

Lighting

Emergency luminaire With LED

GRP

6609/1143-0101-162-2220-22-85711 Art. No. 342180



- Smart Central Locking System – Allows effortless access for quick maintenance, minimizing downtime and enhancing operational efficiency.
- Wide Voltage of 100 to 277 V AC – Makes the light fixtures suitable for different applications & environment.
- Advanced Surge Protection up to 6KV – Engineered for resilience, the robust design shields the luminaire from electrical surges, ensuring long-lasting performance.
- Emergency Light Output - Ensures essential visibility during evacuation or system restoration.
 - i. 2 ft model: Up to 65% brightness for 1.5h or 35% for 3h.
 - ii. 4 ft model: Up to 35% brightness for 1.5h or 20% for 3h.
- Long- Lasting LED Performance – Designed for durability, the luminaire delivers over 1,00,000 hours (L70B50) of service life even in +55°C ambient conditions.

MY R. STAHL 6609A

The emergency luminaire with Series 6609/1 LED with integrated battery can be installed in stand-by switching, continuous mode or in switchable stand-by switching. A monthly functional test and annual rated operating time test are performed automatically. The results are indicated by an LED.

Technical Data

| Explosion Protection | |
|---------------------------------|-----------------------------------|
| Ex version | Yes |
| Application range (zones) | 2, 21, 22 |
| IECEX gas certificate | IECEX EPS 25.0021X |
| IECEX gas explosion protection | Ex db ec ib mb IIC T4 |
| IECEX dust certificate | IECEX EPS 25.0021X |
| IECEX dust explosion protection | Ex tc IIIC T80 °C Dc |
| Certificates and approvals | IECEX |
| Certificates | IECEX (BVIS), India (PESO) |
| Electrical Data | |
| Battery version | NiCd battery, gas-tight |
| Battery operating voltage | 7.2 V |
| Battery capacity | 5 Ah |
| Self-test function | With (standard) |
| Control gear service life | C10 ≥ 50 h, Ta ≤ 55 °C |
| LED service life | L70B50 ≥ 60 h |
| Lighting Data | |
| Number of lamps | 1 |
| Lamp wattage | 50 W |
| Lamp | LED |
| Light colour | 5700 K – cool white |
| Light distribution | 120°x120° with diffusing glass |
| Luminaire efficacy | 112 lm/W |
| Luminous flux | 5594 lm |
| Operating time | 1.5h emergency lighting operation |
| Emergency light output | 35% – 1.5 h |

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Lighting Data

| | |
|--------------------|--------|
| Colour rendering | ≥ 80 |
| Colour temperature | 5700 K |

Mechanical Data

| | |
|---|---|
| Version | Standard |
| IP degree of protection (IEC 60598) | IP66/IP67 |
| Enclosure material | Polyester resin, Glass fibre reinforced |
| Enclosure color | Light grey (RAL 7035) |
| Diffuser | With diffuser |
| Sealing material | Silicone |
| Silicone-free content | Contains silicone |
| Translucent cover material | Polycarbonate |
| Installed terminal strip | PE + N + L1 + L2 + L3 + L' |
| Max. solid connection terminals | 6 mm ² |
| Max. finely stranded connection terminals | 4 mm ² |
| Type of connection cable | Finely stranded Solid |
| Size | 4 |
| Width | 184 mm |
| Height | 125 mm |
| Length | 1310 mm |
| Impact strength (IEC 62262) | IK10 |
| Disconnection of the luminaire | Only battery |
| Weight | 8.8 kg |
| Weight | 19.4 lb |

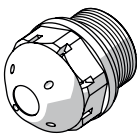
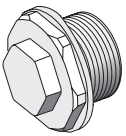
Components

| | |
|--------------------------|---------------------------------------|
| Threaded plate | 2x stainless steel |
| Ballast | 6049/111-110-10 + 6246/111-1 |
| Through wiring | With 6 conductors 2.5 mm ² |
| Drilled holes | 3 x M20 |
| Cable glands and entries | can be ordered as an accessory |
| Stopping plugs | Can be ordered as accessories |
| Accessories | without |

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

Accessories

Breather

| | | Art. No. |
|--|---|----------|
|  | Thread: M25 x 1.5 (20 pieces); without jam nut | 285780 |
|  | Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut | 296608 |

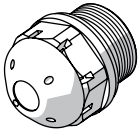
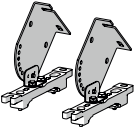
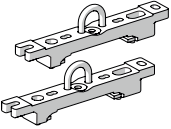
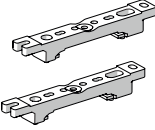
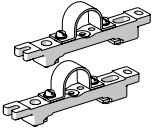
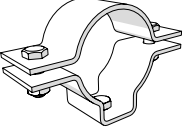


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| Breather | | Art. No. |
|--|--|----------|
|  | M25 x 1.5 in order to avoid condensate formation | 115738 |
| Ceiling and wall mounting bracket | | Art. No. |
|  | mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair | 222827 |
| Mounting bracket | | Art. No. |
|  | mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair | 222456 |
| Mounting rail | | Art. No. |
|  | for a variable mounting distance; 1 pair | 222826 |
| Pipe clamp | | Art. No. |
|  | R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair | 222459 |
| | R 1 1/4"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair | 222458 |
| | R 2"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair | 222460 |
| Pole mounting | | Art. No. |
|  | Pole mounting acces. 1.4301 ø38mm-1 pair | 324916 |
| | Pole mounting acces. 1.4301 ø42mm-1 pair | 324914 |
| | Pole mounting acces. 1.4301 ø50mm-1 pair | 324915 |
| | Pole mounting acces. 1.4301 ø60mm-1 pair | 324912 |
| | Pole mounting acces. 1.4404 ø50mm-1 pair | 324917 |
| | Pole mounting acces. 1.4404 ø60mm-1 pair | 324913 |
| Pole mounting sleeve | | Art. No. |
|  | for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm) | 227512 |
| Ring bolt | | Art. No. |
|  | M8, direct mounting in insert nuts; 1 pair | 115736 |

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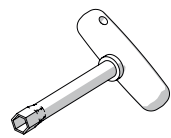
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Socket wrench

Art. No.

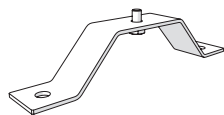


M8 / A/F 13;
For actuating the central lock

222430

Wall mounting

Art. No.



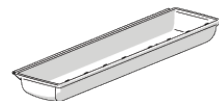
Wall/ceiling mtg.bkt. 1.4301w-1pair

324918

Spare Parts

Cover

Art. No.



for luminaire size 4

222428

for luminaire size 2

222427

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.