converter with connecting cable 250 mm.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Installation dimensions DA 470 mm, HE 70 mm									
672382.002	D 495, H 6, HEL 60-80	830	3450	30	430	-	3	Autotest	23
672382.002.04	D 495, H 6, HEL 60-80	830	3450	30	430	-	3	MultiDigit	23
672382.002.07	D 495, H 6, HEL 60-80	830	3450	30	430	-	3	DALI-Sibe	23
672383.002	D 495, H 6, HEL 60-80	830	3450	30	170	-	8	Autotest	23
672383.002.04	D 495, H 6, HEL 60-80	830	3450	30	170	-	8	MultiDigit	23
672383.002.07	D 495, H 6, HEL 60-80	830	3450	30	170	-	8	DALI-Sibe	23
672382.002.1	D 495, H 6, HEL 60-80	840	3550	30	440	-	3	Autotest	23
672382.002.1.04	D 495, H 6, HEL 60-80	840	3550	30	440	-	3	MultiDigit	23
672382.002.1.07	D 495, H 6, HEL 60-80	840	3550	30	440	-	3	DALI-Sibe	23
672383.002.1	D 495, H 6, HEL 60-80	840	3550	30	170	-	8	Autotest	23
672383.002.1.04	D 495, H 6, HEL 60-80	840	3550	30	170	-	8	MultiDigit	23
672383.002.1.07	D 495, H 6, HEL 60-80	840	3550	30	170	-	8	DALI-Sibe	23

Luminaires for central battery system

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency [h]	Monitoring	Price Category
Installation dimensions DA 470 mm, HE 40 mm									
672379.002	D 495, H 6, HEL 31-51	830	3450	30	3450	30		Power circuit	24
672379.002.89	D 495, H 6, HEL 37-57	830	3450	31	3450	31		AC-Control	24
672379.002.1	D 495, H 6, HEL 31-51	840	3550	30	3550	30		Power circuit	24
672379.002.1.89	D 495, H 6, HEL 37-57	840	3550	31	3550	31		AC-Control	24

Insert frames for modular grid ceilings

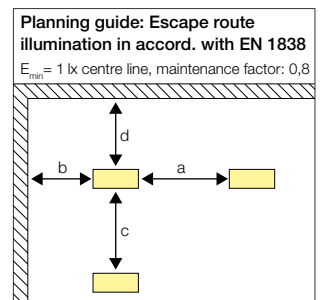
982182.002	L 595, B 595, H 36	Insert frames for modular grid ceilings 600, for downlight D 495	21
982183.002	L 622, B 622, H 36	Insert frames for modular grid ceilings 625, for downlight D 495	21



672382.002					
Luminous flux emergency: 430 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,1	3,7	9,1	3,7	
3,0	9,9	4,0	9,9	4,0	
3,5	10,6	4,3	10,6	4,3	
4,0	11,3	4,6	11,3	4,6	

672383.002					
Luminous flux emergency: 170 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	7,0	2,9	7,0	2,9	
3,0	7,6	3,1	7,6	3,1	
3,5	8,1	3,3	8,1	3,3	
4,0	8,6	3,4	8,6	3,4	

672379.002					
Luminous flux emergency: 3450 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	16,7	6,9	16,7	6,9	
3,0	18,1	7,5	18,1	7,5	
3,5	19,5	8,0	19,5	8,0	
4,0	20,7	8,4	20,7	8,4	

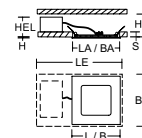




Recessed downlights | TOLEDO FLAT square - Diffuser opal

Type of protection: IP 20, IP54 on room side
 Protection class: I, II
 Ceiling thickness S: 1-20 mm
 Impact resistance: IK03

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing plastic (PMMA) opal matt. Ceiling installation with spring system. Mounting depth depends on ceiling strength. Including separate LED converter with connecting cable 250 mm.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Installation dimensions LA 96 x BA 96 mm, HE 170 mm									
672233.002	L 110, B 110, H 3, HEL 60-80	830	370	7,2	280	-	3	Autotest	23
672233.002.04	L 110, B 110, H 3, HEL 60-80	830	370	7,2	280	-	3	MultiDigit	23
672233.002.07	L 110, B 110, H 3, HEL 60-80	830	370	7,2	280	-	3	DALI-Sibe	23
672234.002	L 110, B 110, H 3, HEL 60-80	830	370	7,2	120	-	8	Autotest	23
672234.002.04	L 110, B 110, H 3, HEL 60-80	830	370	7,2	120	-	8	MultiDigit	23
672234.002.07	L 110, B 110, H 3, HEL 60-80	830	370	7,2	120	-	8	DALI-Sibe	23
672233.002.1	L 110, B 110, H 3, HEL 60-80	840	380	7,2	330	-	3	Autotest	23
672233.002.1.04	L 110, B 110, H 3, HEL 60-80	840	380	7,2	330	-	3	MultiDigit	23
672233.002.1.07	L 110, B 110, H 3, HEL 60-80	840	380	7,2	330	-	3	DALI-Sibe	23
672234.002.1	L 110, B 110, H 3, HEL 60-80	840	380	7,2	130	-	8	Autotest	23
672234.002.1.04	L 110, B 110, H 3, HEL 60-80	840	380	7,2	130	-	8	MultiDigit	23
672234.002.1.07	L 110, B 110, H 3, HEL 60-80	840	380	7,2	130	-	8	DALI-Sibe	23
Installation dimensions LA 156 x BA 156 mm, HE 110 mm									
672235.002	L 172, B 172, H 3, HEL 60-80	830	730	11	340	-	3	Autotest	23
672235.002.04	L 172, B 172, H 3, HEL 60-80	830	730	11	340	-	3	MultiDigit	23
672235.002.07	L 172, B 172, H 3, HEL 60-80	830	730	11	340	-	3	DALI-Sibe	23
672236.002	L 172, B 172, H 3, HEL 60-80	830	730	11	150	-	8	Autotest	23
672236.002.04	L 172, B 172, H 3, HEL 60-80	830	730	11	150	-	8	MultiDigit	23
672236.002.07	L 172, B 172, H 3, HEL 60-80	830	730	11	150	-	8	DALI-Sibe	23
672235.002.1	L 172, B 172, H 3, HEL 60-80	840	750	11	350	-	3	Autotest	23
672235.002.1.04	L 172, B 172, H 3, HEL 60-80	840	750	11	350	-	3	MultiDigit	23
672235.002.1.07	L 172, B 172, H 3, HEL 60-80	840	750	11	350	-	3	DALI-Sibe	23
672236.002.1	L 172, B 172, H 3, HEL 60-80	840	750	11	160	-	8	Autotest	23
672236.002.1.04	L 172, B 172, H 3, HEL 60-80	840	750	11	160	-	8	MultiDigit	23
672236.002.1.07	L 172, B 172, H 3, HEL 60-80	840	750	11	160	-	8	DALI-Sibe	23
Installation dimensions LA 208 x BA 208 mm, HE 100 mm									
672237.002	L 225, B 225, H 3, HEL 60-80	830	1600	20	440	-	3	Autotest	23
672237.002.04	L 225, B 225, H 3, HEL 60-80	830	1600	20	440	-	3	MultiDigit	23
672237.002.07	L 225, B 225, H 3, HEL 60-80	830	1600	20	440	-	3	DALI-Sibe	23
672238.002	L 225, B 225, H 3, HEL 60-80	830	1600	20	170	-	8	Autotest	23
672238.002.04	L 225, B 225, H 3, HEL 60-80	830	1600	20	170	-	8	MultiDigit	23
672238.002.07	L 225, B 225, H 3, HEL 60-80	830	1600	20	170	-	8	DALI-Sibe	23
672237.002.1	L 225, B 225, H 3, HEL 60-80	840	1650	20	450	-	3	Autotest	23
672237.002.1.04	L 225, B 225, H 3, HEL 60-80	840	1650	20	450	-	3	MultiDigit	23
672237.002.1.07	L 225, B 225, H 3, HEL 60-80	840	1650	20	450	-	3	DALI-Sibe	23
672238.002.1	L 225, B 225, H 3, HEL 60-80	840	1650	20	180	-	8	Autotest	23
672238.002.1.04	L 225, B 225, H 3, HEL 60-80	840	1650	20	180	-	8	MultiDigit	23
672238.002.1.07	L 225, B 225, H 3, HEL 60-80	840	1650	20	180	-	8	DALI-Sibe	23
Installation dimensions LA 280 x BA 280 mm, HE 90 mm									
672239.002	L 300, B 300, H 3, HEL 60-80	830	2050	25	420	-	3	Autotest	23
672239.002.04	L 300, B 300, H 3, HEL 60-80	830	2050	25	420	-	3	MultiDigit	23
672239.002.07	L 300, B 300, H 3, HEL 60-80	830	2050	25	420	-	3	DALI-Sibe	23
672240.002	L 300, B 300, H 3, HEL 60-80	830	2050	25	170	-	8	Autotest	23
672240.002.04	L 300, B 300, H 3, HEL 60-80	830	2050	25	170	-	8	MultiDigit	23
672240.002.07	L 300, B 300, H 3, HEL 60-80	830	2050	25	170	-	8	DALI-Sibe	23
672239.002.1	L 300, B 300, H 3, HEL 60-80	840	2200	25	430	-	3	Autotest	23
672239.002.1.04	L 300, B 300, H 3, HEL 60-80	840	2200	25	430	-	3	MultiDigit	23
672239.002.1.07	L 300, B 300, H 3, HEL 60-80	840	2200	25	430	-	3	DALI-Sibe	23
672240.002.1	L 300, B 300, H 3, HEL 60-80	840	2200	25	180	-	8	Autotest	23
672240.002.1.04	L 300, B 300, H 3, HEL 60-80	840	2200	25	180	-	8	MultiDigit	23
672240.002.1.07	L 300, B 300, H 3, HEL 60-80	840	2200	25	180	-	8	DALI-Sibe	23

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency system power [h]	Monitoring	Price Category
Luminaires for central battery system									
Installation dimensions LA 96 x BA 96 mm, HE 40-100 mm									
672241.002	L 110, B 110, H 3, HEL 31-51	830	370	4,7	370	4,7		Power circuit	24
672241.002.89	L 110, B 110, H 3, HEL 37-57	830	370	5,7	370	5,7		AC-Control	24
672241.002.1	L 110, B 110, H 3, HEL 31-51	840	380	4,7	380	4,7		Power circuit	24
672241.002.1.89	L 110, B 110, H 3, HEL 37-57	840	380	5,7	380	5,7		AC-Control	24
Installation dimensions LA 156 x BA 156 mm, HE 35-60 mm									
672242.002	L 172, B 172, H 3, HEL 31-51	830	730	8	730	8		Power circuit	24
672242.002.89	L 172, B 172, H 3, HEL 37-57	830	730	9	730	9		AC-Control	24
672242.002.1	L 172, B 172, H 3, HEL 31-51	840	750	8	750	8		Power circuit	24
672242.002.1.89	L 172, B 172, H 3, HEL 37-57	840	750	9	750	9		AC-Control	24
Installation dimensions LA 208 x BA 208 mm, HE 35-40 mm									
672243.002	L 225, B 225, H 3, HEL 31-51	830	1600	18	1600	18		Power circuit	24
672243.002.89	L 225, B 225, H 3, HEL 37-57	830	1600	19	1600	19		AC-Control	24
672243.002.1	L 225, B 225, H 3, HEL 31-51	840	1650	18	1650	18		Power circuit	24
672243.002.1.89	L 225, B 225, H 3, HEL 37-57	840	1650	19	1650	19		AC-Control	24
Installation dimensions LA 280 x BA 280 mm, HE 35-40 mm									
672244.002	L 300, B 300, H 3, HEL 31-51	830	2050	22	2050	22		Power circuit	24
672244.002.89	L 300, B 300, H 3, HEL 37-57	830	2050	23	2050	23		AC-Control	24
672244.002.1	L 300, B 300, H 3, HEL 31-51	840	2200	22	2200	22		Power circuit	24
672244.002.1.89	L 300, B 300, H 3, HEL 37-57	840	2200	23	2200	23		AC-Control	24

672233.002					
Luminous flux emergency: 280 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,5	3,8	9,5	3,8	
3,0	10,2	4,0	10,2	4,0	
3,5	10,7	4,1	10,7	4,1	
4,0	11,2	4,2	11,2	4,2	

672234.002					
Luminous flux emergency: 120 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	7,2	2,7	7,2	2,7	
3,0	7,6	2,8	7,6	2,8	
3,5	7,8	2,7	7,8	2,7	
4,0	7,9	2,6	7,9	2,6	

672235.002					
Luminous flux emergency: 350 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,2	4,1	10,2	4,1	
3,0	10,9	4,3	10,9	4,3	
3,5	11,6	4,5	11,6	4,5	
4,0	12,1	4,7	12,1	4,7	

672236.002					
Luminous flux emergency: 160 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,0	3,1	8,0	3,1	
3,0	8,5	3,2	8,5	3,2	
3,5	8,8	3,2	8,8	3,2	
4,0	9,0	3,2	9,0	3,2	

672237.002					
Luminous flux emergency: 440 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,8	4,4	10,8	4,4	
3,0	11,6	4,7	11,6	4,7	
3,5	12,4	4,9	12,4	4,9	
4,0	13,0	5,1	13,0	5,1	

672238.002					
Luminous flux emergency: 170 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,1	3,1	8,1	3,1	
3,0	8,6	3,3	8,6	3,3	
3,5	8,9	3,3	8,9	3,3	
4,0	9,2	3,3	9,2	3,3	

672239.002					
Luminous flux emergency: 420 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,6	4,3	10,6	4,3	
3,0	11,5	4,6	11,5	4,6	
3,5	12,2	4,8	12,2	4,8	
4,0	12,8	5,0	12,8	5,0	

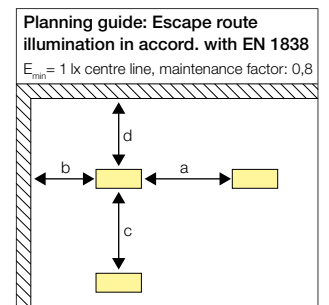
672240.002					
Luminous flux emergency: 170 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	8,1	3,1	8,1	3,1	
3,0	8,6	3,3	8,6	3,3	
3,5	9,0	3,3	9,0	3,3	
4,0	9,2	3,3	9,2	3,3	

672241.002					
Luminous flux emergency: 370 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,3	4,1	10,3	4,1	
3,0	11,1	4,4	11,1	4,4	
3,5	11,8	4,6	11,8	4,6	
4,0	12,3	4,8	12,3	4,8	

672242.002					
Luminous flux emergency: 730 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	12,3	5,0	12,3	5,0	
3,0	13,4	5,4	13,4	5,4	
3,5	14,3	5,8	14,3	5,8	
4,0	15,1	6,1	15,1	6,1	

672243.002					
Luminous flux emergency: 1600 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	15,2	6,3	15,2	6,3	
3,0	16,6	6,8	16,6	6,8	
3,5	17,8	7,3	17,8	7,3	
4,0	18,9	7,8	18,9	7,8	

672244.002					
Luminous flux emergency: 2050 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	16,2	6,7	16,2	6,7	
3,0	17,7	7,3	17,7	7,3	
3,5	19,0	7,9	19,0	7,9	
4,0	20,3	8,3	20,3	8,3	





TOLEDO FLAT

Surface mounted downlights

ARCHITECTURE

- **Advantageous:** Design continuity to the general lighting product range.
- **Reduced:** Very low installation height.
- **Homogenous:** Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic.

LIGHTING DESIGN

- **Plannable:** Wide luminaire spacing for escape route illumination.
- **Powerful:** Also suitable for large ceiling heights.
- **Ideal:** Several monitoring options possible.

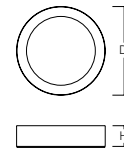
INSTALLATION

- **Easy installation:** Suitable for ceiling and wall mounting.
- **Straightforward:** Easy installation with Plug & Play plug connection.

Surface mounted downlights | TOLEDO FLAT round - Diffuser opal

Type of protection: IP 40
 Protection class: I
 Impact resistance: IK06

Cylinder housing sheet steel, powder-coated. Bezel ring: die-cast aluminium, powder-coated.
 Lightguide and diffuser made of non-yellowing plastic (PMMA) opal matt.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diameter D 257 mm									
672271.002	D 257, H 63	830	1650	20	450	-	3	Autotest	23
672271.002.04	D 257, H 63	830	1650	20	450	-	3	MultiDigit	23
672271.002.07	D 257, H 63	830	1650	20	450	-	3	DALI-Sibe	23
672272.002	D 257, H 63	830	1650	20	180	-	8	Autotest	23
672272.002.04	D 257, H 63	830	1650	20	180	-	8	MultiDigit	23
672272.002.07	D 257, H 63	830	1650	20	180	-	8	DALI-Sibe	23
672271.002.1	D 257, H 63	840	1650	20	460	-	3	Autotest	23
672271.002.1.04	D 257, H 63	840	1650	20	460	-	3	MultiDigit	23
672271.002.1.07	D 257, H 63	840	1650	20	460	-	3	DALI-Sibe	23
672272.002.1	D 257, H 63	840	1650	20	180	-	8	Autotest	23
672272.002.1.04	D 257, H 63	840	1650	20	180	-	8	MultiDigit	23
672272.002.1.07	D 257, H 63	840	1650	20	180	-	8	DALI-Sibe	23
Diameter D 319 mm									
672273.002	D 319, H 63	830	2150	26	430	-	3	Autotest	23
672273.002.04	D 319, H 63	830	2150	26	430	-	3	MultiDigit	23
672273.002.07	D 319, H 63	830	2150	26	430	-	3	DALI-Sibe	23
672274.002	D 319, H 63	830	2150	26	180	-	8	Autotest	23
672274.002.04	D 319, H 63	830	2150	26	180	-	8	MultiDigit	23
672274.002.07	D 319, H 63	830	2150	26	180	-	8	DALI-Sibe	23
672273.002.1	D 319, H 63	840	2250	26	440	-	3	Autotest	23
672273.002.1.04	D 319, H 63	840	2250	26	440	-	3	MultiDigit	23
672273.002.1.07	D 319, H 63	840	2250	26	440	-	3	DALI-Sibe	23
672274.002.1	D 319, H 63	840	2250	26	180	-	8	Autotest	23
672274.002.1.04	D 319, H 63	840	2250	26	180	-	8	MultiDigit	23
672274.002.1.07	D 319, H 63	840	2250	26	180	-	8	DALI-Sibe	23
Diameter D 500 mm									
672350.002	D 500, H 63	830	3500	38	430	-	3	Autotest	23
672350.002.04	D 500, H 63	830	3500	38	430	-	3	MultiDigit	23
672350.002.07	D 500, H 63	830	3500	38	430	-	3	DALI-Sibe	23
672351.002	D 500, H 63	830	3500	38	140	-	8	Autotest	23
672351.002.04	D 500, H 63	830	3500	38	140	-	8	MultiDigit	23
672351.002.07	D 500, H 63	830	3500	38	140	-	8	DALI-Sibe	23
672350.002.1	D 500, H 63	840	3600	38	440	-	3	Autotest	23
672350.002.1.04	D 500, H 63	840	3600	38	440	-	3	MultiDigit	23
672350.002.1.07	D 500, H 63	840	3600	38	440	-	3	DALI-Sibe	23
672351.002.1	D 500, H 63	840	3600	38	150	-	8	Autotest	23
672351.002.1.04	D 500, H 63	840	3600	38	150	-	8	MultiDigit	23
672351.002.1.07	D 500, H 63	840	3600	38	150	-	8	DALI-Sibe	23

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
Luminaires for central battery system									
Diameter D 150 mm									
672290.002	D 150, H 57	830	390	5	390	5		Power circuit	24
672290.002.89	D 150, H 57	830	390	6	390	6		AC-Control	24
672290.002.1	D 150, H 57	840	400	5	400	5		Power circuit	24
672290.002.1.89	D 150, H 57	840	400	6	400	6		AC-Control	24
Diameter D 192 mm									
672279.002	D 192, H 58	830	740	9	740	9		Power circuit	24
672279.002.89	D 192, H 58	830	740	10	740	10		AC-Control	24
672279.002.1	D 192, H 58	840	840	9	840	9		Power circuit	24
672279.002.1.89	D 192, H 58	840	840	10	840	10		AC-Control	24
Diameter D 257 mm									
672280.002	D 257, H 63	830	1650	18	1650	18		Power circuit	24
672280.002.89	D 257, H 63	830	1650	19	1650	19		AC-Control	24
672280.002.1	D 257, H 63	840	1650	18	1650	18		Power circuit	24
672280.002.1.89	D 257, H 63	840	1650	19	1650	19		AC-Control	24
Diameter D 319 mm									
672281.002	D 319, H 63	830	2150	23	2150	23		Power circuit	24
672281.002.89	D 319, H 63	830	2150	24	2150	24		AC-Control	24
672281.002.1	D 319, H 63	840	2250	23	2250	23		Power circuit	24
672281.002.1.89	D 319, H 63	840	2250	24	2250	24		AC-Control	24
Diameter D 500 mm									
672348.002	D 500, H 63	830	3500	35	3500	35		Power circuit	24
672348.002.89	D 500, H 63	830	3500	36	3500	36		AC-Control	24
672348.002.1	D 500, H 63	840	3600	35	3600	35		Power circuit	24
672348.002.1.89	D 500, H 63	840	3600	36	3600	36		AC-Control	24

672271.002					
Luminous flux emergency: 450 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,8	4,4	10,8	4,4	
3,0	11,7	4,7	11,7	4,7	
3,5	12,5	4,9	12,5	4,9	
4,0	13,1	5,1	13,1	5,1	

672272.002					
Luminous flux emergency: 180 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,2	3,2	8,2	3,2	
3,0	8,7	3,3	8,7	3,3	
3,5	9,1	3,4	9,1	3,4	
4,0	9,4	3,4	9,4	3,4	

672273.002					
Luminous flux emergency: 430 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,6	4,3	10,6	4,3	
3,0	11,5	4,6	11,5	4,6	
3,5	12,2	4,8	12,2	4,8	
4,0	12,9	5,0	12,9	5,0	

672274.002					
Luminous flux emergency: 180 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,2	3,2	8,2	3,2	
3,0	8,7	3,3	8,7	3,3	
3,5	9,1	3,4	9,1	3,4	
4,0	9,4	3,4	9,4	3,4	

672350.002					
Luminous flux emergency: 430 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,7	4,3	10,7	4,3	
3,0	11,6	4,6	11,6	4,6	
3,5	12,3	4,9	12,3	4,9	
4,0	13,0	5,1	13,0	5,1	

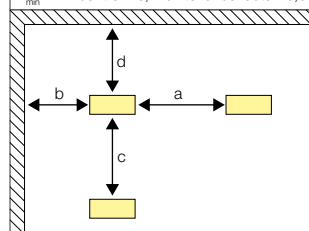
672351.002					
Luminous flux emergency: 430 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,7	4,3	10,7	4,3	
3,0	11,6	4,6	11,6	4,6	
3,5	12,3	4,9	12,3	4,9	
4,0	12,9	5,1	12,9	5,1	

672290.002					
Luminous flux emergency: 390 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,4	4,2	10,4	4,2	
3,0	11,2	4,5	11,2	4,5	
3,5	11,9	4,7	11,9	4,7	
4,0	12,5	4,9	12,5	4,9	

672279.002					
Luminous flux emergency: 740 lm Following values are indicated in m					
h	a	b	c	d	
2,5	12,4	5,1	12,4	5,1	
3,0	13,5	5,5	13,5	5,5	
3,5	14,4	5,8	14,4	5,8	
4,0	15,3	6,1	15,3	6,1	

672280.002					
Luminous flux emergency: 1650 lm Following values are indicated in m					
h	a	b	c	d	
2,5	15,4	6,4	15,4	6,4	
3,0	16,8	7,0	16,8	7,0	
3,5	18,1	7,4	18,1	7,4	
4,0	19,2	7,9	19,2	7,9	

Planning guide: Escape route illumination in accord. with EN 1838
 $E_{min} = 1 \text{ lx}$ centre line, maintenance factor: 0,8



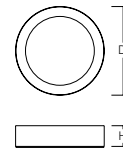
672281.002					
Luminous flux emergency: 2150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	16,4	6,8	16,4	6,8	
3,0	17,9	7,4	17,9	7,4	
3,5	19,2	8,0	19,2	8,0	
4,0	20,5	8,4	20,5	8,4	

672348.002					
Luminous flux emergency: 3500 lm Following values are indicated in m					
h	a	b	c	d	
2,5	18,8	7,8	18,8	7,8	
3,0	20,6	8,6	20,6	8,6	
3,5	22,2	9,2	22,2	9,2	
4,0	23,6	9,8	23,6	9,8	

Surface mounted downlights | TOLEDO FLAT round - Diffuser microprismatic

Type of protection: IP 40
 Protection class: I
 Impact resistance: IK06

Cylinder housing sheet steel, powder-coated. Bezel ring: die-cast aluminium, powder-coated.
 Lightguide and diffuser made of non-yellowing plastic (PMMA) microprismatic.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

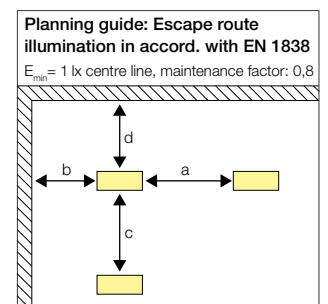
Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Diameter D 500 mm									
672352.002	D 500, H 63	830	3500	38	430	-	3	Autotest	23
672352.002.04	D 500, H 63	830	3500	38	430	-	3	MultiDigit	23
672352.002.07	D 500, H 63	830	3500	38	430	-	3	DALI-Sibe	23
672353.002	D 500, H 63	830	3500	38	140	-	8	Autotest	23
672353.002.04	D 500, H 63	830	3500	38	140	-	8	MultiDigit	23
672353.002.07	D 500, H 63	830	3500	38	140	-	8	DALI-Sibe	23
672352.002.1	D 500, H 63	840	3600	38	440	-	3	Autotest	23
672352.002.1.04	D 500, H 63	840	3600	38	440	-	3	MultiDigit	23
672352.002.1.07	D 500, H 63	840	3600	38	440	-	3	DALI-Sibe	23
672353.002.1	D 500, H 63	840	3600	38	150	-	8	Autotest	23
672353.002.1.04	D 500, H 63	840	3600	38	150	-	8	MultiDigit	23
672353.002.1.07	D 500, H 63	840	3600	38	150	-	8	DALI-Sibe	23

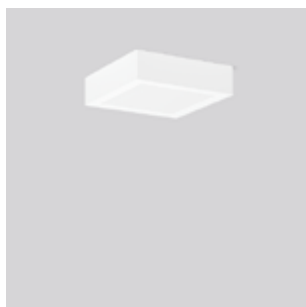
Luminaires for central battery system

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Diameter D 500 mm									
672349.002	D 500, H 63	830	3500	35	3500	35	-	Power circuit	24
672349.002.89	D 500, H 63	830	3500	36	3500	36	-	AC-Control	24
672349.002.1	D 500, H 63	840	3600	35	3600	35	-	Power circuit	24
672349.002.1.89	D 500, H 63	840	3600	36	3600	36	-	AC-Control	24

672352.002					
Luminous flux emergency: 430 lm Following values are indicated in m					
h	a	b	c	d	
2,5	9,1	3,7	9,1	3,7	
3,0	9,9	4,0	9,9	4,0	
3,5	10,6	4,3	10,6	4,3	
4,0	11,3	4,6	11,3	4,6	

672349.002					
Luminous flux emergency: 3500 lm Following values are indicated in m					
h	a	b	c	d	
2,5	16,6	6,9	16,6	6,9	
3,0	18,1	7,4	18,1	7,4	
3,5	19,4	7,9	19,4	7,9	
4,0	20,6	8,4	20,6	8,4	

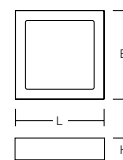




Surface mounted downlights | TOLEDO FLAT square - Diffuser opal

Type of protection: IP 40
 Protection class: I
 Impact resistance: IK06

Surface mounted housing: sheet steel, powder-coated. Square cover plate: die-cast aluminium, powder coated. Lightguide and diffuser made of non-yellowing plastic (PMMA) opal matt.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

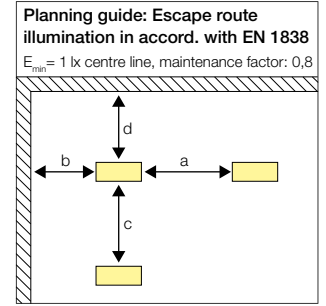
Available colour: 2 = white

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
Self-contained emergency luminaires								
Length L 225 mm x Width B 225 mm								
672275.002	L 225, B 225, H 58	830	1600	20	440	-	3	Autotest 23
672275.002.04	L 225, B 225, H 58	830	1600	20	440	-	3	MultiDigit 23
672275.002.07	L 225, B 225, H 58	830	1600	20	440	-	3	DALI-Sibe 23
672276.002	L 225, B 225, H 58	830	1600	20	170	-	8	Autotest 23
672276.002.04	L 225, B 225, H 58	830	1600	20	170	-	8	MultiDigit 23
672276.002.07	L 225, B 225, H 58	830	1600	20	170	-	8	DALI-Sibe 23
672275.002.1	L 225, B 225, H 58	840	1650	20	450	-	3	Autotest 23
672275.002.1.04	L 225, B 225, H 58	840	1650	20	450	-	3	MultiDigit 23
672275.002.1.07	L 225, B 225, H 58	840	1650	20	450	-	3	DALI-Sibe 23
672276.002.1	L 225, B 225, H 58	840	1650	20	180	-	8	Autotest 23
672276.002.1.04	L 225, B 225, H 58	840	1650	20	180	-	8	MultiDigit 23
672276.002.1.07	L 225, B 225, H 58	840	1650	20	180	-	8	DALI-Sibe 23
Length L 300 mm x Width B 300 mm								
672277.002	L 300, B 300, H 58	830	2050	25	420	-	3	Autotest 23
672277.002.04	L 300, B 300, H 58	830	2050	25	420	-	3	MultiDigit 23
672277.002.07	L 300, B 300, H 58	830	2050	25	420	-	3	DALI-Sibe 23
672278.002	L 300, B 300, H 58	830	2050	25	170	-	8	Autotest 23
672278.002.04	L 300, B 300, H 58	830	2050	25	170	-	8	MultiDigit 23
672278.002.07	L 300, B 300, H 58	830	2050	25	170	-	8	DALI-Sibe 23
672277.002.1	L 300, B 300, H 58	840	2200	25	430	-	3	Autotest 23
672277.002.1.04	L 300, B 300, H 58	840	2200	25	430	-	3	MultiDigit 23
672277.002.1.07	L 300, B 300, H 58	840	2200	25	430	-	3	DALI-Sibe 23
672278.002.1	L 300, B 300, H 58	840	2200	25	180	-	8	Autotest 23
672278.002.1.04	L 300, B 300, H 58	840	2200	25	180	-	8	MultiDigit 23
672278.002.1.07	L 300, B 300, H 58	840	2200	25	180	-	8	DALI-Sibe 23
Luminaires for central battery system								
Length L 110 mm x Width B 110 mm								
672259.002	L 110, B 110, H 58	830	410	6	410	6		Power circuit 24
672259.002.89	L 110, B 110, H 58	830	410	7	410	7		AC-Control 24
672259.002.1	L 110, B 110, H 58	840	430	6	430	6		Power circuit 24
672259.002.1.89	L 110, B 110, H 58	840	430	7	430	7		AC-Control 24
Length L 172 mm x Width B 172 mm								
672267.002	L 172, B 172, H 58	830	730	8	730	8		Power circuit 24
672267.002.89	L 172, B 172, H 58	830	730	9	730	9		AC-Control 24
672267.002.1	L 172, B 172, H 58	840	730	8	730	8		Power circuit 24
672267.002.1.89	L 172, B 172, H 58	840	730	9	730	9		AC-Control 24
Length L 225 mm x Width B 225 mm								
672268.002	L 225, B 225, H 58	830	1600	18	1600	18		Power circuit 24
672268.002.89	L 225, B 225, H 58	830	1600	19	1600	19		AC-Control 24
672268.002.1	L 225, B 225, H 58	840	1650	18	1650	18		Power circuit 24
672268.002.1.89	L 225, B 225, H 58	840	1650	19	1650	19		AC-Control 24
Length L 300 mm x Width B 300 mm								
672269.002	L 300, B 300, H 58	830	2050	22	2050	22		Power circuit 24
672269.002.89	L 300, B 300, H 58	830	2050	23	2050	23		AC-Control 24
672269.002.1	L 300, B 300, H 58	840	2200	22	2200	22		Power circuit 24
672269.002.1.89	L 300, B 300, H 58	840	2200	23	2200	23		AC-Control 24

672275.002					
Luminous flux emergency: 440 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,8	4,4	10,8	4,4	
3,0	11,6	4,7	11,6	4,7	
3,5	12,4	4,9	12,4	4,9	
4,0	13,0	5,1	13,0	5,1	

672276.002					
Luminous flux emergency: 170 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,1	3,1	8,1	3,1	
3,0	8,6	3,3	8,6	3,3	
3,5	8,9	3,3	8,9	3,3	
4,0	9,2	3,3	9,2	3,3	

672277.002					
Luminous flux emergency: 420 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,6	4,3	10,6	4,3	
3,0	11,5	4,6	11,5	4,6	
3,5	12,2	4,8	12,2	4,8	
4,0	12,8	5,0	12,8	5,0	



672278.002					
Luminous flux emergency: 170 lm Following values are indicated in m					
h	a	b	c	d	
2,5	8,1	3,1	8,1	3,1	
3,0	8,6	3,3	8,6	3,3	
3,5	9,0	3,3	9,0	3,3	
4,0	9,2	3,3	9,2	3,3	

672259.002					
Luminous flux emergency: 410 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,5	4,3	10,5	4,3	
3,0	11,4	4,6	11,4	4,6	
3,5	12,1	4,8	12,1	4,8	
4,0	12,7	4,9	12,7	4,9	

672267.002					
Luminous flux emergency: 730 lm Following values are indicated in m					
h	a	b	c	d	
2,5	12,5	5,1	12,5	5,1	
3,0	13,5	5,5	13,5	5,5	
3,5	14,5	5,8	14,5	5,8	
4,0	15,3	6,1	15,3	6,1	

672268.002					
Luminous flux emergency: 1600 lm Following values are indicated in m					
h	a	b	c	d	
2,5	15,2	6,3	15,2	6,3	
3,0	16,6	6,8	16,6	6,8	
3,5	17,8	7,3	17,8	7,3	
4,0	18,9	7,8	18,9	7,8	

672269.002					
Luminous flux emergency: 2050 lm Following values are indicated in m					
h	a	b	c	d	
2,5	16,2	6,7	16,2	6,7	
3,0	17,7	7,3	17,7	7,3	
3,5	19,0	7,9	19,0	7,9	
4,0	20,3	8,3	20,3	8,3	





TRIXY

Recessed downlights

ARCHITECTURE

- **Versatile:** Flat downlight for recessed installation in 2 sizes and in 2 shapes.
- **Clever:** 3-fold multi-function: MultiColour, MultiLumen, MultiCutOut.
- **Reduced:** Very low installation height.
- **Applicable:** Renovations, corridors, side rooms, hotels, restaurants, conference rooms.

LIGHTING DESIGN

- **Uniform:** RZB SIDELITE® technology: Lateral light injection for extremely homogeneous light distribution.
- **MultiColour:** Colour temperature individually adjustable either 3000 K or 4000 K. Only for self-contained luminaires.
- **MultiLumen:** Luminous flux adjustable in 3 steps. Only for self-contained luminaires.
- **Advantageous:** Colour rendering index Ra > 80. Colour tolerance within 4-steps MacAdam (4 SDCM). LED rated life 40000 h (L70/B50).

INSTALLATION

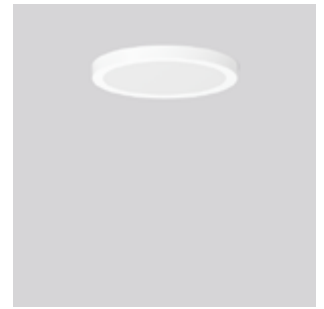
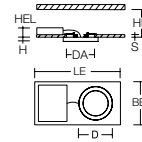
- **Perfect:** The MultiCutOut function makes it particularly suitable for renovations with existing ceiling cut-outs.
- **MultiCutOut:** with adjustable spring fastenings, different round and rectangular ceiling cut-outs can be individually configured.

Recessed downlights | TRIXY round

Type of protection: IP 20
 Protection class: I, II
 Ceiling thickness S: 5-25 mm
 Impact resistance: 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.

MultiCutOut: With adjustable spring clamps, different ceiling cut-outs can be individually adhered to.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

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.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Ceiling cut out DA adjustable from 100 mm to 205 mm, HE 220 mm									
672584.002	D 235, H 22, HEL 65	830, 840	990...1650	12...18	380	-	3	Autotest	23
672584.002.04	D 235, H 22, HEL 65	830, 840	990...1650	12...18	380	-	3	MultiDigit	23
672584.002.07	D 235, H 22, HEL 65	830, 840	990...1650	12...18	380	-	3	DALI-Sibe	23
672585.002	D 235, H 22, HEL 65	830, 840	990...1650	12...18	150	-	8	Autotest	23
672585.002.04	D 235, H 22, HEL 65	830, 840	990...1650	12...18	150	-	8	MultiDigit	23
672585.002.07	D 235, H 22, HEL 65	830, 840	990...1650	12...18	150	-	8	DALI-Sibe	23
Ceiling cut out DA adjustable from 120 mm to 260 mm, HE 165 mm									
672587.002	D 300, H 25, HEL 65	830, 840	1600...2600	16...24	400	-	3	Autotest	23
672587.002.04	D 300, H 25, HEL 65	830, 840	1600...2600	16...24	400	-	3	MultiDigit	23
672587.002.07	D 300, H 25, HEL 65	830, 840	1600...2600	16...24	400	-	3	DALI-Sibe	23
672588.002	D 300, H 25, HEL 65	830, 840	1600...2600	16...24	150	-	8	Autotest	23
672588.002.04	D 300, H 25, HEL 65	830, 840	1600...2600	16...24	150	-	8	MultiDigit	23
672588.002.07	D 300, H 25, HEL 65	830, 840	1600...2600	16...24	150	-	8	DALI-Sibe	23

Luminaires for central battery system

Ceiling cut out DA adjustable from 100 mm to 205 mm, HE 220 mm									
672586.002	D 235, H 22, HEL 65	830	1500	16	800	8		Power circuit	24
672586.002.89	D 235, H 22, HEL 65	830	1500	17	800	9		AC-Control	24
672586.002.1	D 235, H 22, HEL 65	840	1650	15	800	7,9		Power circuit	24
672586.002.1.89	D 235, H 22, HEL 65	840	1650	16	800	8,9		AC-Control	24
Ceiling cut out DA adjustable from 120 mm to 260 mm, HE 165 mm									
672589.002	D 300, H 25, HEL 65	830	2300	22	800	7,7		Power circuit	24
672589.002.89	D 300, H 25, HEL 65	830	2300	24	800	8,7		AC-Control	24
672589.002.1	D 300, H 25, HEL 65	840	2600	22	800	7,6		Power circuit	24
672589.002.1.89	D 300, H 25, HEL 65	840	2600	23	800	8,6		AC-Control	24

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

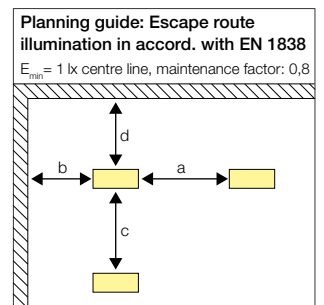
672584.002					
Luminous flux emergency: 380 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,4	4,2	10,4	4,2	
3,0	11,2	4,5	11,2	4,5	
3,5	11,9	4,7	11,9	4,7	
4,0	12,5	4,8	12,5	4,8	

672585.002					
Luminous flux emergency: 150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,8	3,0	7,8	3,0	
3,0	8,3	3,1	8,3	3,1	
3,5	8,6	3,1	8,6	3,1	
4,0	8,8	3,0	8,8	3,0	

672587.002					
Luminous flux emergency: 400 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,6	4,3	10,6	4,3	
3,0	11,4	4,5	11,4	11,4	
3,5	12,1	4,8	12,1	4,8	
4,0	12,7	4,9	12,7	4,9	

672588.002					
Luminous flux emergency: 150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,8	3,0	7,8	3,0	
3,0	8,2	3,1	8,2	3,1	
3,5	8,6	3,1	8,6	3,1	
4,0	8,8	3,0	8,8	3,0	

672586.002					
Luminous flux emergency: 800 lm Following values are indicated in m					
h	a	b	c	d	
2,5	12,9	5,3	12,9	5,3	
3,0	14,0	5,7	14,0	5,7	
3,5	14,9	6,0	14,9	6,0	
4,0	15,8	6,3	15,8	6,3	



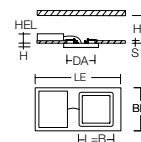


Recessed downlights | TRIXY square

Type of protection: IP 20
 Protection class: I, II
 Ceiling thickness S: 5-25 mm
 Impact resistance: 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.

MultiCutOut: With adjustable spring clamps, different ceiling cut-outs can be individually adhered to.



Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

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.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 2 = white

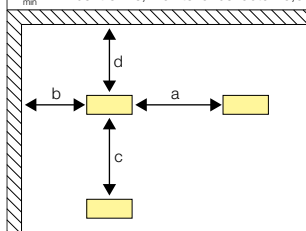
Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Ceiling cut out DA adjustable from 100 mm to 205 mm, HE 220 mm									
672590.002	L 235, B 235, H 22, HEL 65	830, 840	990...1700	12...18	390	-	3	Autotest	23
672590.002.04	L 235, B 235, H 22, HEL 65	830, 840	990...1700	12...18	390	-	3	MultiDigit	23
672590.002.07	L 235, B 235, H 22, HEL 65	830, 840	990...1700	12...18	390	-	3	DALI-Sibe	23
672591.002	L 235, B 235, H 22, HEL 65	830, 840	990...1700	12...18	140	-	8	Autotest	23
672591.002.04	L 235, B 235, H 22, HEL 65	830, 840	990...1700	12...18	140	-	8	MultiDigit	23
672591.002.07	L 235, B 235, H 22, HEL 65	830, 840	990...1700	12...18	140	-	8	DALI-Sibe	23
Ceiling cut out DA adjustable from 120 mm to 260 mm, HE 165 mm									
672593.002	L 300, B 300, H 25, HEL 65	830, 840	1550...2550	16...24	390	-	3	Autotest	23
672593.002.04	L 300, B 300, H 25, HEL 65	830, 840	1550...2550	16...24	390	-	3	MultiDigit	23
672593.002.07	L 300, B 300, H 25, HEL 65	830, 840	1550...2550	16...24	390	-	3	DALI-Sibe	23
672594.002	L 300, B 300, H 25, HEL 65	830, 840	1550...2550	16...24	140	-	8	Autotest	23
672594.002.04	L 300, B 300, H 25, HEL 65	830, 840	1550...2550	16...24	140	-	8	MultiDigit	23
672594.002.07	L 300, B 300, H 25, HEL 65	830, 840	1550...2550	16...24	140	-	8	DALI-Sibe	23

Luminaires for central battery system									
Ceiling cut out DA adjustable from 100 mm to 205 mm, HE 220 mm									
672592.002	L 235, B 235, H 22, HEL 65	830	1500	16	800	7,9		Power circuit	24
672592.002.89	L 235, B 235, H 22, HEL 65	830	1500	17	800	8,9		AC-Control	24
672592.002.1	L 235, B 235, H 22, HEL 65	840	1700	15	800	7,8		Power circuit	24
672592.002.1.89	L 235, B 235, H 22, HEL 65	840	1700	16	800	8,8		AC-Control	24
Ceiling cut out DA adjustable from 120 mm to 260 mm, HE 165 mm									
672595.002	L 300, B 300, H 25, HEL 65	830	2250	22	800	7,6		Power circuit	24
672595.002.89	L 300, B 300, H 25, HEL 65	830	2250	24	800	8,6		AC-Control	24
672595.002.1	L 300, B 300, H 25, HEL 65	840	2550	22	800	7,5		Power circuit	24
672595.002.1.89	L 300, B 300, H 25, HEL 65	840	2550	23	800	8,5		AC-Control	24

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

Planning guide: Escape route illumination in accord. with EN 1838

$E_{min} = 1 \text{ lx}$ centre line, maintenance factor: 0,8



672590.002					
Luminous flux emergency: 390 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,5	4,2	10,5	4,2	
3,0	11,3	4,5	11,3	4,5	
3,5	12,0	4,7	12,0	4,7	
4,0	12,6	4,9	12,6	4,9	

672591.002					
Luminous flux emergency: 140 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,6	2,9	7,6	2,9	
3,0	8,1	3,0	8,1	3,0	
3,5	8,3	3,0	8,3	3,0	
4,0	8,5	2,9	8,5	2,9	

672593.002					
Luminous flux emergency: 390 lm Following values are indicated in m					
h	a	b	c	d	
2,5	10,5	4,2	10,5	4,2	
3,0	11,3	4,5	11,3	4,5	
3,5	12,0	4,7	12,0	4,7	
4,0	12,6	4,9	12,6	4,9	

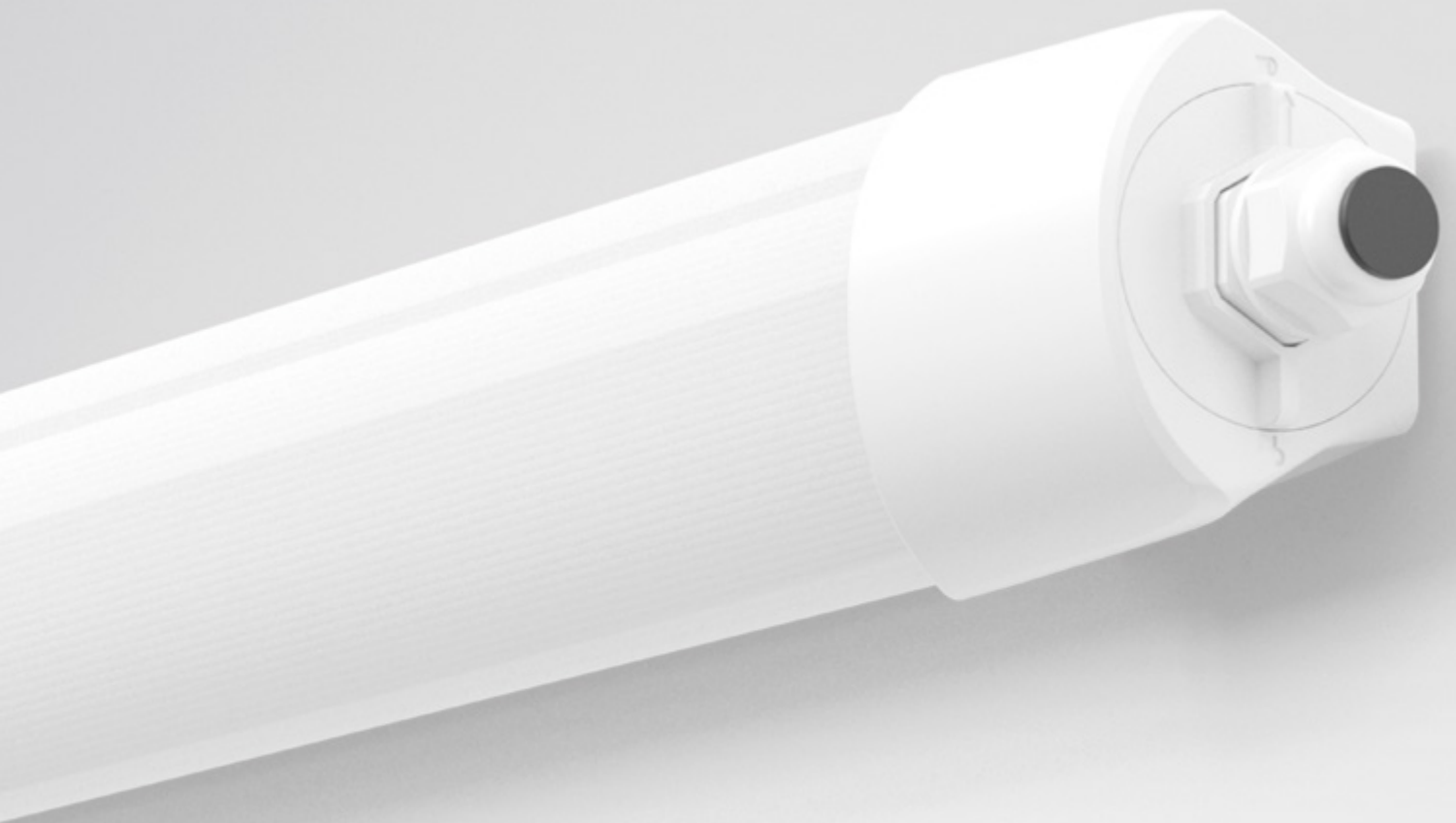
672594.002					
Luminous flux emergency: 140 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,6	2,9	7,6	2,9	
3,0	8,0	3,0	8,0	3,0	
3,5	8,3	3,0	8,3	3,0	
4,0	8,5	2,9	8,5	2,9	

672592.002					
Luminous flux emergency: 800 lm Following values are indicated in m					
h	a	b	c	d	
2,5	12,9	5,3	12,9	5,3	
3,0	14,0	5,7	14,0	5,7	
3,5	14,9	6,0	14,9	6,0	
4,0	15,8	6,3	15,8	6,3	



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TRIXY



reddot award 2018
winner



PLANOX PRO

Ceiling and wall luminaires

ARCHITECTURE

- **Protected:** IP 66 - High type of protection for tough requirements.
- **Robust:** Diffuser made of shockproof polycarbonate.
- **Tested:** Qualified for use in the food and drink industry.
- **Safe:** Luminaire with limited surface temperature in accordance with EN 60598-2-24.

LIGHTING DESIGN

- **Efficient:** Luminous efficacy up to 149 lm/W.
- **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

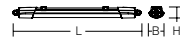
- **Easy installation:** Tool-free opening and closing with twist lock.
- **Standard:** Through-wiring for additional luminaires.
- **Versatile:** Surface and pendant mounting.
- **Flexible:** Sliding mounting brackets. Ideal for luminaire replacement.
- **Integrated:** Cable entries at both ends.

Ceiling and wall luminaires | PLANOX PRO

Type of protection: IP 66
 Protection class: II
 Impact resistance: IK08

Side panels: plastic, white polycarbonate, shockproof. Diffuser: plastic (polycarbonate), opal. 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 EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.


Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

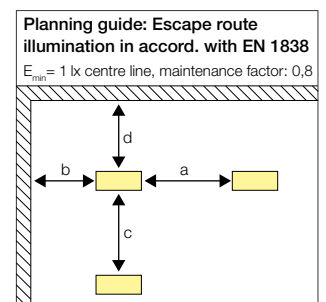
Available colour: 2 = white

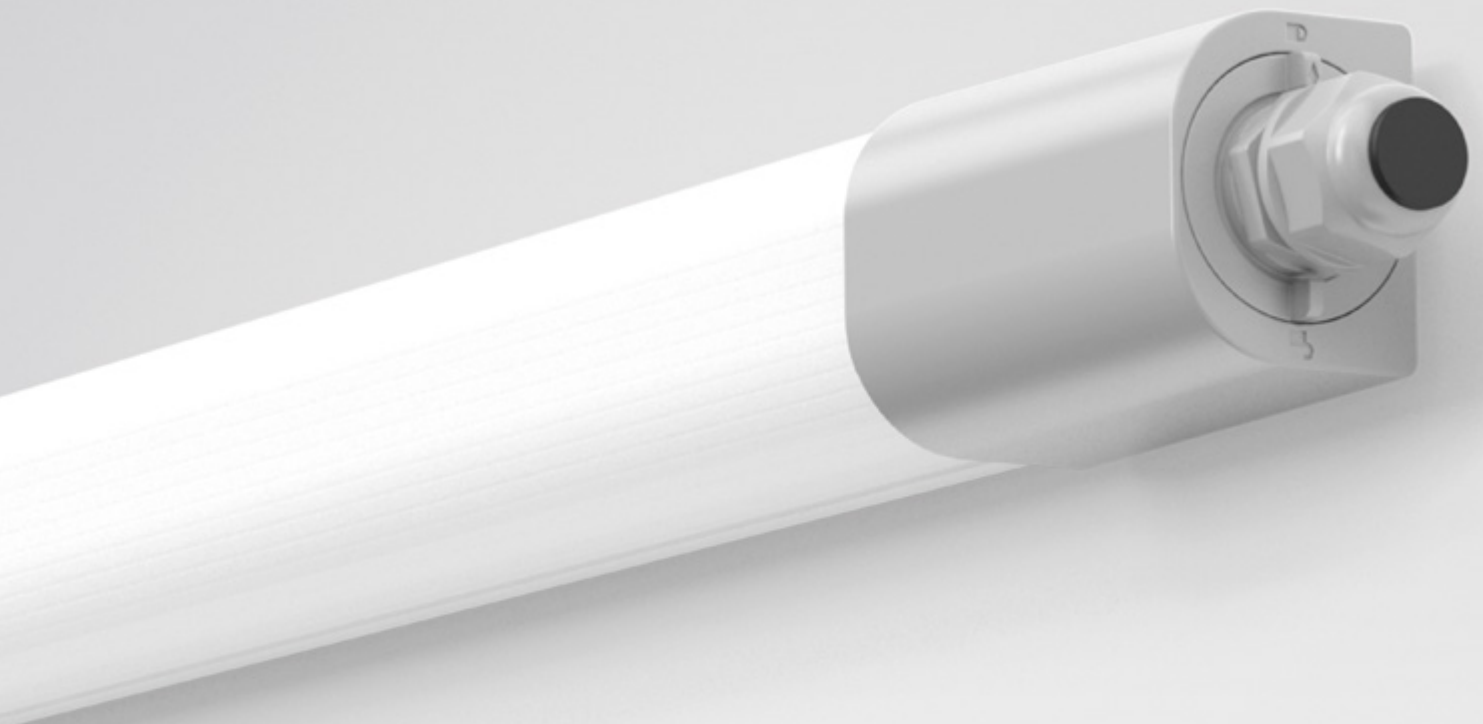
Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Monitoring	Price Category
Luminaires for central battery system								
Length L 750 mm								
672318.002	L 750, B 88, H 63	840	2000	15	480	4,6	Power circuit	24
Length L 1350 mm								
672319.002	L 1350, B 88, H 63	840	5200	35	5200	35	Power circuit	24
Length L 1650 mm								
672320.002	L 1650, B 88, H 63	840	7150	48	7150	48	Power circuit	24

672318.002					
Luminous flux emergency: 480 lm Following values are indicated in m					
h	a	b	c	d	
2,5	14,9	6,2	17,9	7,1	
3,0	16,3	6,7	19,1	7,6	
3,5	17,5	7,2	20,2	8,0	
4,0	18,6	7,6	21,2	8,4	

672319.002					
Luminous flux emergency: 5200 lm Following values are indicated in m					
h	a	b	c	d	
2,5	18,9	7,9	24,1	9,7	
3,0	20,8	8,7	25,8	10,3	
3,5	22,5	9,4	27,3	10,9	
4,0	24,0	10,0	28,7	11,5	

672320.002					
Luminous flux emergency: 7150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	20,7	8,7	26,9	10,8	
3,0	22,8	9,6	28,8	11,5	
3,5	24,6	10,3	30,5	12,2	
4,0	26,4	11,0	32,1	12,8	





PLANOX ECO

Ceiling and wall luminaires

ARCHITECTURE

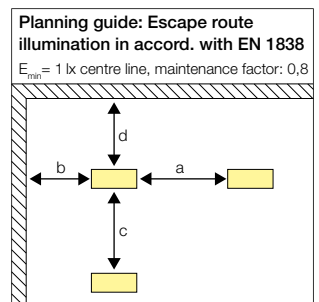
- **Protected:** IP 66 - High type of protection for tough requirements.
- **Robust:** Diffuser made of shockproof polycarbonate.
- **Tested:** Qualified for use in the food and drink industry.
- **Safe:** Luminaire with limited surface temperature in accordance with EN 60598-2-24.
- **Ideal:** Several monitoring options possible.

LIGHTING DESIGN

- **Powerful:** High luminous flux up to 7150 lm.
- **Efficient:** Luminous efficacy up to 157 lm/W.
- **MultiLumen:** Luminous flux adjustable in 2 steps. Only for self-contained luminaires.
- **Uniform:** The 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.



Ceiling and wall luminaires | PLANOX ECO

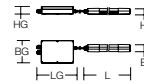
Type of protection: IP 66
 Protection class: I
 Impact resistance: IK08

Side panels: plastic, grey polycarbonate, shockproof. Diffuser: plastic (non-yellowing polycarbonate), opal, impact resistant. Connection in separate ballast box (L 329, W 184, H 61) with connecting cable to luminaire 500 mm. Cable screw fittings for convenient wiring. 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 EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Mounting kit for ballast box must be ordered separately for pendant installations.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 9 = grey

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Length L 749 mm									
672573.009	L 749, B 61, H 50	840	1150 / 2250	11 / 17	460	-	3	Autotest	23
672573.009.04	L 749, B 61, H 50	840	1150 / 2250	11 / 17	460	-	3	MultiDigit	23
672573.009.07	L 749, B 61, H 50	840	1150 / 2250	11 / 17	460	-	3	DALI-Sibe	23
Length L 1349 mm									
672576.009	L 1349, B 61, H 50	840	3150 / 5000	21 / 35	450	-	3	Autotest	23
672576.009.04	L 1349, B 61, H 50	840	3150 / 5000	21 / 35	450	-	3	MultiDigit	23
672576.009.07	L 1349, B 61, H 50	840	3150 / 5000	21 / 35	450	-	3	DALI-Sibe	23
Length L 1649 mm									
672579.009	L 1649, B 61, H 50	840	4950 / 7150	33 / 49	440	-	3	Autotest	23
672579.009.04	L 1649, B 61, H 50	840	4950 / 7150	33 / 49	440	-	3	MultiDigit	23
672579.009.07	L 1649, B 61, H 50	840	4950 / 7150	33 / 49	440	-	3	DALI-Sibe	23

672576.009				
Luminous flux emergency: 450 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	9,1	3,6	11,6	4,5
3,0	9,8	3,8	12,3	4,6
3,5	10,3	3,9	12,7	4,7
4,0	10,7	4,0	13,1	4,8

Mounting kit for ballast box for pendant installations

983066.000	consisting of 2 brackets, 2 snap hooks and 2 cheese head screws	23
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Ceiling and wall luminaires | PLANOX ECO

Type of protection: IP 66
 Protection class: II
 Impact resistance: 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 EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Luminaires for central battery system

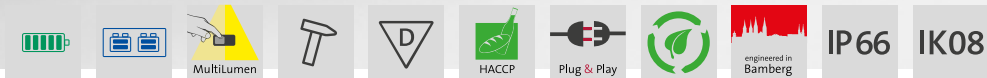
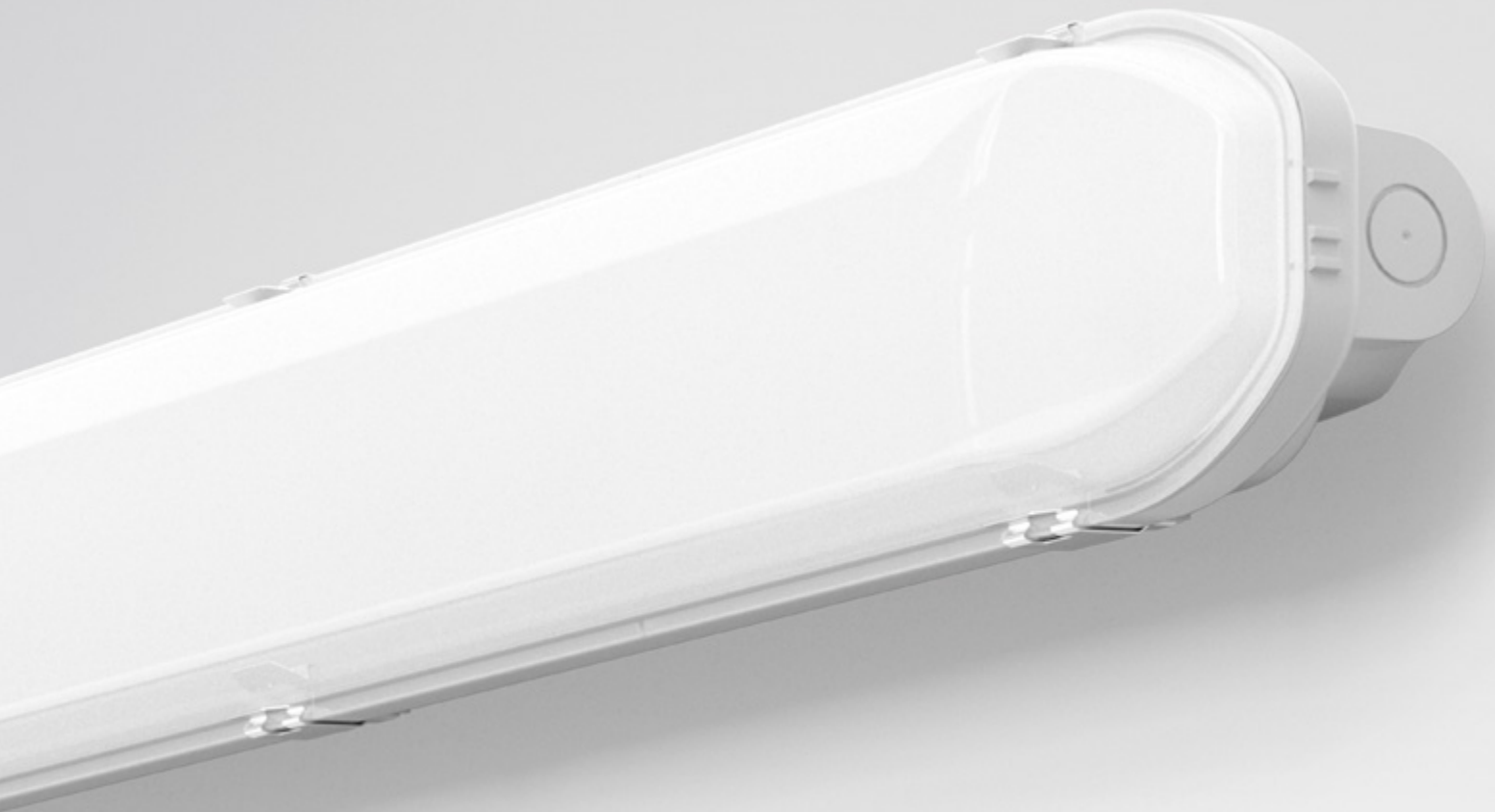
Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: 9 = grey



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								
Length L 852 mm								
672575.009	L 852, B 61, H 50	840	2100	16	720	5,5	Power circuit	24
Length L 1452 mm								
672578.009	L 1452, B 61, H 50	840	4950	36	740	5,9	Power circuit	24
Length L 1752 mm								
672581.009	L 1752, B 61, H 50	840	6800	50	750	7,2	Power circuit	24

672573.009				
Luminous flux emergency: 460 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	10,6	4,3	13,9	5,4
3,0	11,5	4,6	14,7	5,7
3,5	12,2	4,8	15,3	5,9
4,0	12,8	5,0	15,9	6,0



PLANOX

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.
- **Tested:** Qualified for use in the food and drink industry.

LIGHTING DESIGN

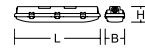
- **Powerful:** High luminous flux up to 9200 lm.
- **Efficient:** Very good luminous efficiency of up to 156 lm/W.
- **Long service life:** Extended LED rated life up to 100,000 h (L80).
- **MultiLumen:** Luminous flux adjustable in 2 steps. Only for self-contained luminaires.
- **Reliable planning:** Suitable for lighting in public car parks and public off-street parking spaces according to DIN 67528.
- **Ideal:** Several monitoring options possible.

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.
- **Advantageous:** Ideal for modernisations thanks to the possibility of central feed.
- **Flexible:** Sliding mounting brackets. Ideal for luminaire replacement.

Ceiling and wall luminaires | PLANOX - Plastic (PMMA)

Type of protection: IP 66
 Protection class: I
 Impact resistance: IK04



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) 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 (2.5 mm²) as standard. Ceiling mounting stainless steel brackets and triangular brackets for pendant mounting included in delivery.

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.


Self-contained emergency luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.
MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: light grey (RAL 7035)

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Self-contained emergency luminaires									
Length L 1174 mm									
672598.009.1	L 1174, B 102, H 85	840	4700 / 6900	32 / 46	490	-	3	Autotest	23
672598.009.1.04	L 1174, B 102, H 85	840	4700 / 6900	32 / 46	490	-	3	MultiDigit	23
672598.009.1.07	L 1174, B 102, H 85	840	4700 / 6900	32 / 46	490	-	3	DALI-Sibe	23
Length L 1454 mm									
672601.009.1	L 1454, B 102, H 85	840	7200 / 9200	46 / 60	490	-	3	Autotest	23
672601.009.1.04	L 1454, B 102, H 85	840	7200 / 9200	46 / 60	490	-	3	MultiDigit	23
672601.009.1.07	L 1454, B 102, H 85	840	7200 / 9200	46 / 60	490	-	3	DALI-Sibe	23

Luminaires for central battery system

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
Length L 615 mm									
672596.009.1	L 615, B 102, H 85	840	2200	14	860	8		Power circuit	24
672596.009.1.89	L 615, B 102, H 85	840	2200	15	860	9		AC-Control	24
672597.009.1	L 615, B 102, H 85	840	3400	22	860	8		Power circuit	24
672597.009.1.89	L 615, B 102, H 85	840	3400	23	860	9		AC-Control	24
Length L 1174 mm									
672599.009.1	L 1174, B 102, H 85	840	4700	29	860	8		Power circuit	24
672599.009.1.89	L 1174, B 102, H 85	840	4700	30	860	9		AC-Control	24
672600.009.1	L 1174, B 102, H 85	840	6900	43	860	8		Power circuit	24
672600.009.1.89	L 1174, B 102, H 85	840	6900	44	860	9		AC-Control	24
Length L 1454 mm									
672602.009.1	L 1454, B 102, H 85	840	7200	44	860	8		Power circuit	24
672602.009.1.89	L 1454, B 102, H 85	840	7200	45	860	9		AC-Control	24
672603.009.1	L 1454, B 102, H 85	840	9200	57	860	8		Power circuit	24
672603.009.1.89	L 1454, B 102, H 85	840	9200	58	860	9		AC-Control	24

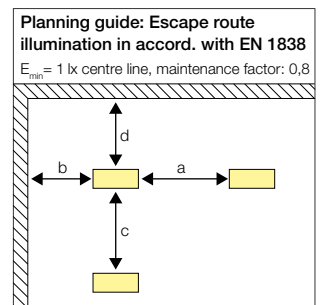
672598.009.1					
Luminous flux emergency: 490 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,3	4,2	12,0	4,7	
3,0	11,1	4,4	12,8	5,0	
3,5	11,8	4,7	13,4	5,2	
4,0	12,4	4,8	14,0	5,3	

672601.009.1					
Luminous flux emergency: 490 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,3	4,1	12,0	4,7	
3,0	11,1	4,4	12,8	5,0	
3,5	11,8	4,6	13,4	5,2	
4,0	12,3	4,8	14,0	5,3	

672596.009.1					
Luminous flux emergency: 860 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	12,2	5,0	14,0	5,6	
3,0	13,2	5,4	15,1	6,0	
3,5	14,1	5,7	16,0	6,3	
4,0	14,9	5,9	16,7	6,5	

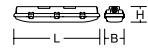
672599.009.1					
Luminous flux emergency: 860 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	12,1	4,9	14,2	5,7	
3,0	13,1	5,3	15,3	6,1	
3,5	14,0	5,7	16,2	6,4	
4,0	14,8	5,9	17,0	6,6	

672602.009.1					
Luminous flux emergency: 860 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	12,0	4,9	14,3	5,7	
3,0	13,1	5,3	15,3	6,1	
3,5	13,9	5,6	16,2	6,4	
4,0	14,7	5,9	17,0	6,6	





Ceiling and wall luminaires | PLANOX - Plastic (polycarbonate)



Type of protection: IP 66
 Protection class: I
 Impact resistance: IK08

Housing made of shockproof, UV-resistant plastic (polycarbonate). Injected silicone-based seal with increased resistance even under extreme conditions. Diffuser made of 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 (2.5 mm²) as standard. Ceiling mounting stainless steel brackets and triangular brackets for pendant mounting included in delivery.

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.

Self-contained emergency luminaires

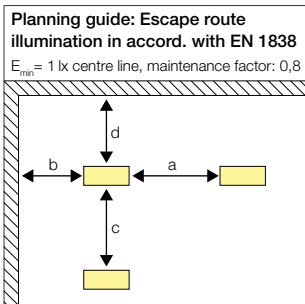
Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.
MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colour: light grey (RAL 7035)

Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Monitoring [h]	Price Category
Self-contained emergency luminaires								
Length L 1174 mm								
672598.009	L 1174, B 102, H 85	840	4400 / 6400	32 / 46	450	-	3 Autotest	23
672598.009.04	L 1174, B 102, H 85	840	4400 / 6400	32 / 46	450	-	3 MultiDigit	23
672598.009.07	L 1174, B 102, H 85	840	4400 / 6400	32 / 46	450	-	3 DALI-Sibe	23
Length L 1454 mm								
672601.009	L 1454, B 102, H 85	840	6700 / 8600	46 / 60	450	-	3 Autotest	23
672601.009.04	L 1454, B 102, H 85	840	6700 / 8600	46 / 60	450	-	3 MultiDigit	23
672601.009.07	L 1454, B 102, H 85	840	6700 / 8600	46 / 60	450	-	3 DALI-Sibe	23
Luminaires for central battery system								
Length L 615 mm								
672596.009	L 615, B 102, H 85	840	2000	14	800	8	Power circuit	24
672596.009.89	L 615, B 102, H 85	840	2000	15	800	9	AC-Control	24
672597.009	L 615, B 102, H 85	840	3100	22	800	8	Power circuit	24
672597.009.89	L 615, B 102, H 85	840	3100	23	800	9	AC-Control	24
Length L 1174 mm								
672599.009	L 1174, B 102, H 85	840	4400	29	800	8	Power circuit	24
672599.009.89	L 1174, B 102, H 85	840	4400	30	800	9	AC-Control	24
672600.009	L 1174, B 102, H 85	840	6400	43	800	8	Power circuit	24
672600.009.89	L 1174, B 102, H 85	840	6400	44	800	9	AC-Control	24
Length L 1454 mm								
672602.009	L 1454, B 102, H 85	840	6700	44	800	8	Power circuit	24
672602.009.89	L 1454, B 102, H 85	840	6700	45	800	9	AC-Control	24
672603.009	L 1454, B 102, H 85	840	8600	57	800	8	Power circuit	24
672603.009.89	L 1454, B 102, H 85	840	8600	58	800	9	AC-Control	24



672598.009					
Luminous flux emergency: 450 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,1	4,1	11,5	4,6	
3,0	10,9	4,3	12,3	4,8	
3,5	11,5	4,5	12,9	5,0	
4,0	12,1	4,6	13,4	5,1	

672601.009					
Luminous flux emergency: 450 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	10,1	4,0	11,6	4,6	
3,0	10,8	4,3	12,3	4,8	
3,5	11,5	4,5	13,0	5,0	
4,0	12,0	4,6	13,5	5,1	

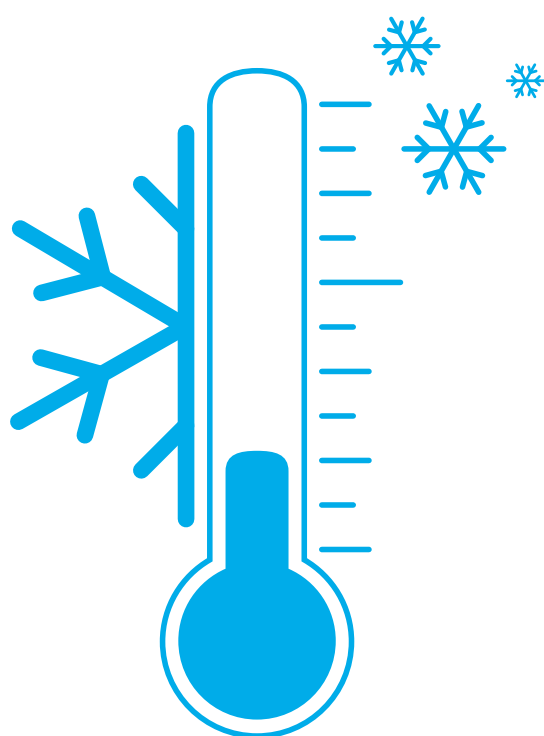
672596.009					
Luminous flux emergency: 800 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	12,0	4,9	13,7	5,5	
3,0	13,0	5,3	14,7	5,8	
3,5	13,9	5,6	15,5	6,1	
4,0	14,7	5,8	16,3	6,4	

672599.009					
Luminous flux emergency: 800 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	11,9	4,8	13,8	5,5	
3,0	12,9	5,2	14,8	5,9	
3,5	13,7	5,5	15,7	6,2	
4,0	14,5	5,8	16,4	6,4	

672602.009					
Luminous flux emergency: 800 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	11,8	4,8	13,9	5,6	
3,0	12,8	5,2	14,9	5,9	
3,5	13,7	5,5	15,7	6,2	
4,0	14,4	5,7	16,5	6,5	



BATTERY PACK




SAFETY FIRST - down to -20°C

Safe operation of self-contained emergency luminaires at temperatures down to -20°C. Thanks to the innovative rechargeable battery technology, the operation of self-contained emergency luminaires is also possible outdoors. The control gear is designed for use at low ambient temperatures. The exterior of the luminaire series remains unchanged. There is no need for a battery heater, making operation of the emergency luminaire efficient and lean.

Additional advantages

- ⊕ Safe operation of self-contained emergency lights down to -20°C in outdoor areas.
- ⊕ Innovative rechargeable battery technology.
- ⊕ Control gear adapted to ambient temperatures.
- ⊕ No battery heating necessary.
- ⊕ Efficient and slim operation.
- ⊕ Can be used in many luminaire series for specific projects.



A vibrant, colorful night sky featuring a prominent red and blue nebula, with numerous bright stars and constellations visible against a dark blue background. The foreground shows a large, glowing yellowish-white dome, possibly an igloo or a large snowdrift, illuminated from within, set against a snowy or icy ground.

Safe operation down to -20°C

No battery heating required

Suitable for emergency lighting in outdoor areas



IP66

IK08

CADERO

Ceiling and wall luminaires

ARCHITECTURE

- **Optimum:** Design continuity to the general lighting product range.
- **Reduced:** The flat design provides universal applicability with circular or square glass cover option.
- **Long service life:** Seawater resistant coating.
- **Functional:** With membrane valve to avoid condensation.

LIGHTING DESIGN

- **Protected:** The high type of protection IP 66 enables maintenance-free, plain LED operation.
- **MultiColour:** Colour temperature individually adjustable either 3000 K or 4000 K.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

INSTALLATION

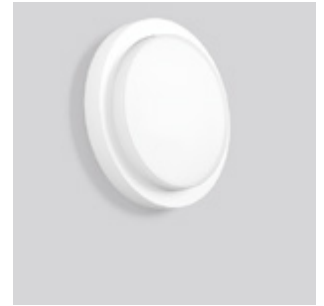
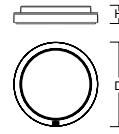
- **Optimum:** Drill hole deviations can be compensated to achieve precise positioning.
- **Easy installation:** Generous space for displacing cables allows the wall outlet even in the luminaire centre.
- **Ideal:** Second cable inlet for loop through.
- **Straightforward:** Electrical connection via piano key terminal.
- **Advantageous:** Diffuser retained in cover.

Ceiling and wall luminaires | CADERO disca

Type of protection: IP 66
 Protection class: I
 Impact resistance: IK08

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 Gore™ Protective Vents diaphragm valve for reduction of condensation. 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.

MultiColour: Colour temperature adjustable via switching element for 3000 K (factory setting) and 4000 K.


Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

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

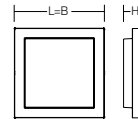
Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Monitoring	Price Category
Luminaires for central battery system								
672705.00X	D 311, H 64	830, 840	840	9,5	820	9,5	Power circuit	24
672705.00X.89	D 311, H 64	830, 840	840	10	820	10	AC-Control	24

The specified luminous flux refers to the white luminaire. With other colours, the luminous flux is reduced. You can find detailed information at www.rzb-lighting.com.

Ceiling and wall luminaires | CADERO quadra

Type of protection: IP 65
 Protection class: I
 Impact resistance: 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.


Luminaires for central battery system

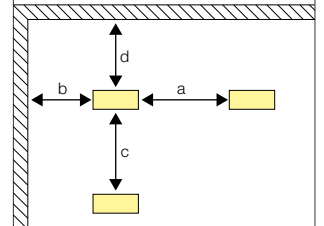
Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colours (X): 31 = anthracite, 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								
672295.00X	L 257, B 257, H 81	830	630	12	160	3,4	Power circuit	24
672295.00X.1	L 257, B 257, H 81	840	660	13	160	4,4	Power circuit	24

Planning guide: Escape route illumination in accord. with EN 1838

$E_{min} = 1 \text{ lx}$ centre line, maintenance factor: 0,8



672705.00X					
Luminous flux emergency: 820 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	13,4	5,4	13,4	5,4	
3,0	14,4	5,7	14,4	5,7	
3,5	15,2	6,0	15,2	6,0	
4,0	16,0	6,3	16,0	6,3	

672295.00X					
Luminous flux emergency: 160 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	7,9	3,0	7,9	3,0	
3,0	8,2	3,0	8,2	3,0	
3,5	8,5	2,9	8,5	2,9	
4,0	8,6	2,8	8,6	2,8	



ROUNDED

Ceiling and wall luminaires, Wall luminaires

ARCHITECTURE

- **Optimum:** Design continuity to the general lighting product range.
- **Reduced:** Elegant appearance without visible screws featuring bayonet lock.
- **Long service life:** Seawater resistant coating.
- **Functional:** Integral membrane valve for pressure compensation and avoidance of condensation.

LIGHTING DESIGN

- **Protected:** The high type of protection IP 66 enables maintenance-free, plain LED operation.
- **MultiColour:** Colour temperature individually adjustable either 3000 K or 4000 K.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

INSTALLATION

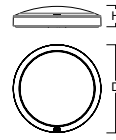
- **Optimum:** Drill hole deviations can be compensated to achieve precise positioning.
- **Easy installation:** Generous space for displacing cables allows the wall outlet even in the luminaire centre.
- **Ideal:** Second cable inlet for loop through.
- **Straightforward:** Electrical connection via piano key terminal.
- **Advantageous:** Diffuser retained in cover.

Ceiling and wall luminaires | ROUNDED

Type of protection: IP 66
 Protection class: I
 Impact resistance: IK07

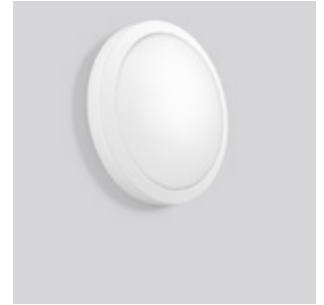
Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Diffuser: crystal glass (satin finish) or opal plastic (polycarbonate); with diffuser fixing. Diffuser fastening: bayonet system. With Gore™ Protective Vents diaphragm valve for reduction of condensation. 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.

MultiColour: Colour temperature adjustable via switching element for 3000 K (factory setting) and 4000 K.


Luminaires for central battery system

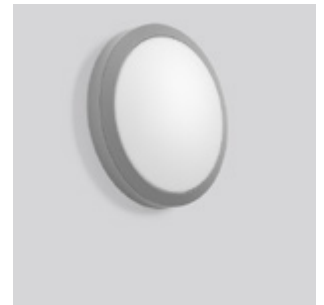
Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colours (X): 2 = white, 31 = anthracite, 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								
Glass								
672693.00X	D 300, H 71	830, 840	880	9,5	860	9,5	Power circuit	24
672693.00X.89	D 300, H 71	830, 840	880	10	860	10	AC-Control	24
Plastic (polycarbonate)								
672699.00X	D 300, H 71	830, 840	1200	9,5	1150	9,5	Power circuit	24
672699.00X.89	D 300, H 71	830, 840	1200	10	1150	10	AC-Control	24

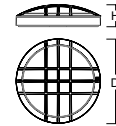
The specified luminous flux refers to the white luminaire. With other colours, the luminous flux is reduced.
 You can find detailed information at www.rzb-lighting.com.


Ceiling and wall luminaires | ROUNDED

Type of protection: IP 66
 Protection class: I
 Impact resistance: 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 Gore™ Protective Vents diaphragm valve for reduction of condensation. 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.

MultiColour: Colour temperature adjustable via switching element for 3000 K (factory setting) and 4000 K.


Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

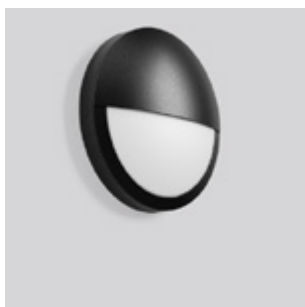
Available colours (X): 2 = white, 31 = anthracite, 4 = silver



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								
Glass								
672697.00X	D 300, H 77	830, 840	810	9,5	790	9,5	Power circuit	24
672697.00X.89	D 300, H 77	830, 840	810	10	790	10	AC-Control	24
Plastic (polycarbonate)								
672703.00X	D 300, H 77	830, 840	1100	9,5	1050	9,5	Power circuit	24
672703.00X.89	D 300, H 77	830, 840	1100	10	1050	10	AC-Control	24

The specified luminous flux refers to the white luminaire. With other colours, the luminous flux is reduced.
 You can find detailed information at www.rzb-lighting.com.



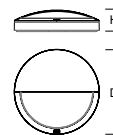


Wall luminaires | ROUNDED

Type of protection: IP 66
 Protection class: I
 Impact resistance: 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 Gore™ Protective Vents diaphragm valve for reduction of condensation. 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.

MultiColour: Colour temperature adjustable via switching element for 3000 K (factory setting) and 4000 K.



Luminaires for central battery system

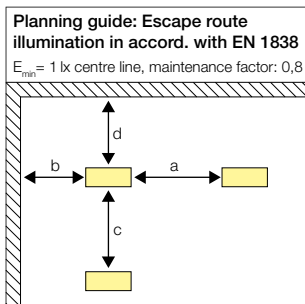
Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colours (X): 2 = white, 31 = anthracite, 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								
Glass								
672695.00X	D 300, H 77	830, 840	500	9,5	490	9,5	Power circuit	24
672695.00X.89	D 300, H 77	830, 840	500	10	490	10	AC-Control	24
Plastic (polycarbonate)								
672701.00X	D 300, H 77	830, 840	700	9,5	680	9,5	Power circuit	24
672701.00X.89	D 300, H 77	830, 840	700	10	680	10	AC-Control	24

The specified luminous flux refers to the white luminaire. With other colours, the luminous flux is reduced. You can find detailed information at www.rzb-lighting.com.



672693.00X					
Luminous flux emergency: 860 lm Following values are indicated in m					
h	a	b	c	d	
2,5	13,2	5,4	13,2	5,4	
3,0	14,3	5,8	14,3	5,8	
3,5	15,2	6,1	15,2	6,1	
4,0	16,1	6,4	16,4	6,4	

672699.00X					
Luminous flux emergency: 1150 lm Following values are indicated in m					
h	a	b	c	d	
2,5	14,4	5,9	14,4	5,9	
3,0	15,6	6,4	15,6	6,4	
3,5	16,7	6,8	16,7	6,8	
4,0	17,7	7,1	17,7	7,1	

672697.00X					
Luminous flux emergency: 790 lm Following values are indicated in m					
h	a	b	c	d	
2,5	12,8	5,2	12,8	5,2	
3,0	13,9	5,6	13,9	5,6	
3,5	14,8	5,9	14,8	5,9	
4,0	15,6	6,2	15,6	6,2	

672703.00X					
Luminous flux emergency: 1050 lm Following values are indicated in m					
h	a	b	c	d	
2,5	14,0	5,7	14,0	5,7	
3,0	15,2	6,2	15,2	6,2	
3,5	16,2	6,5	16,2	6,5	
4,0	17,1	6,9	17,1	6,9	

672695.00X					
Luminous flux emergency: 490 lm Following values are indicated in m					
h	a	b	c	d	
2,5	6,7	2,3	7,0	6,3	
3,0	6,8	2,2	7,4	6,6	
3,5	6,7	1,9	7,6	6,7	
4,0	6,4	1,5	7,8	6,8	

672701.00X					
Luminous flux emergency: 680 lm Following values are indicated in m					
h	a	b	c	d	
2,5	7,6	2,7	7,9	7,2	
3,0	7,8	2,7	8,3	7,5	
3,5	7,9	2,5	8,7	7,8	
4,0	7,8	2,2	9,0	8,0	





IP65

IK07

ROUNDED MAXI

Ceiling and wall luminaires

ARCHITECTURE

- **Optimum:** Design continuity to the general lighting product range.
- **Reduced:** Elegant appearance without visible screws featuring bayonet lock.
- **Long service life:** Seawater resistant coating.
- **Functional:** Integral membrane valve for pressure compensation and avoidance of condensation.

LIGHTING DESIGN

- **Protected:** The high type of protection IP 65 enables maintenance-free, plain LED operation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

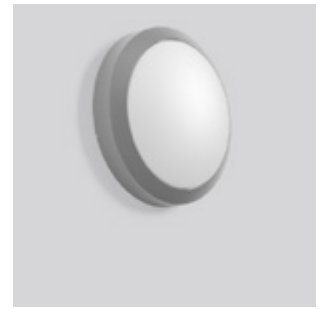
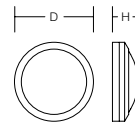
INSTALLATION

- **Optimum:** Drill hole deviations can be compensated to achieve precise positioning.
- **Easy installation:** Generous space for displacing cables allows the wall outlet even in the luminaire centre.
- **Ideal:** Second cable inlet for loop through.
- **Straightforward:** Electrical connection via piano key terminal.
- **Advantageous:** Diffuser retained in cover.

Ceiling and wall luminaires | ROUNDED MAXI

Type of protection: IP 65
 Protection class: I
 Impact resistance: IK07

Base and housing made of corrosion resistant pressure die-cast aluminium, seawater resistant powder-coated. Diffuser: crystal glass (satin finish) with diffuser fixing. 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.


Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colours (X): 2 = white, 31 = anthracite, 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								
672297.00X	D 400, H 120	830	1050	19	270	5	Power circuit	24
672297.00X.89	D 400, H 120	830	1050	20	270	6	AC-Control	24
672297.00X.1	D 400, H 120	840	1050	19	280	5	Power circuit	24
672297.00X.1.89	D 400, H 120	840	1050	20	280	6	AC-Control	24

The specified luminous flux refers to the white luminaire. With other colours, the luminous flux is reduced. You can find detailed information at www.rzb-lighting.com.

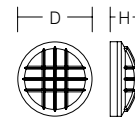
Theft protection

982410.003	L 13, B 11, H 16	12
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Ceiling and wall luminaires | ROUNDED MAXI

Type of protection: IP 65
 Protection class: I
 Impact resistance: IK07

Base, housing and protective guard 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. 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.


Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colours (X): 2 = white, 31 = anthracite, 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								
672298.00X	D 400, H 127	830	850	19	220	7	Power circuit	24
672298.00X.89	D 400, H 127	830	850	20	220	8	AC-Control	24
672298.00X.1	D 400, H 127	840	890	19	230	7	Power circuit	24
672298.00X.1.89	D 400, H 127	840	890	20	230	8	AC-Control	24

The specified luminous flux refers to the white luminaire. With other colours, the luminous flux is reduced. You can find detailed information at www.rzb-lighting.com.

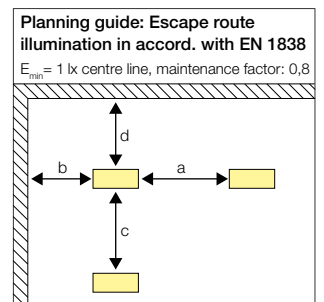
Theft protection

982410.003	L 13, B 11, H 16	12
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672297.00X				
Luminous flux emergency: 270 lm Following values are indicated in m				
h	a	b	c	d
2,5	9,3	3,6	9,3	3,6
3,0	9,9	3,8	9,9	3,8
3,5	10,4	3,9	10,4	3,9
4,0	10,8	4,0	10,8	4,0

672298.00X				
Luminous flux emergency: 220 lm Following values are indicated in m				
h	a	b	c	d
2,5	8,6	3,4	8,6	3,4
3,0	9,2	3,5	9,2	3,5
3,5	9,6	3,6	9,6	3,6
4,0	9,9	3,6	9,9	3,6





IP65

MEGA

Bollards

ARCHITECTURE

- **Advantageous:** Design continuity to the general lighting product range.
- **Applicable:** Bollard for public areas such as paths, squares, parks or car parking areas.
- **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 and recyclable components.

LIGHTING DESIGN

- **Efficient:** The high quality LED optics provide balanced brightness while minimising energy consumption.
- **Optimum:** Luminaire head in glass or plastic for different lighting effects and design options.
- **Long service life:** High type of protection IP 65.

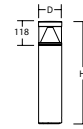
INSTALLATION

- **Easy installation:** Elongated holes in the base for subsequent and simple alignment of the luminaire.
- **Straightforward:** Suitable for through-wiring.
- **Standard:** Membrane valve to prevent condensation.

Bollards | MEGA CONE

Type of protection: IP 65
 Protection class: I
 Impact resistance: 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.


Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colours (X): 31 = anthracite, 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								
672551.00X	D 115, H 1035	830	770	10	770	10	Power circuit	24
672551.00X.89	D 115, H 1035	830	770	11	770	11	AC-Control	24
672551.00X.1	D 115, H 1035	840	800	10	800	10	Power circuit	24
672551.00X.1.89	D 115, H 1035	840	800	11	800	11	AC-Control	24

Self-contained power supply units | POWERBOX 15

Emergency lighting supply device for the connection of up to two luminaires suitable for DC voltage operation according to EN IEC 60598-2-22, for a rated operating time of 1 h or 3 h.

The lights can be installed up to 500 m from the POWERBOX 15. Automatic self-test according to DIN EN 62034 as standard, which indicates a luminaire/device malfunction via an integrated status LED in the event of a device malfunction or underload on a luminaire circuit. The luminaire circuit can be switched and operated in both maintained and non-maintained mode.

Permissible ambient temperature: +5 to +35 °C
 Type of installation: wall surface mounting or horizontal mounting

Self-contained power supply units

672232.009	L 100, B 200, H 250	for standard variants	30
672232.009.04	L 100, B 200, H 250	for MultiDigit (.04)	30
672232.009.07	L 100, B 200, H 250	for DALI (.07)	30


Self-contained power supply units | PGVG 200

Emergency lighting supply device for the connection of up to two luminaires suitable for DC voltage operation according to EN IEC 60598-2-22, for a rated operating time of 1 h or 3 h.

The luminaires can be installed up to 500 m from the PGVG 200. Automatic self-test according to DIN EN 62034 as standard, which reports a luminaire/device fault in the event of a device fault or underload on a lighting circuit, which can be passed on via a potential-free changeover relay and is displayed via an integrated status LED. The two lighting circuits can be switched independently of one another and operated both in maintained and in non-maintained operation.

Permissible ambient temperature Ta: 0 bis +25°C
 Type of installation: wall surface mounting

Self-contained power supply units

981504.000	L 560, B 237, H 170	for standard variants	30
981504.000.04	L 560, B 237, H 170	for MultiDigit (.04)	30
981504.000.07	L 560, B 237, H 170	for DALI (.07)	30


Aluminium buried base with anti-sink protection and fixing set

982103.000	D 115, H 401	Luminaire tube Ø 115 mm	12
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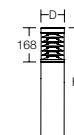




Bollards | MEGA TOWER F

Type of protection: IP 65
 Protection class: I
 Impact resistance: IK05

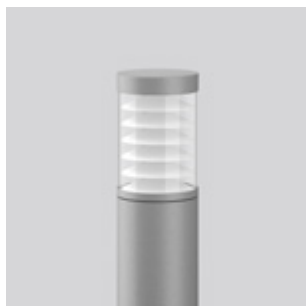
Luminaire tube made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Luminaire head made of corrosion-resistant pressure die-cast aluminium, powder-coated, with transparent cylinder (glass) and translucent anti-glare louvers. 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.



Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colours (X): 31 = anthracite, 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								
672550.00X	D 115, H 1000	830	880	10	880	10	Power circuit	24
672550.00X.89	D 115, H 1000	830	880	11	880	11	AC-Control	24
672550.00X.1	D 115, H 1000	840	920	10	920	10	Power circuit	24
672550.00X.1.89	D 115, H 1000	840	920	11	920	11	AC-Control	24



Self-contained power supply units | POWERBOX 15

Emergency lighting supply device for the connection of up to two luminaires suitable for DC voltage operation according to EN IEC 60598-2-22, for a rated operating time of 1 h or 3 h.

The lights can be installed up to 500 m from the POWERBOX 15. Automatic self-test according to DIN EN 62034 as standard, which indicates a luminaire/device malfunction via an integrated status LED in the event of a device malfunction or underload on a luminaire circuit. The luminaire circuit can be switched and operated in both maintained and non-maintained mode.

Permissible ambient temperature: +5 to +35 °C
 Type of installation: wall surface mounting or horizontal mounting

Self-contained power supply units			
672232.009	L 100, B 200, H 250	for standard variants	30
672232.009.04	L 100, B 200, H 250	for MultiDigit (.04)	30
672232.009.07	L 100, B 200, H 250	for DALI (.07)	30



Self-contained power supply units | PGVG 200

Emergency lighting supply device for the connection of up to two luminaires suitable for DC voltage operation according to EN IEC 60598-2-22, for a rated operating time of 1 h or 3 h.

The luminaires can be installed up to 500 m from the PGVG 200. Automatic self-test according to DIN EN 62034 as standard, which reports a luminaire/device fault in the event of a device fault or underload on a lighting circuit, which can be passed on via a potential-free changeover relay and is displayed via an integrated status LED. The two lighting circuits can be switched independently of one another and operated both in maintained and in non-maintained operation.

Permissible ambient temperature Ta: 0 bis +25°C
 Type of installation: wall surface mounting

Self-contained power supply units			
981504.000	L 560, B 237, H 170	for standard variants	30
981504.000.04	L 560, B 237, H 170	for MultiDigit (.04)	30
981504.000.07	L 560, B 237, H 170	for DALI (.07)	30



Aluminium buried base with anti-sink protection and fixing set

982103.000	D 115, H 401	Luminaire tube Ø 115 mm	12
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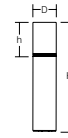


Bollards | MEGA TUBE

Type of protection: IP 65
 Protection class: I
 Impact resistance: IK03 (Glass), IK05 (Plastic)

For escape route illumination

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: Opal glass, mouth-blown, satin finish, or opal plastic (polyethylene), satin finish. With membrane valve to avoid condensation. Connection box on base, max. 2 x 3 x 2.5 mm² for through wiring.


Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

Available colours (X): 31 = anthracite, 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								
Diffuser: plastic (polyethylene), opal, satin finish								
672306.00X	D 115, H 1000	830	1000	10	1000	10	Power circuit	24
672306.00X.89	D 115, H 1000	830	1000	11	1000	11	AC-Control	24
672306.00X.1	D 115, H 1000	840	1050	10	1050	10	Power circuit	24
672306.00X.1.89	D 115, H 1000	840	1050	11	1050	11	AC-Control	24
Opal glass, satin finish								
672505.00X	D 115, H 1000	830	860	10	860	10	Power circuit	24
672505.00X.89	D 115, H 1000	830	860	11	860	11	AC-Control	24
672505.00X.1	D 115, H 1000	840	900	10	900	10	Power circuit	24
672505.00X.1.89	D 115, H 1000	840	900	11	900	11	AC-Control	24

Self-contained power supply units | POWERBOX 15

Emergency lighting supply device for the connection of up to two luminaires suitable for DC voltage operation according to EN IEC 60598-2-22, for a rated operating time of 1 h or 3 h.

The lights can be installed up to 500 m from the POWERBOX 15. Automatic self-test according to DIN EN 62034 as standard, which indicates a luminaire/device malfunction via an integrated status LED in the event of a device malfunction or underload on a luminaire circuit. The luminaire circuit can be switched and operated in both maintained and non-maintained mode.

Permissible ambient temperature: +5 to +35 °C
 Type of installation: wall surface mounting or horizontal mounting


Self-contained power supply units

672232.009	L 100, B 200, H 250	for standard variants	30
672232.009.04	L 100, B 200, H 250	for MultiDigit (.04)	30
672232.009.07	L 100, B 200, H 250	for DALI (.07)	30

Self-contained power supply units | PGVG 200

Emergency lighting supply device for the connection of up to two luminaires suitable for DC voltage operation according to EN IEC 60598-2-22, for a rated operating time of 1 h or 3 h.

The luminaires can be installed up to 500 m from the PGVG 200. Automatic self-test according to DIN EN 62034 as standard, which reports a luminaire/device fault in the event of a device fault or underload on a lighting circuit, which can be passed on via a potential-free changeover relay and is displayed via an integrated status LED. The two lighting circuits can be switched independently of one another and operated both in maintained and in non-maintained operation.

Permissible ambient temperature Ta: 0 bis +25°C
 Type of installation: wall surface mounting


Self-contained power supply units

981504.000	L 560, B 237, H 170	for standard variants	30
981504.000.04	L 560, B 237, H 170	for MultiDigit (.04)	30
981504.000.07	L 560, B 237, H 170	for DALI (.07)	30

Aluminium buried base with anti-sink protection and fixing set

982103.000	D 115, H 401	Luminaire tube Ø 115 mm	12
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LIGHTSTREAM

Spotlights

ARCHITECTURE

- **Optimum:** Design continuity to the general lighting product range.
- **Versatile:** Clever combination of spotlight and pole luminaire in one.
- **Tested:** Vibration test according to DIN EN 60598-1.
- **Robust:** Seawater resistant coating.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable 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.

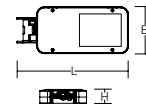
INSTALLATION

- **Easy installation:** Quick and easy installation due to pre-wired connection cable.
- **Advantageous:** Extensive installation accessories for any application scenarios.

Spotlights | LIGHTSTREAM mini

Type of protection: IP 66
 Protection class: I
 Impact resistance: 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). With NFC programming interface. Pre-assembled connection cable, length 0.5 m.



Modular design: Mounting set must be ordered separately.

Luminaires for central battery system

Voltage type: AC/DC
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.

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

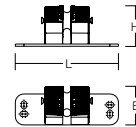


Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Monitoring	Price Category
Luminaires for central battery system								
Asymmetrical linear light distribution for narrow streets and paths according to DIN EN 13201								
672847.00X	L 395, B 166, H 49	730	4300	31	1100	8,6	Power	24
672847.00X.1	L 395, B 166, H 49	740	4600	31	1150	8,6	Power	24
Asymmetrical linear light distribution for wide streets and paths according to DIN EN 13201								
672848.00X	L 395, B 166, H 49	730	4400	31	1100	8,6	Power	24
672848.00X.1	L 395, B 166, H 49	740	4700	31	1200	8,6	Power	24
Asymmetrical narrow beam light distribution for area lighting (e.g. parking lots, loading zones)								
672849.00X	L 395, B 166, H 49	730	3950	31	990	8,6	Power	24
672849.00X.1	L 395, B 166, H 49	740	4250	31	1050	8,6	Power	24

Modules | LIGHTSTREAM - Mounting bracket

Mounting bracket for attachment to floor, wall and ceiling. Pressure die-cast aluminium, seawater resistant powder-coated.

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

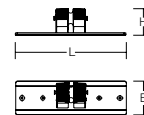

Mounting bracket

983164.00X	L 180, B 67, H 70							12
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Modules | LIGHTSTREAM - Mounting bracket

Mounting bracket for attachment to floor, wall and ceiling. Increased cross-sectional area and larger hole spacing for better force distribution. Pressure die-cast aluminium, seawater resistant powder-coated.

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


Mounting bracket

983117.00X	L 294, B 90, H 69							12
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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

982978.00X	L 91, B 87, H 168	Pole attachment for 76 mm spigot.						12
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Reducing adapters

982562.000	L 43, B 76, H 95	For reducing Ø 76 mm spigot size to Ø 60 mm						12
982983.000	D 78, H 97	For reducing Ø 76 mm spigot size to Ø 42mm.						12





General accessories | LIGHTSTREAM mini / midi



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

61199.009	L 265, B 72, H 75		12
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Round clip with strain relief

982977.003	D 23, L 64	Max. 4 x 4 mm ² and cable diameter Ø 7 - 12 mm.	12
982974.003	D 23, L 89	Max. 5 x 1.5 mm ² and cable diameter Ø 5 - 12 mm.	12



Junction box H with strain relief

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.	11
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Accessories for mounting with pole top | LIGHTSTREAM mini

The luminaire can only be mounted on the following accessoires with **pole top 982978.00X**



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 (982562.000) separately for installation the luminaire on the bracket!

Multiple brackets

982588.000	L 1015, B 90, H 250, d 76	Pole bracket for 2 luminaires, uncoated	12
982588.00X	L 1015, B 90, H 250, d 76	Pole bracket for 2 luminaires, powder-coated	12
982589.000	L 894, B 787, H 250, d 76	Pole bracket for 3 luminaires, uncoated	12
982589.00X	L 894, B 787, H 250, d 76	Pole bracket for 3 luminaires, powder-coated	12
982590.000	L 1015, B 1015, H 250, d 76	Pole bracket for 4 luminaires, uncoated	12
982590.00X	L 1015, B 1015, H 250, d 76	Pole bracket for 4 luminaires, powder-coated	12



Reducing adapters

982562.000	L 43, B 76, H 95	For reducing Ø 76 mm spigot size to Ø 60 mm	12
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Accessories for mounting with mounting bracket | LIGHTSTREAM mini

The luminaire can only be mounted on the following accessoires with **mounting bracket 983164.00X**


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

982058.000	L 500, B 180, H 180	Overall lenght 500 mm, uncoated	12
982058.0031	L 500, B 180, H 180	Overall lenght 500 mm, anthracite metallic	12
982086.000	L 1000, B 180, H 180	Overall lenght 1000 mm, uncoated	12
982086.0031	L 1000, B 180, H 180	Overall lenght 1000 mm, anthracite metallic	12


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

982049.000	L 250, B 114, H 153	for spigot 60 mm, uncoated	12
982049.00X	L 250, B 114, H 153	for spigot 60 mm, powder-coated	12
982050.000	L 250, B 114, H 153	for spigot 76 mm, uncoated	12
982050.00X	L 250, B 114, H 153	for spigot 76 mm, powder-coated	12


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

982524.00X	L 395, B 395, H 120	Adapter set for 4-fold configuration (4 x 90°)	11
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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

982092.000	L 178, B 174, H 38	for pole diameter 95 - 114 mm, uncoated	12
982093.000	L 178, B 194, H 38	for pole diameter 115 - 135 mm, uncoated	12

Powder coating on request.





GSUN D
LESS IS MORE 21
LESS IS MORE BEAMLINE

Types of protection	306
Protection classes	306
IK code: Impact protection	306
Electrotechnical variants and additions	306
Control gears	306
Service life criteria	306
Binning	306
Abbreviations	307
General information	307
Safety and quality	307
Safety marks	307
Icons	308
Chemical resistance	309
Alphabetical Index	310
Reference number index	312
Terms and conditions of sale and delivery	320
Customer Contact	324

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

 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. A minimum impact resistance of IK02 applies for luminaires and IK03 for emergency luminaires.

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 .04 **autom. self-test function and feedback to MULTIDIGIT**

Version with automatic self-test function and feedback to MULTIDIGIT

Code .07 **autom. self-test function and feedback to DALI**

Version with automatic self-test function and feedback to RZB DALI monitoring systems

Code .F1 **autom. self-test function and feedback to MULTIDIGIT air**

Version with automatic self-test function and feedback to MULTIDIGIT AIR monitoring systems

Code .19 **Movement sensor**

With movement sensor (stand-alone or master)

Code .89 **AC-Control**

Monitoring system for LUXIFAIR central battery system (CPS)

Control gears

Our luminaires are mainly fitted with low-loss control gears. They are designed for 230 V/50 Hz (control gears 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 L_x,B_y describe the condition after a rated time of operation.

In the expression L_x,B_y, 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.

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 luminaire including ceiling thickness
Le	Recess length
EEC	Energy efficiency class
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.
.Q	<p>Quick servie .Q</p> <p>All luminaires from the quick service programme „Q“ are available from stock. These lights are delivered ex works on the same day if the order is received by 10.00 am.</p>

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.

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 Electrical 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.



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.

Icons

	MultiColour version: colour temperature adjustable in different steps.		Seawater resistant coating.
	MultiColour version: colour temperature adjustable in different steps.		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.
	Ideal for office areas (UGR ≤ 19) and computer workstations in accordance with EN 12464-1.		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.
	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.		Environmentally friendly and resource-saving due to replaceable and recyclable components.
	The luminaire with sensor (master) controls several other luminaires without sensor (slave). Depending on the system, several master luminaires can also be operated together.		These luminaire series are developed in Germany and tested in our in-house laboratories.
	Mesh sensors create a wireless connection between each other. This allows for flexible configuration via smartphone or tablet.		These luminaire series are designed, manufactured and tested at our company headquarters in Bamberg.
	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.		The rechargeable battery of self-contained emergency luminaires in this series is frost-proof down to -20° C (outdoor areas).
	Luminaires made of impact resistant polycarbonate.		Luminaires in this series are equipped with a MULTIDIGIT air Bluetooth® module, compatible with the RZB MULTIDIGIT air app.
	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.		Luminaires in this series are equipped with an NFC interface for quick and easy wireless configuration of operating parameters.
	Luminaires with limited surface temperature in accordance with EN 60598-2-24		Commissioning and monitoring via app.
	ENEC certified and ready for the future.		Luminaires with high protection class.
	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.		Self-contained emergency luminaires
	Fast and easy installation.		Luminaires for central battery system
	Adjustable spring clamps for different ceiling cut-outs.		Luminaires in this series are equipped with battery heating.
	For the most realistic possible perception of colours of surroundings, objects and people.		Functional integrity E30
	Dark Sky: Protects insects and the environment thanks to needs-based light distribution without light emitted in the upper hemisphere, thus avoiding light pollution		AV/SV grid: AV = General power supply SV = Emergency power supply

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		+	+
Glystantin		+	+
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

A		and additions	306	L		POWERBOX 15	41
Abbreviations	307	Escape sign	169	LIGHTSTREAM mini	301	POWERBOX FLOOD	203
AC-Control	106	EXEO D	135	LINEDO	6	Protection classes	306
AC-Control DALI	106	EXEO S	135	Low Power Supply (LPS)	43	PROvisu software	90
Accessories for group and central battery systems	90	EXEO X	199	LUCIO 2		R	
B		F		Ceiling luminaires	187	RECHTECK	
BACnet-Gateway	108	Fire protection housing E30	63, 70	Recessed ceiling luminaires	188	Wall luminaires	157
Base for housing adaptation	87	Fire safety signs	169	Luminaires for escape route identification	111	Wall extension luminaires	158
Battery cabinets	85	FLAT POLYMERO	238	M		Ceiling luminaires	159
Battery sets	88	FLAT POLYMERO KREIS	232	Maintenance	9	Pendant luminaires	160
Binning	306	FLAT SLIM round	227	Maintenance agreement	9	ROUNDED	
C		FLAT SLIM step	229	Mandatory signs	169	Ceiling and wall luminaires	291
CADERO disca	289	G		MEGA CONE	297	Wall luminaires	292
CADERO quadra	289	General information	307	MEGA TOWER F	298	ROUNDED MAXI	295
Central power supply (CPS)	53	Grid floors	86	MEGA TUBE	299	RZB LUXIFAIR	
CENTRYXX D	137	GSUN 2	147	MEM module	109	COMPACT I	76
CENTRYXX D RZ	139	GSUN 3		Message tableau	100	COMPACT II	77
CENTRYXX IP40	181	Ceiling and wall luminaires	149	Message tableau Mikro	101	COMPACT KOMBI I	68
CENTRYXX IP65	178	Wall luminaires	150	MINISIGN	143	COMPACT KOMBI II	69
CENTRYXX W IP65	183	GSUN 4		Modbus-Gateway	108	COMPACT KOMBI II/E30	70
CENTRYXX W IP65plus	185	Ceiling and wall luminaires	153	Modules and components	93	COMPACT KOMBI III	71
Chemical Resistance	309	Wall luminaires	154	Motif foils	168	KV 2000	62
Circuit designation plates	91	GSUN 5	175	MULTIDIGIT	27	KV 2000/E30	63
Combined emergency luminaires for escape route illumination	205	GSUN 5 D	132	MULTIDIGIT air	14	RZB LUXIFAIR Master	96
Commissioning	9	GSUN 5 S	131	MULTIDIGIT plus	31	RZB LUXIFAIR	
Continuous line luminaire	6	GSUN D	129	MULTIDIGIT signal	19	QUATTRO	48
Control gear	306	GSUN S	127	MULTIDIGIT touch	19	QUATTRO E30	49
Customer Contact	324	H		MULTIDIGIT touch DALI	23	QUATTRO industry	48
D		HALYXX		N		QUATTRO light	49
DEECOS E		Wall luminaires	123	NFC	114	RZB Service+	8
Ceiling luminaires	197	Ceiling luminaires	124	P		Commissioning	9
Recessed ceiling luminaires	197	Recessed ceiling luminaires	125	PARLEDO	209	Maintenance	9
Determining the ventilation of electrical operating rooms	89	I		PGVG 200	39	Maintenance agreement	9
Drip trays	86	Icons	308	PLANADO		S	
E		IK code: Impact protection	306	Wall luminaires	141	Safety and quality	307
E-Switch	102	IOM 230	104	Ceiling and wall luminaires	245	Safety marks	307
Electrotechnical variants		IOM 24	105	K		Safety spotlights	201
		K		PLANOX	283	Safety stand spotlight	203
		KALEEA	223	PLANOX ECO	280	Self-contained monitoring systems	11
		KAM module	97	PLANOX PRO	279	Self-contained power supply systems	35
		KNX-Gateway	108	Portable safety spotlight	201	Self-contained power supply units	35
						Service life criteria	306
						SIDELITE ECO	214
						SIGNCUBE IP54	167
						SIGNCUBE midi	164
						SIGNCUBE mini	163
						SKM module	97

SMART+IP	114
SOLYXX 2	195
Stand-by luminaires for escape route illumination	171
Subdistribution board with E30 functional integrity	82
without functional integrity	81
Surge arrester DEHNguard M	109

T

TENUO	
Wall luminaires	117
Recessed wall luminaires	117
Wall extension luminaires	118
Ceiling luminaires	119
Recessed ceiling luminaires	120
Pendant luminaires	121
Terms & conditions of sale and delivery	320
Test log for emergency lighting installation	91
TOLEDO FLAT round	
Recessed downlights	262
Surface mounted downlights	269
TOLEDO FLAT square	
Recessed downlights	266
Surface mounted downlights	272
TOLEDO FLAT+ round	
Recessed downlights	250
Surface mounted downlights	256
TOLEDO FLAT+ square	
Recessed downlights	252
Surface mounted downlights	258
TRIXY round	275
TRIXY square	276
TURIA L	191
TURIA L track	193
TW 500	103
Types of protection	306

U

UE-DIM	103
UE-DIM switch	103
UE100c	102

V

VARIOPLAST I	
Wall luminaires	145
Ceiling and wall luminaires	173

W

Warning signs	169
WEB module	107

3

3-phase network monitoring	98
3-phase network monitoring module for Bus communication	99

No.	Page	No.	Page	No.	Page	No.	Page
09-6230.000	103	67000.0.95SET	88	671518.00X.1.04	125	671939.004	119
09-6302.0177	81	67000.0.96SET	88	671519.00X.1	125	671939.004.89	119
61199.009	302	67000.0.97SET	88	671519.00X.1.89	125	671940.004	120
651045.00X.1	157	67000.0.98SET	88	671722.00X.1	123	671940.004.89	120
651049.00X.1	158	67000.0.99SET	88	671722.00X.1.89	123	671942.004	121
651053.00X.1	159	671045.00X.1.04	157	671736.00X.1	124	671942.004.89	121
651057.00X.1	161	671045.00X.1.07	157	671736.00X.1.89	124	671943.004	117
651061.00X.1	157	671049.00X.1.04	158	671737.00X.1	124	671943.004.04	117
651065.00X.1	158	671049.00X.1.07	158	671737.00X.1.89	124	671943.004.07	117
651069.00X.1	159	671053.00X.1.04	159	671738.00X.1	123	671944.004	117
651073.00X.1	161	671053.00X.1.07	159	671738.00X.1.89	123	671944.004.04	117
651077.00X.1	157	671057.00X.1.04	161	671739.00X.1	125	671944.004.07	117
651081.00X.1	158	671057.00X.1.07	161	671739.00X.1.89	125	671945.004	118
651085.00X.1	159	671065.00X.1.04	158	671740.00X.1	125	671945.004.04	118
651089.00X.1	161	671065.00X.1.07	158	671740.00X.1.89	125	671945.004.07	118
651343.00X.1	160	671069.00X.1.04	159	671742.00X.1	124	671946.004	119
651347.00X.1	160	671069.00X.1.07	159	671742.00X.1.04	124	671946.004.04	119
651351.00X.1	160	671073.00X.1.04	161	671742.00X.1.07	124	671946.004.07	119
651817.002	147	671073.00X.1.07	161	671744.00X.1	124	671947.004	120
652217.00X	127	671077.00X.1.04	157	671744.00X.1.04	124	671947.004.04	120
652218.00X	127	671077.00X.1.07	157	671744.00X.1.07	124	671947.004.07	120
652219.00X	129	671081.00X.1.04	158	671746.00X.1	123	671949.004	121
652531.002	132	671081.00X.1.07	158	671746.00X.1.04	123	671949.004.04	121
652533.002	175	671085.00X.1.04	159	671746.00X.1.07	123	671949.004.07	121
67000.0.100SET	88	671085.00X.1.07	159	671748.00X.1	123	671983.00X.2	127
67000.0.101SET	88	671089.00X.1.04	161	671748.00X.1.04	123	671983.00X.2.89	127
67000.0.102SET	88	671089.00X.1.07	161	671748.00X.1.07	123	671985.00X.2	127
67000.0.103SET	88	671148.000	19	671750.00X.1	125	671985.00X.2.89	127
67000.0.104SET	88	671207.00X.1	157	671750.00X.1.04	125	671996.00X.2	129
67000.0.158SET	88	671207.00X.1.89	157	671750.00X.1.07	125	671996.00X.2.89	129
67000.0.159SET	88	671209.00X.1	158	671752.00X.1	125	672004.004	117
67000.0.168SET	88	671209.00X.1.89	158	671752.00X.1.04	125	672004.004.04	117
67000.0.181SET	88	671211.00X.1	159	671752.00X.1.07	125	672004.004.07	117
67000.0.263SET	88	671211.00X.1.89	159	671792.002.2	154	672005.004	117
67000.0.264SET	88	671213.00X.1	161	671792.002.2.04	154	672005.004.04	117
67000.0.265SET	88	671213.00X.1.89	161	671792.002.2.07	154	672005.004.07	117
67000.0.267SET	88	671217.00X.1	158	671793.002.2	154	672006.004	118
67000.0.268SET	88	671217.00X.1.89	158	671793.002.2.89	154	672006.004.04	118
67000.0.271SET	88	671229.00X.1	157	671819.002.2	153	672006.004.07	118
67000.0.272SET	88	671229.00X.1.89	157	671819.002.2.04	153	672007.004	119
67000.0.273SET	88	671231.00X.1	158	671819.002.2.07	153	672007.004.04	119
67000.0.275SET	88	671231.00X.1.89	158	671820.002.2	153	672007.004.07	119
67000.0.276SET	88	671233.00X.1	159	671820.002.2.89	153	672008.004	120
67000.0.277SET	88	671233.00X.1.89	159	671823.000	27	672008.004.04	120
67000.0.279SET	88	671235.00X.1	161	671895.00X.1	123	672008.004.07	120
67000.0.280SET	88	671235.00X.1.89	161	671895.00X.1.04	123	672010.004	121
67000.0.281SET	88	671343.00X.1.04	160	671895.00X.1.07	123	672010.004.04	121
67000.0.282SET	63	671343.00X.1.07	160	671896.00X.1	124	672010.004.07	121
67000.0.283SET	70	671347.00X.1.04	160	671896.00X.1.04	124	672029.004	119
67000.0.292SET	88	671347.00X.1.07	160	671896.00X.1.07	124	672029.004.89	119
67000.0.293SET	88	671351.00X.1.04	160	671897.00X.1	125	672030.004	120
67000.0.294SET	88	671351.00X.1.07	160	671897.00X.1.04	125	672030.004.89	120
67000.0.297SET	88	671359.00X.1	160	671897.00X.1.07	125	672032.004	121
67000.0.298SET	88	671359.00X.1.89	160	671912.00X.1	123	672032.004.89	121
67000.0.299SET	88	671367.00X.1	160	671912.00X.1.04	123	672033.004	119
67000.0.300SET	88	671367.00X.1.89	160	671912.00X.1.07	123	672033.004.04	119
67000.0.301SET	88	671501.00X.1	123	671913.00X.1	124	672033.004.07	119
67000.0.302SET	88	671501.00X.1.04	123	671913.00X.1.04	124	672034.004	120
67000.0.304SET	88	671501.00X.1.07	123	671913.00X.1.07	124	672034.004.04	120
67000.0.306SET	88	671502.00X.1	124	671914.00X.1	125	672034.004.07	120
67000.0.307SET	88	671502.00X.1.04	124	671914.00X.1.04	125	672036.004	121
67000.0.308SET	88	671502.00X.1.07	124	671914.00X.1.07	125	672036.004.04	121
67000.0.309SET	88	671503.00X.1	123	671922.004	117	672036.004.07	121
67000.0.310SET	88	671503.00X.1.89	123	671922.004.89	117	672039.004	118
67000.0.311SET	88	671504.00X.1	124	671923.004	117	672039.004.89	118
67000.0.312SET	88	671504.00X.1.89	124	671923.004.89	117	672040.004	118
67000.0.313SET	88	671518.00X.1	125	671938.004	118	672040.004.04	118
67000.0.94SET	88	671518.00X.1.07	125	671938.004.89	118	672040.004.07	118

No.	Page	No.	Page	No.	Page	No.	Page
672041.004	118	672093.002.6.04	234	672174.000	19	672226.002	262
672041.004.04	118	672093.002.6.07	234	672175.00X	145	672226.002.04	262
672041.004.07	118	672093.002.6.19	235	672175.00X.04	145	672226.002.07	262
672042.004	119	672093.002.7	232	672175.00X.07	145	672226.002.1	262
672042.004.04	119	672093.002.7.04	232	672176.00X.1	173	672226.002.1.04	262
672042.004.07	119	672093.002.7.07	232	672176.00X.1.04	173	672226.002.1.07	262
672043.004	120	672093.002.7.19	235	672176.00X.1.07	173	672227.002	262
672043.004.04	120	672093.002.8	234	672181.00X.1	173	672227.002.04	262
672043.004.07	120	672093.002.8.04	234	672181.00X.1.04	173	672227.002.07	262
672056.002.5	239	672093.002.8.07	234	672181.00X.1.07	173	672227.002.1	262
672056.002.5.89	239	672093.002.8.19	235	672182.00X	173	672227.002.1.04	262
672056.002.6	241	672126.00X	145	672182.00X.89	173	672227.002.1.07	262
672056.002.6.89	241	672126.00X.04	145	672188.002	143	672228.002	263
672056.002.7	239	672126.00X.07	145	672188.002.04	143	672228.002.1	263
672056.002.7.89	239	672128.00X	145	672188.002.07	143	672228.002.1.89	263
672056.002.8	241	672128.00X.89	145	672189.002	143	672228.002.89	263
672056.002.8.89	241	672133.002.5	238	672189.002.04	143	672229.002	263
672057.002.5	239	672133.002.5.04	238	672189.002.07	143	672229.002.1	263
672057.002.5.89	239	672133.002.5.07	238	672190.002	143	672229.002.1.89	263
672057.002.6	241	672133.002.5.19	242	672190.002.89	143	672229.002.89	263
672057.002.6.89	241	672133.002.6	240	672196.009	203	672230.002	263
672057.002.7	239	672133.002.6.04	240	672197.009	203	672230.002.1	263
672057.002.7.89	239	672133.002.6.07	240	672217.00X.1.04	127	672230.002.1.89	263
672057.002.8	241	672133.002.6.19	242	672217.00X.1.07	127	672230.002.89	263
672057.002.8.89	241	672133.002.7	238	672217.00X.2.04	127	672231.002	263
672058.002.5.1	238	672133.002.7.04	238	672217.00X.2.07	127	672231.002.1	263
672058.002.5.1.04	238	672133.002.7.07	238	672218.00X.1.04	127	672231.002.1.89	263
672058.002.5.1.07	238	672133.002.7.19	242	672218.00X.1.07	127	672231.002.89	263
672058.002.7.1	238	672133.002.8	240	672219.00X.1.04	129	672232.009	41
672058.002.7.1.04	238	672133.002.8.04	240	672219.00X.1.07	129	672232.009.04	41
672058.002.7.1.07	238	672133.002.8.07	240	672219.00X.2.04	129	672232.009.07	41
672059.002.5	238	672133.002.8.19	242	672219.00X.2.07	129	672233.002	266
672059.002.5.04	238	672134.002.5.1.19	242	672220.002	262	672233.002.04	266
672059.002.5.07	238	672134.002.6.1.19	242	672220.002.04	262	672233.002.07	266
672059.002.5.19	242	672134.002.7.1.19	242	672220.002.07	262	672233.002.1	266
672059.002.6	240	672134.002.8.1.19	242	672220.002.1	262	672233.002.1.04	266
672059.002.6.04	240	672139.99X	185	672220.002.1.04	262	672233.002.1.07	266
672059.002.6.07	240	672141.99X	185	672220.002.1.07	262	672234.002	266
672059.002.6.19	242	672164.002	137	672221.002	262	672234.002.04	266
672059.002.7	238	672164.002.89	137	672221.002.04	262	672234.002.07	266
672059.002.7.04	238	672165.002	137	672221.002.07	262	672234.002.1	266
672059.002.7.07	238	672165.002.04	137	672221.002.1	262	672234.002.1.04	266
672059.002.7.19	242	672165.002.07	137	672221.002.1.04	262	672234.002.1.07	266
672059.002.8	240	672170.00X	178	672221.002.1.07	262	672235.002	266
672059.002.8.04	240	672170.00X.04	178	672222.002	262	672235.002.04	266
672059.002.8.07	240	672170.00X.07	178	672222.002.04	262	672235.002.07	266
672059.002.8.19	242	672170.00X.1	178	672222.002.07	262	672235.002.1	266
672092.002.5.1	232	672170.00X.1.04	178	672222.002.1	262	672235.002.1.04	266
672092.002.5.1.04	232	672170.00X.1.07	178	672222.002.1.04	262	672235.002.1.07	266
672092.002.5.1.07	232	672170.00X.2	178	672222.002.1.07	262	672236.002	266
672092.002.5.1.19	235	672170.00X.2.04	178	672223.002	262	672236.002.04	266
672092.002.6.1	234	672170.00X.2.07	178	672223.002.04	262	672236.002.07	266
672092.002.6.1.04	234	672170.00X.3	178	672223.002.07	262	672236.002.1	266
672092.002.6.1.07	234	672170.00X.3.04	178	672223.002.1	262	672236.002.1.04	266
672092.002.6.1.19	235	672170.00X.3.07	178	672223.002.1.04	262	672236.002.1.07	266
672092.002.7.1	232	672170.00X.4	178	672223.002.1.07	262	672237.002	266
672092.002.7.1.04	232	672170.00X.4.04	178	672224.002	262	672237.002.04	266
672092.002.7.1.07	232	672170.00X.4.07	178	672224.002.04	262	672237.002.07	266
672092.002.7.1.19	235	672171.00X	178	672224.002.07	262	672237.002.1	266
672092.002.8.1	234	672171.00X.1	178	672224.002.1	262	672237.002.1.04	266
672092.002.8.1.04	234	672171.00X.1.89	178	672224.002.1.04	262	672237.002.1.07	266
672092.002.8.1.07	234	672171.00X.2	178	672224.002.1.07	262	672238.002	266
672092.002.8.1.19	235	672171.00X.2.89	178	672225.002	262	672238.002.04	266
672093.002.5	232	672171.00X.3	178	672225.002.04	262	672238.002.07	266
672093.002.5.04	232	672171.00X.3.89	178	672225.002.07	262	672238.002.1	266
672093.002.5.07	232	672171.00X.4	178	672225.002.1	262	672238.002.1.04	266
672093.002.5.19	235	672171.00X.4.89	178	672225.002.1.04	262	672238.002.1.07	266
672093.002.6	234	672171.00X.89	178	672225.002.1.07	262	672239.002	266

No.	Page	No.	Page	No.	Page	No.	Page
672239.002.04	266	672268.002	272	672282.00X	178	672335.002.2.89	241
672239.002.07	266	672268.002.1	272	672282.00X.04	178	672335.002.3	239
672239.002.1	266	672268.002.1.89	272	672282.00X.07	178	672335.002.3.89	239
672239.002.1.04	266	672268.002.89	272	672282.00X.1	178	672335.002.4	241
672239.002.1.07	266	672269.002	272	672282.00X.1.04	178	672335.002.4.89	241
672240.002	266	672269.002.1	272	672282.00X.1.07	178	672338.004	167
672240.002.04	266	672269.002.1.89	272	672290.002	270	672338.004.04	167
672240.002.07	266	672269.002.89	272	672290.002.1	270	672338.004.07	167
672240.002.1	266	672271.002	269	672290.002.1.89	270	672343.002.5	233
672240.002.1.04	266	672271.002.04	269	672290.002.89	270	672343.002.5.89	233
672240.002.1.07	266	672271.002.07	269	672291.002	163	672343.002.6	234
672241.002	267	672271.002.1	269	672291.002.89	163	672343.002.6.89	234
672241.002.1	267	672271.002.1.04	269	672292.002	163	672343.002.7	233
672241.002.1.89	267	672271.002.1.07	269	672292.002.04	163	672343.002.7.89	233
672241.002.89	267	672272.002	269	672292.002.07	163	672343.002.8	234
672242.002	267	672272.002.04	269	672293.002	163	672343.002.8.89	234
672242.002.1	267	672272.002.07	269	672293.002.04	163	672344.002.5	233
672242.002.1.89	267	672272.002.1	269	672293.002.07	163	672344.002.5.89	233
672242.002.89	267	672272.002.1.04	269	672294.00X	178	672344.002.6	234
672243.002	267	672272.002.1.07	269	672294.00X.1	178	672344.002.6.89	234
672243.002.1	267	672273.002	269	672294.00X.1.89	178	672344.002.7	233
672243.002.1.89	267	672273.002.04	269	672294.00X.89	178	672344.002.7.89	233
672243.002.89	267	672273.002.07	269	672295.00X	289	672344.002.8	234
672244.002	267	672273.002.1	269	672295.00X.1	289	672344.002.8.89	234
672244.002.1	267	672273.002.1.04	269	672297.00X	295	672348.002	270
672244.002.1.89	267	672273.002.1.07	269	672297.00X.1	295	672348.002.1	270
672244.002.89	267	672274.002	269	672297.00X.1.89	295	672348.002.1.89	270
672250.002	139	672274.002.04	269	672297.00X.89	295	672348.002.89	270
672259.002	272	672274.002.07	269	672298.00X	295	672349.002	271
672259.002.1	272	672274.002.1	269	672298.00X.1	295	672349.002.1	271
672259.002.1.89	272	672274.002.1.04	269	672298.00X.1.89	295	672349.002.1.89	271
672259.002.89	272	672274.002.1.07	269	672298.00X.89	295	672349.002.89	271
672260.002	238	672275.002	272	672299.002	164	672350.002	269
672260.002.04	238	672275.002.04	272	672299.002.89	164	672350.002.04	269
672260.002.07	238	672275.002.07	272	672300.002.1	164	672350.002.07	269
672260.002.1	238	672275.002.1	272	672300.002.1.04	164	672350.002.1	269
672260.002.1.04	238	672275.002.1.04	272	672300.002.1.07	164	672350.002.1.04	269
672260.002.1.07	238	672275.002.1.07	272	672302.002	183	672350.002.1.07	269
672260.002.6	240	672276.002	272	672302.002.04	183	672351.002	269
672260.002.6.04	240	672276.002.04	272	672302.002.07	183	672351.002.04	269
672260.002.6.07	240	672276.002.07	272	672302.002.1	183	672351.002.07	269
672260.002.8	240	672276.002.1	272	672302.002.1.04	183	672351.002.1	269
672260.002.8.04	240	672276.002.1.04	272	672302.002.1.07	183	672351.002.1.04	269
672260.002.8.07	240	672276.002.1.07	272	672303.002	183	672351.002.1.07	269
672261.002	238	672277.002	272	672303.002.04	183	672352.002	271
672261.002.04	238	672277.002.04	272	672303.002.07	183	672352.002.04	271
672261.002.07	238	672277.002.07	272	672303.002.1	183	672352.002.07	271
672261.002.1	238	672277.002.1	272	672303.002.1.04	183	672352.002.1	271
672261.002.1.04	238	672277.002.1.04	272	672303.002.1.07	183	672352.002.1.04	271
672261.002.1.07	238	672277.002.1.07	272	672304.002	183	672352.002.1.07	271
672261.002.6	240	672278.002	272	672304.002.1	183	672353.002	271
672261.002.6.04	240	672278.002.04	272	672304.002.1.89	183	672353.002.04	271
672261.002.6.07	240	672278.002.07	272	672304.002.89	183	672353.002.07	271
672261.002.8	240	672278.002.1	272	672305.002	183	672353.002.1	271
672261.002.8.04	240	672278.002.1.04	272	672305.002.1	183	672353.002.1.04	271
672261.002.8.07	240	672278.002.1.07	272	672305.002.1.89	183	672353.002.1.07	271
672262.002	239	672279.002	270	672305.002.89	183	672354.004	167
672262.002.1	239	672279.002.1	270	672306.00X	299	672354.004.89	167
672262.002.1.89	239	672279.002.1.89	270	672306.00X.1	299	672355.002	214
672262.002.6	241	672279.002.89	270	672306.00X.1.89	299	672355.002.1	214
672262.002.6.89	241	672280.002	270	672306.00X.89	299	672355.002.1.89	214
672262.002.8	241	672280.002.1	270	672317.003	201	672355.002.89	214
672262.002.8.89	241	672280.002.1.89	270	672318.002	279	672356.002	214
672262.002.89	239	672280.002.89	270	672319.002	279	672356.002.04	214
672267.002	272	672281.002	270	672320.002	279	672356.002.07	214
672267.002.1	272	672281.002.1	270	672335.002.1	239	672356.002.1	214
672267.002.1.89	272	672281.002.1.89	270	672335.002.1.89	239	672356.002.1.04	214
672267.002.89	272	672281.002.89	270	672335.002.2	241	672356.002.1.07	214

No.	Page	No.	Page	No.	Page	No.	Page
672357.002	214	672369.002.1.04	218	672383.002	265	672396.002.1.89	233
672357.002.04	214	672369.002.1.07	218	672383.002.04	265	672396.002.89	233
672357.002.07	214	672370.002	218	672383.002.07	265	672397.002	233
672357.002.1	214	672370.002.1	218	672383.002.1	265	672397.002.1	233
672357.002.1.04	214	672370.002.1.89	218	672383.002.1.04	265	672397.002.1.89	233
672357.002.1.07	214	672370.002.89	218	672383.002.1.07	265	672397.002.89	233
672358.002	214	672371.002	218	672384.002	263	672399.002.5	233
672358.002.1	214	672371.002.04	218	672384.002.04	263	672399.002.5.89	233
672358.002.1.89	214	672371.002.07	218	672384.002.07	263	672399.002.6	234
672358.002.89	214	672371.002.1	218	672384.002.1	263	672399.002.6.89	234
672359.002	214	672371.002.1.04	218	672384.002.1.04	263	672399.002.7	233
672359.002.04	214	672371.002.1.07	218	672384.002.1.07	263	672399.002.7.89	233
672359.002.07	214	672372.002	218	672385.002	263	672399.002.8	234
672359.002.1	214	672372.002.04	218	672385.002.04	263	672399.002.8.89	234
672359.002.1.04	214	672372.002.07	218	672385.002.07	263	672400.002	135
672359.002.1.07	214	672372.002.1	218	672385.002.1	263	672401.002	238
672360.002	214	672372.002.1.04	218	672385.002.1.04	263	672401.002.04	238
672360.002.04	214	672372.002.1.07	218	672385.002.1.07	263	672401.002.07	238
672360.002.07	214	672373.002	220	672386.002	238	672401.002.1	238
672360.002.1	214	672373.002.1	220	672386.002.04	238	672401.002.1.04	238
672360.002.1.04	214	672373.002.1.89	220	672386.002.07	238	672401.002.1.07	238
672360.002.1.07	214	672373.002.89	220	672386.002.1	238	672401.002.2	240
672361.002	216	672374.002	220	672386.002.1.04	238	672401.002.2.04	240
672361.002.1	216	672374.002.04	220	672386.002.1.07	238	672401.002.2.07	240
672361.002.1.89	216	672374.002.07	220	672386.002.6	240	672401.002.4	240
672361.002.89	216	672374.002.1	220	672386.002.6.04	240	672401.002.4.04	240
672362.002	216	672374.002.1.04	220	672386.002.6.07	240	672401.002.4.07	240
672362.002.04	216	672374.002.1.07	220	672386.002.8	240	672402.002	232
672362.002.07	216	672375.002	220	672386.002.8.04	240	672402.002.04	232
672362.002.1	216	672375.002.04	220	672386.002.8.07	240	672402.002.07	232
672362.002.1.04	216	672375.002.07	220	672387.002	232	672402.002.1	232
672362.002.1.07	216	672375.002.1	220	672387.002.04	232	672402.002.1.04	232
672363.002	216	672375.002.1.04	220	672387.002.07	232	672402.002.1.07	232
672363.002.04	216	672375.002.1.07	220	672387.002.1	232	672402.002.2	234
672363.002.07	216	672376.002	220	672387.002.1.04	232	672402.002.4	234
672363.002.1	216	672376.002.1	220	672387.002.1.07	232	672411.00X	191
672363.002.1.04	216	672376.002.1.89	220	672387.002.6	234	672411.00X.89	191
672363.002.1.07	216	672376.002.89	220	672387.002.6.04	234	672412.00X	191
672364.002	216	672377.002	220	672387.002.6.07	234	672412.00X.04	191
672364.002.1	216	672377.002.04	220	672387.002.8	234	672412.00X.07	191
672364.002.1.89	216	672377.002.07	220	672387.002.8.04	234	672413.00X	191
672364.002.89	216	672377.002.1	220	672387.002.8.07	234	672413.00X.04	191
672365.002	216	672377.002.1.04	220	672388.002	239	672413.00X.07	191
672365.002.04	216	672377.002.1.07	220	672388.002.1	239	672414.00X	191
672365.002.07	216	672378.002	220	672388.002.1.89	239	672414.00X.89	191
672365.002.1	216	672378.002.04	220	672388.002.6	241	672415.00X	191
672365.002.1.04	216	672378.002.07	220	672388.002.6.89	241	672415.00X.04	191
672365.002.1.07	216	672378.002.1	220	672388.002.8	241	672415.00X.07	191
672366.002	216	672378.002.1.04	220	672388.002.8.89	241	672416.00X	191
672366.002.04	216	672378.002.1.07	220	672388.002.89	239	672416.00X.04	191
672366.002.07	216	672379.002	265	672392.002	233	672416.00X.07	191
672366.002.1	216	672379.002.1	265	672392.002.1	233	672420.002	135
672366.002.1.04	216	672379.002.1.89	265	672392.002.1.89	233	672421.002	239
672366.002.1.07	216	672379.002.89	265	672392.002.6	234	672421.002.1	239
672367.002	218	672380.002	263	672392.002.6.89	234	672421.002.1.89	239
672367.002.1	218	672380.002.1	263	672392.002.8	234	672421.002.2	241
672367.002.1.89	218	672380.002.1.89	263	672392.002.8.89	234	672421.002.2.89	241
672367.002.89	218	672380.002.89	263	672392.002.89	233	672421.002.4	241
672368.002	218	672381.002.1	239	672395.002	239	672421.002.4.89	241
672368.002.04	218	672381.002.1.89	239	672395.002.1	239	672421.002.89	239
672368.002.07	218	672381.002.3	239	672395.002.1.89	239	672423.002.1	239
672368.002.1	218	672381.002.3.89	239	672395.002.2	241	672423.002.2	241
672368.002.1.04	218	672382.002	265	672395.002.2.89	241	672423.002.3	239
672368.002.1.07	218	672382.002.04	265	672395.002.4	241	672423.002.4	241
672369.002	218	672382.002.07	265	672395.002.4.89	241	672425.002.5	239
672369.002.04	218	672382.002.1	265	672395.002.89	239	672425.002.5.89	239
672369.002.07	218	672382.002.1.04	265	672396.002	233	672425.002.6	241
672369.002.1	218	672382.002.1.07	265	672396.002.1	233	672425.002.6.89	241

No.	Page	No.	Page	No.	Page	No.	Page
672425.002.7	239	672520.002.07	149	672550.00X.1.89	298	672587.002	275
672425.002.7.89	239	672521.002	149	672550.00X.89	298	672587.002.04	275
672425.002.8	241	672521.002.04	149	672551.00X	297	672587.002.07	275
672425.002.8.89	241	672521.002.07	149	672551.00X.1	297	672588.002	275
672435.002.5	232	672522.002	149	672551.00X.1.89	297	672588.002.04	275
672435.002.5.04	232	672522.002.89	149	672551.00X.89	297	672588.002.07	275
672435.002.5.07	232	672524.002	197	672557.002.1	209	672589.002	275
672435.002.5.19	235	672524.002.07	197	672557.002.1.04	209	672589.002.1	275
672435.002.6	234	672524.002.1	197	672557.002.1.07	209	672589.002.1.89	275
672435.002.6.04	234	672524.002.1.07	197	672558.002.1	209	672589.002.89	275
672435.002.6.07	234	672525.002	197	672558.002.1.04	209	672590.002	276
672435.002.6.19	235	672525.002.1	197	672558.002.1.07	209	672590.002.04	276
672435.002.7	232	672525.002.1.89	197	672559.002.1	210	672590.002.07	276
672435.002.7.04	232	672525.002.89	197	672559.002.1.04	210	672591.002	276
672435.002.7.07	232	672526.00X	188	672559.002.1.07	210	672591.002.04	276
672435.002.7.19	235	672526.00X.04	188	672560.002.1	210	672591.002.07	276
672435.002.8	234	672526.00X.07	188	672560.002.1.04	210	672592.002	276
672435.002.8.04	234	672526.00X.F1	188	672560.002.1.07	210	672592.002.1	276
672435.002.8.07	234	672527.00X	187	672561.00X	191	672592.002.1.89	276
672435.002.8.19	235	672527.00X.04	187	672561.00X.04	191	672592.002.89	276
672457.00X.1	123	672527.00X.07	187	672561.00X.07	191	672593.002	276
672457.00X.1.04	123	672527.00X.F1	187	672562.00X	191	672593.002.04	276
672457.00X.1.07	123	672528.00X	188	672562.00X.89	191	672593.002.07	276
672458.00X.1	124	672528.00X.89	188	672564.002.1	209	672594.002	276
672458.00X.1.04	124	672529.00X	187	672564.002.1.89	209	672594.002.04	276
672458.00X.1.07	124	672529.00X.89	187	672565.002.1	209	672594.002.07	276
672459.00X.1	125	672531.002.04	132	672565.002.1.89	209	672595.002	276
672459.00X.1.04	125	672531.002.07	132	672566.002.1	209	672595.002.1	276
672459.00X.1.07	125	672531.002.F1	132	672566.002.1.89	209	672595.002.1.89	276
672478.002	232	672532.002	132	672567.002.1	209	672595.002.89	276
672478.002.04	232	672532.002.89	132	672567.002.1.89	209	672596.009	284
672478.002.07	232	672533.002.04	175	672568.002.1	210	672596.009.1	283
672478.002.1	232	672533.002.07	175	672568.002.1.89	210	672596.009.1.89	283
672478.002.1.04	232	672533.002.F1	175	672569.002.1	210	672596.009.89	284
672478.002.1.07	232	672534.002	175	672569.002.1.89	210	672597.009	284
672479.002.1	238	672534.002.89	175	672570.002.1	210	672597.009.1	283
672479.002.1.04	238	672538.002.1	223	672570.002.1.89	210	672597.009.1.89	283
672479.002.1.07	238	672538.002.1.04	223	672571.002.1	210	672597.009.89	284
672479.002.3	238	672538.002.1.07	223	672571.002.1.89	210	672598.009	284
672479.002.3.04	238	672539.002.1	223	672572.002	195	672598.009.04	284
672479.002.3.07	238	672539.002.1.04	223	672573.009	281	672598.009.07	284
672501.002	197	672539.002.1.07	223	672573.009.04	281	672598.009.1	283
672501.002.07	197	672540.002.1	223	672573.009.07	281	672598.009.1.04	283
672501.002.1	197	672540.002.1.89	223	672575.009	281	672598.009.1.07	283
672501.002.1.07	197	672541.002.1	223	672576.009	281	672599.009	284
672502.002	197	672541.002.1.89	223	672576.009.04	281	672599.009.1	283
672502.002.1	197	672542.002.1	224	672576.009.07	281	672599.009.1.89	283
672502.002.1.89	197	672542.002.1.04	224	672578.009	281	672599.009.89	284
672502.002.89	197	672542.002.1.07	224	672579.009	281	672600.009	284
672505.00X	299	672543.002.1	224	672579.009.04	281	672600.009.1	283
672505.00X.1	299	672543.002.1.04	224	672579.009.07	281	672600.009.1.89	283
672505.00X.1.89	299	672543.002.1.07	224	672581.009	281	672600.009.89	284
672505.00X.89	299	672544.002.1	224	672582.00X	181	672601.009	284
672511.000	23	672544.002.1.89	224	672582.00X.04	181	672601.009.04	284
672513.00X	193	672545.002.1	224	672582.00X.07	181	672601.009.07	284
672513.00X.07	193	672545.002.1.89	224	672582.00X.F1	181	672601.009.1	283
672515.00X	193	672546.00X	185	672583.00X	181	672601.009.1.04	283
672515.00X.07	193	672546.00X.04	185	672583.00X.89	181	672601.009.1.07	283
672517.002	150	672546.00X.07	185	672584.002	275	672602.009	284
672517.002.04	150	672547.00X	185	672584.002.04	275	672602.009.1	283
672517.002.07	150	672547.00X.89	185	672584.002.07	275	672602.009.1.89	283
672518.002	150	672548.00X	185	672585.002	275	672602.009.89	284
672518.002.04	150	672548.00X.04	185	672585.002.04	275	672603.009	284
672518.002.07	150	672548.00X.07	185	672585.002.07	275	672603.009.1	283
672519.002	150	672549.00X	185	672586.002	275	672603.009.1.89	283
672519.002.89	150	672549.00X.89	185	672586.002.1	275	672603.009.89	284
672520.002	149	672550.00X	298	672586.002.1.89	275	672604.002.04	132
672520.002.04	149	672550.00X.1	298	672586.002.89	275	672604.002.07	132

No.	Page	No.	Page	No.	Page	No.	Page
672604.002.F1	132	672648.00X.04	227	672705.00X.89	289	672740.002	251
672609.002	246	672648.00X.07	227	672708.00X.1.04	157	672740.002.04	251
672609.002.89	246	672649.00X	227	672708.00X.1.07	157	672740.002.07	251
672610.002	245	672649.00X.04	227	672709.00X.1	157	672744.002	252
672610.002.89	245	672649.00X.07	227	672709.00X.1.89	157	672744.002.89	252
672611.002	141	672650.00X	227	672710.00X.1	159	672745.002	252
672611.002.89	141	672650.00X.89	227	672710.00X.1.89	159	672745.002.89	252
672612.002	141	672653.00X.1	228	672711.00X.1	161	672746.002	252
672612.002.89	141	672653.00X.1.04	228	672711.00X.1.89	161	672746.002.04	252
672613.002	246	672653.00X.1.07	228	672712.00X.1	160	672746.002.07	252
672613.002.04	246	672654.00X.1	228	672712.00X.1.89	160	672747.002	252
672613.002.07	246	672654.00X.1.04	228	672717.002	250	672747.002.04	252
672614.002	246	672654.00X.1.07	228	672717.002.89	250	672747.002.07	252
672614.002.04	246	672655.00X.1	228	672718.002	250	672748.002	253
672614.002.07	246	672655.00X.1.89	228	672718.002.89	250	672748.002.89	253
672615.002	245	672657.00X	227	672719.002	250	672749.002	253
672615.002.04	245	672657.00X.04	227	672719.002.04	250	672749.002.89	253
672615.002.07	245	672657.00X.07	227	672719.002.07	250	672750.002	253
672616.002	245	672657.00X.1	228	672720.002	250	672750.002.04	253
672616.002.04	245	672657.00X.1.04	228	672720.002.04	250	672750.002.07	253
672616.002.07	245	672657.00X.1.07	228	672720.002.07	250	672751.002	253
672617.002	141	672658.00X	227	672721.002	251	672751.002.04	253
672617.002.04	141	672658.00X.04	227	672721.002.89	251	672751.002.07	253
672617.002.07	141	672658.00X.07	227	672722.002	251	672752.002	252
672618.002	141	672658.00X.1	228	672722.002.89	251	672752.002.89	252
672618.002.04	141	672658.00X.1.04	228	672723.002	251	672753.002	252
672618.002.07	141	672658.00X.1.07	228	672723.002.04	251	672753.002.89	252
672619.002	141	672659.00X	227	672723.002.07	251	672754.002	252
672619.002.04	141	672659.00X.1	228	672724.002	251	672754.002.04	252
672619.002.07	141	672659.00X.1.89	228	672724.002.04	251	672754.002.07	252
672620.002	141	672659.00X.89	227	672724.002.07	251	672755.002	252
672620.002.04	141	672662.00X.1	228	672725.002	250	672755.002.04	252
672620.002.07	141	672662.00X.1.04	228	672725.002.89	250	672755.002.07	252
672624.002	246	672662.00X.1.07	228	672726.002	250	672756.002	253
672624.002.1	246	672663.00X.1	228	672726.002.89	250	672756.002.89	253
672624.002.1.89	246	672663.00X.1.04	228	672727.002	250	672757.002	253
672624.002.89	246	672663.00X.1.07	228	672727.002.04	250	672757.002.89	253
672625.002	245	672664.00X.1	228	672727.002.07	250	672758.002	253
672625.002.1	245	672664.00X.1.89	228	672728.002	250	672758.002.04	253
672625.002.1.89	245	672669.00X	229	672728.002.04	250	672758.002.07	253
672625.002.89	245	672669.00X.04	229	672728.002.07	250	672759.002	253
672626.002	246	672669.00X.07	229	672729.002	251	672759.002.04	253
672626.002.04	246	672670.00X	229	672729.002.89	251	672759.002.07	253
672626.002.07	246	672670.00X.04	229	672730.002	251	672764.002	256
672626.002.1	246	672670.00X.07	229	672730.002.89	251	672764.002.89	256
672626.002.1.04	246	672671.00X	229	672731.002	251	672765.002	256
672626.002.1.07	246	672671.00X.89	229	672731.002.04	251	672765.002.89	256
672627.002	246	672673.00X	229	672731.002.07	251	672766.002	256
672627.002.04	246	672673.00X.04	229	672732.002	251	672766.002.04	256
672627.002.07	246	672673.00X.07	229	672732.002.04	251	672766.002.07	256
672627.002.1	246	672674.00X	229	672732.002.07	251	672767.002	256
672627.002.1.04	246	672674.00X.04	229	672733.002	250	672767.002.04	256
672627.002.1.07	246	672674.00X.07	229	672733.002.89	250	672767.002.07	256
672628.002	245	672675.00X	229	672734.002	250	672768.002	257
672628.002.04	245	672675.00X.89	229	672734.002.89	250	672768.002.89	257
672628.002.07	245	672693.00X	291	672735.002	250	672769.002	257
672628.002.1	245	672693.00X.89	291	672735.002.04	250	672769.002.89	257
672628.002.1.04	245	672695.00X	292	672735.002.07	250	672770.002	257
672628.002.1.07	245	672695.00X.89	292	672736.002	250	672770.002.04	257
672629.002	245	672697.00X	291	672736.002.04	250	672770.002.07	257
672629.002.04	245	672697.00X.89	291	672736.002.07	250	672771.002	257
672629.002.07	245	672699.00X	291	672737.002	251	672771.002.04	257
672629.002.1	245	672699.00X.89	291	672737.002.89	251	672771.002.07	257
672629.002.1.04	245	672701.00X	292	672738.002	251	672772.002	256
672629.002.1.07	245	672701.00X.89	292	672738.002.89	251	672772.002.89	256
672638.002	199	672703.00X	291	672739.002	251	672773.002	256
672639.002	199	672703.00X.89	291	672739.002.04	251	672773.002.89	256
672648.00X	227	672705.00X	289	672739.002.07	251	672774.002	256

No.	Page	No.	Page	No.	Page	No.	Page
672774.002.04	256	672801.002.89	259	981780.00X.1	127	982791.00X	187
672774.002.07	256	672802.002	259	981797.00X.1	127	982792.002	181
672775.002	256	672802.002.04	259	981811.002	103	982848.002	102
672775.002.04	256	672802.002.07	259	981883.00X.1	127	982872.00X	127
672775.002.07	256	672803.002	259	981884.00X.1	127	982872.00X.07	127
672776.002	257	672803.002.04	259	981935.000	31	982949.00X	181
672776.002.89	257	672803.002.07	259	981941.012	215	982954.002	181
672777.002	257	672839.002	132	981942.012	217	982974.003	302
672777.002.89	257	672839.002.04	132	981978.010	215	982977.003	302
672778.002	257	672839.002.07	132	981979.020	217	982978.00X	301
672778.002.04	257	672839.002.F1	132	981979.030	221	982983.000	301
672778.002.07	257	672840.002	132	982035.022	219	983066.000	281
672779.002	257	672840.002.89	132	982049.000	303	983086.000	181
672779.002.04	257	672841.002	131	982049.00X	303	983100.000	149
672779.002.07	257	672841.002.04	131	982050.000	303	983101.002	149
672780.002	256	672841.002.07	131	982050.00X	303	983117.00X	301
672780.002.89	256	672841.002.F1	131	982058.000	303	983164.00X	301
672781.002	256	672842.002	131	982058.0031	303	983172.000	181
672781.002.89	256	672842.002.89	131	982086.000	303	985271	96
672782.002	256	672847.00X	301	982086.0031	303	985272	97
672782.002.04	256	672847.00X.1	301	982092.000	303	985402.1	100
672782.002.07	256	672848.00X	301	982093.000	303	985474	101
672783.002	256	672848.00X.1	301	982103.000	297	985481	62
672783.002.04	256	672849.00X	301	982106.012	219	985482	62
672783.002.07	256	672849.00X.1	301	982182.002	263	985483	62
672784.002	257	90-4164.002	153	982183.002	263	985484	62
672784.002.89	257	981144.002.1	149	982187.032	215	985485	62
672785.002	257	981167.002	147	982187.042	215	985487	106
672785.002.89	257	981168.002	157	982190.042	219	985497	81
672786.002	257	981352.002	102	982190.052	219	985526	106
672786.002.04	257	981485.002	153	982195.002	173	985533	48
672786.002.07	257	981502.000	39	982224.00X.1	129	985534	48
672787.002	257	981502.000.04	39	982257.002	179	985535	48
672787.002.04	257	981502.000.07	39	982274.002	137	985536	48
672787.002.07	257	981504.000	39	982292.022	217	985540	90
672788.002	258	981504.000.04	39	982292.032	217	985541	48
672788.002.89	258	981504.000.07	39	982295.032	221	985542	48
672789.002	258	981506.000	39	982295.042	221	985543	101
672789.002.89	258	981506.000.04	39	982341.002	139	985558	97
672790.002	258	981506.000.07	39	982354.002	173	985578	91
672790.002.04	258	981508.000	39	982410.003	295	985578.1	91
672790.002.07	258	981508.000.04	39	982413.002	164	985619	63
672791.002	258	981508.000.07	39	982414.002	164	985637	63
672791.002.04	258	981510.000	39	982415.002	164	985638	63
672791.002.07	258	981510.000.04	39	982416.002	164	985639	63
672792.002	259	981510.000.07	39	982416.002.04	164	985640	63
672792.002.89	259	981512.000	39	982416.002.07	164	985641	63
672793.002	259	981512.000.04	39	982423.002	163	985652	68
672793.002.89	259	981512.000.07	39	982424.002	163	985653	68
672794.002	259	981581.004	124	982425.002	139	985654	68
672794.002.04	259	981583.002	153	982425.002.04	163	985655	68
672794.002.07	259	981639.010	124	982425.002.07	163	985656	68
672795.002	259	981639.020	124	982460.0031	19	985657	68
672795.002.04	259	981639.040	124	982477.014	145	985658	68
672795.002.07	259	981639.060	124	982524.00X	303	985659	69
672796.002	258	981640.004	124	982560.002	167	985660	69
672796.002.89	258	981647.000	124	982561.000	167	985661	69
672797.002	258	981647.010	124	982562.000	301	985662	69
672797.002.89	258	981647.020	124	982588.000	302	985663	69
672798.002	258	981647.040	124	982588.00X	302	985664	69
672798.002.04	258	981685.000	125	982589.000	302	985665	69
672798.002.07	258	981686.000	125	982589.00X	302	985666	69
672799.002	258	981687.000	125	982590.000	302	985667	69
672799.002.04	258	981701.004	124	982590.00X	302	985668	69
672799.002.07	258	981702.004	124	982638.003	302	985669	69
672800.002	259	981777.01X.1	127	982763.000	124	985670	69
672800.002.89	259	981777.03X.1	127	982772.004.37	19	985671	70
672801.002	259	981779.00X.1	127	982790.00X	187	985672	70

No.	Page	No.	Page	No.	Page	No.	Page
985673	70	985751	85	985819	87	985889	87
985674	70	985752	85	985820	87	985890	87
985675	70	985753	85	985821	87	985899	49
985676	70	985754	85	985822	85	991129.03	127
985677	70	985755	85	985823	86	991130.04	129
985678	70	985756	85	985824	86	99350.3	91
985679	70	985757	85	985825	86	99351	91
985680	70	985758	85	985826	86		
985681	70	985759	85	985827	86		
985682	70	985760	85	985828	86		
985683	71	985761	81	985829	86		
985684	71	985762	81	985830	86		
985685	71	985763	81	985831	86		
985686	71	985764	81	985832	86		
985687	71	985765	81	985833	86		
985688	71	985766	81	985834	85		
985689	71	985767	81	985835	85		
985690	71	985768	81	985836	85		
985691	71	985769	81	985837	85		
985692	71	985770	81	985838	85		
985693	71	985771	81	985839	68		
985694	71	985772	81	985840	69		
985695	71	985773	81	985841	76		
985696	71	985774	81	985842	109		
985697	76	985775	81	985843	105		
985698	76	985776	81	985844	104		
985699	76	985777	82	985845	105		
985700	76	985778	82	985846	104		
985701	76	985779	82	985847	62		
985702	76	985780	82	985848	62		
985703	76	985781	82	985849	107		
985704	76	985782	82	985850	109		
985705	76	985783	82	985851	108		
985706	76	985784	82	985852	108		
985707	76	985785	82	985853	108		
985708	76	985786	82	985854	62		
985709	76	985787	82	985855	70		
985710	76	985788	82	985856	77		
985711	76	985789	82	985857	76		
985712	77	985790	82	985858	76		
985713	77	985791	82	985860	68		
985714	77	985792	82	985861	76		
985715	77	985793	86	985862	76		
985716	77	985794	86	985863	68		
985717	77	985795	86	985865	48		
985718	77	985796	86	985866	48		
985719	77	985797	86	985867	48		
985720	77	985798	86	985868	48		
985721	77	985799	86	985869	48		
985722	77	985800	86	985870	48		
985723	77	985801	87	985871	48		
985724	77	985802	87	985872	48		
985725	77	985803	87	985873	48		
985726	77	985804	87	985874	49		
985727	77	985805	87	985875	49		
985728	77	985806	87	985876	49		
985729	77	985807	87	985877	49		
985731	85	985808	87	985878	49		
985732	85	985809	87	985879	49		
985735	85	985810	87	985880	49		
985738	85	985811	87	985881	49		
985744	85	985812	87	985882	49		
985745	85	985813	87	985883	49		
985746	85	985814	87	985884	48		
985747	85	985815	87	985885	87		
985748	85	985816	87	985886	87		
985749	85	985817	87	985887	87		
985750	85	985818	87	985888	87		

Article I: General provisions

- 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.
- 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.
- 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.
- Partial shipments are permissible.
- 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

- Prices are quoted ex works excluding packaging plus any applicable statutory sales tax and other taxes and duties that may be levied.
- 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.
- Payments are due to Supplier's designated paying agent free of charges.
- Purchaser may only offset against undisputed or legally established receivables.

Article III: Retention of title and payment protection

- Items representing Deliveries (retained goods) remain the property of Supplier until Purchaser has satisfied each and every claim of Supplier under the business relationship.
- 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.
- Purchaser agrees to inform Supplier immediately and in writing of any seizures, confiscations or other disposals or acts of intervention by third parties.
- 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

- 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.
- If failure to adhere to the delivery periods is due to
 - force majeure, e.g. mobilisation, war, terrorist attacks, rebellion or similar events (e.g. strike, lockout),
 - virus and other third-party attacks on Supplier's IT systems despite Supplier exercising due caution in implementing safeguards,
 - hindrances under German, Swiss, US and other applicable national, EU or international laws governing external trade, or other circumstances beyond Supplier's control,
 - late or incorrect delivery to Supplier,
 the deadlines will be extended by a reasonable period.

- 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.
- 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.
- 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.
- 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

- 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.
- 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

- 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.
- 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.
- 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.
- Supplier only accepts liability for supplies from subcontractors designated by Purchaser within the framework of the warranty obligations of the relevant subcontractors.
- Purchaser can claim no rights or entitlements for material, design or workmanship defects above and beyond those listed in 1. to 4. above.
- 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: Other instances of liability

These terms and conditions conclusively govern all instances of contract violations and their legal consequences, as well as all claims asserted by Purchaser, irrespective of the legal grounds. In particular, any and all claims for damages, price reductions, contract cancellation or rescission that are not expressly cited are excluded. Under no circumstances can Purchaser claim compensation for damages occurring other than on the Deliveries themselves, such as lost production, use, orders, profit, or any other direct or consequential damages.

This limitation of liability 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. Moreover, this limitation of liability does not apply if it contravenes mandatory law.

Article XIII: 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 XIV: 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.



LINEDO



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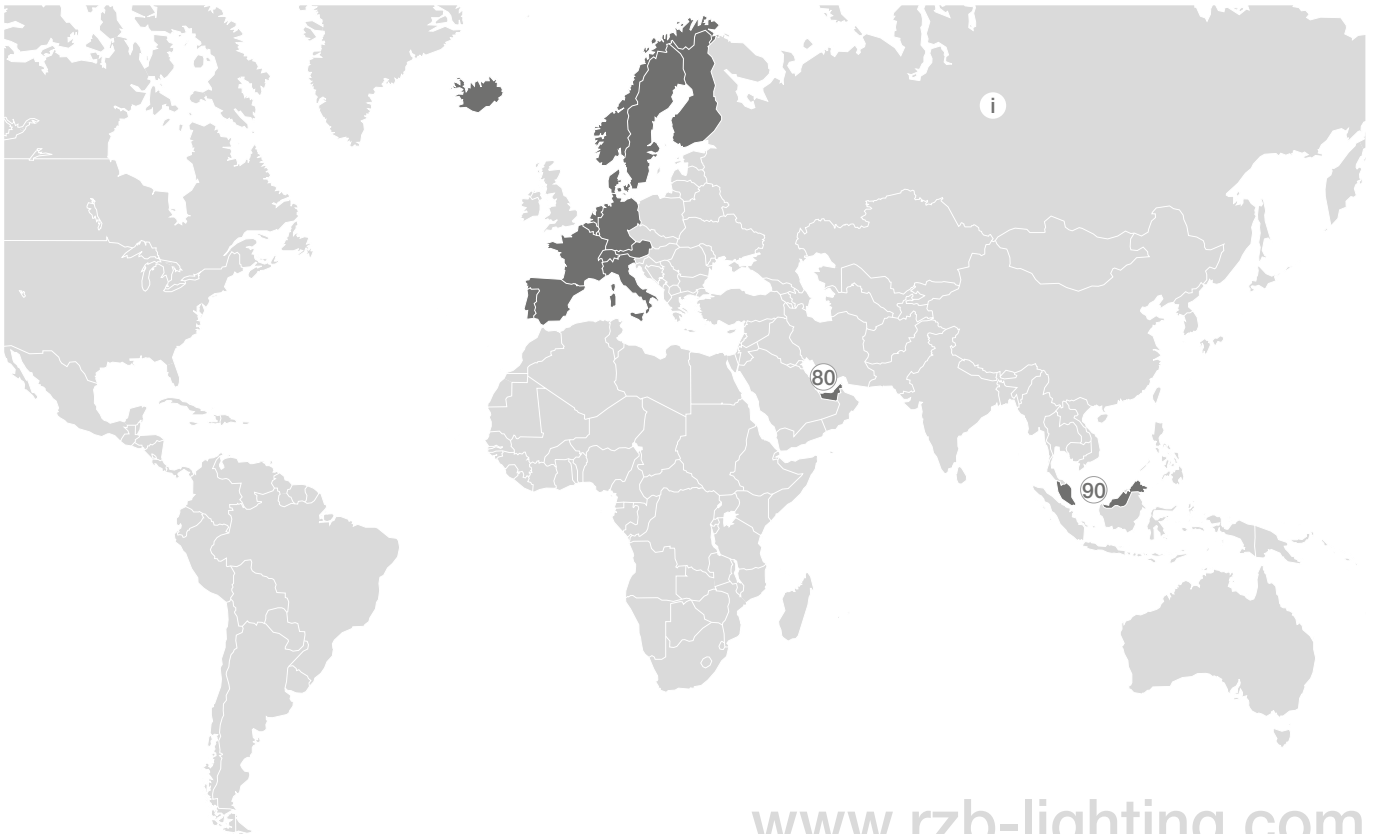
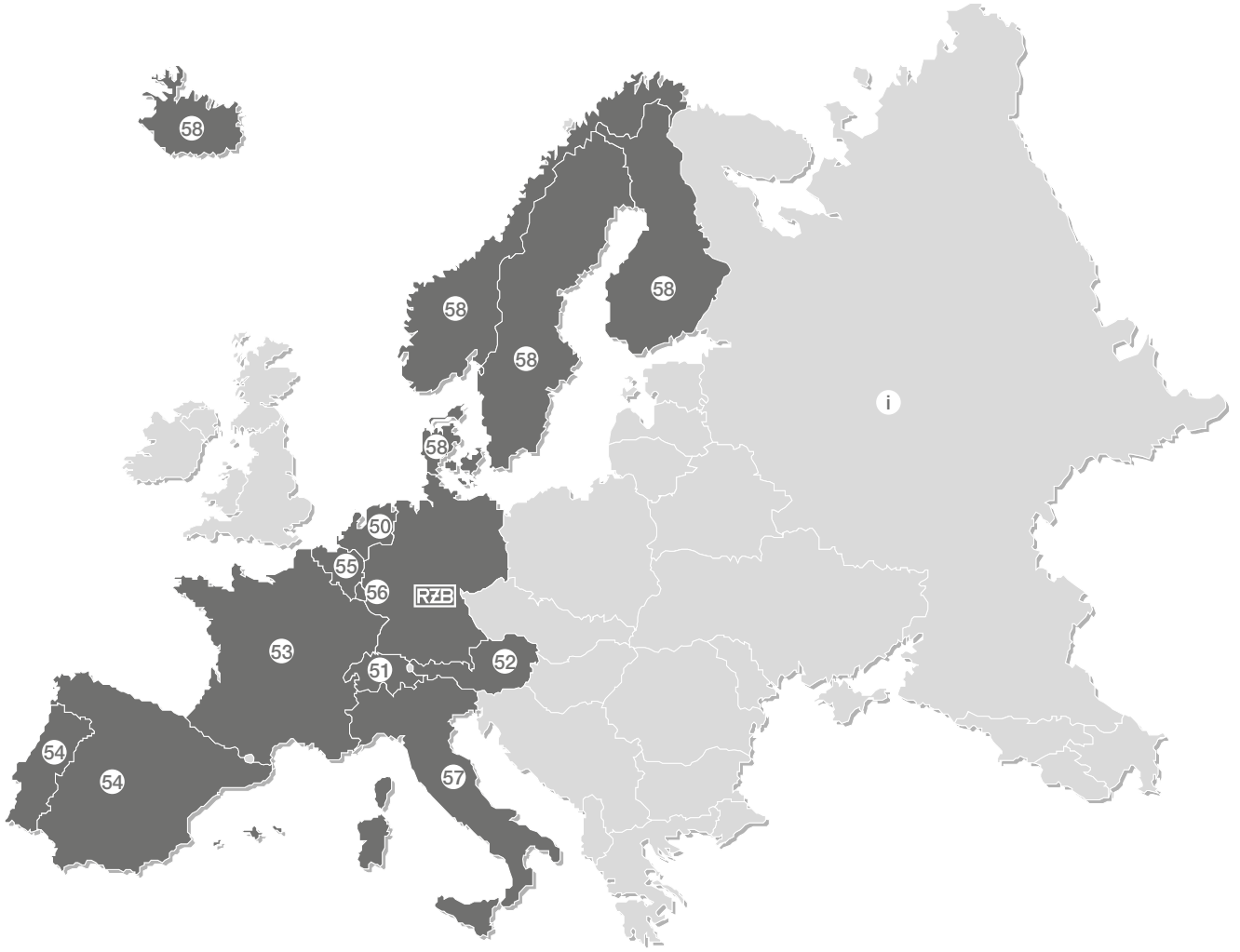
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