

# Lighting

## Emergency luminaire With LED

GRP

6209/1123-0101-162-2220-22-75711 Art. No. 342104



- 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 6209A

The emergency luminaire with Series 6209/1 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)       | 1, 2, 21, 22                      |
| IECEX gas certificate           | IECEX EPS 25.0020X                |
| IECEX gas explosion protection  | Ex db eb ib mb IIC T4             |
| IECEX dust certificate          | IECEX EPS 25.0020X                |
| IECEX dust explosion protection | Ex tb IIIC T80 °C Db              |
| Certificates and approvals      | IECEX                             |
| Certificates                    | IECEX (BVIS)                      |
| 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 ≥ 100 h                    |
| Lighting Data                   |                                   |
| Number of lamps                 | 1                                 |
| Lamp wattage                    | 26 W                              |
| Lamp                            | LED                               |
| Light colour                    | 5700 K – cool white               |
| Light distribution              | 120°x120° with diffusing glass    |
| Luminaire efficacy              | 113 lm/W                          |
| Luminous flux                   | 2949 lm                           |
| Operating time                  | 1.5h emergency lighting operation |
| Emergency light output          | 65% – 1.5 h                       |

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#### Lighting Data

|                    |        |
|--------------------|--------|
| Colour rendering   | ≥ 70   |
| Colour temperature | 5700 K |

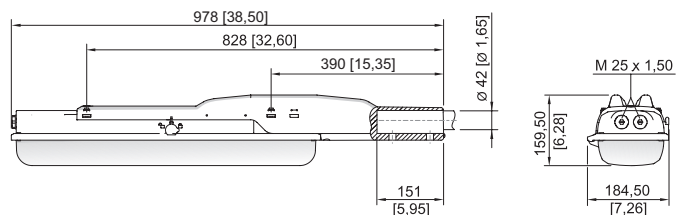
#### Mechanical Data

|   |   |
|---|---|
| Version                                   | Standard                                |
| IP degree of protection (IEC 60598)       | IP66/IP67                               |
| Enclosure material                        | Polyester resin, Glass fibre reinforced |
| Enclosure colour                          | 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 <sup>2</sup>                       |
| Max. finely stranded connection terminals | 4 mm <sup>2</sup>                       |
| Type of connection cable                  | Finely stranded<br>Solid                |
| Size                                      | 2                                       |
| Width                                     | 184 mm                                  |
| Height                                    | 125 mm                                  |
| Length                                    | 700 mm                                  |
| Impact strength (IEC 62262)               | IK10                                    |
| Disconnection of the luminaire            | Only battery                            |
| Weight                                    | 6.4 kg                                  |
| Weight                                    | 14.11 lb                                |

#### Components

|                          |                                       |
|--------------------------|---------------------------------------|
| Threaded plate           | 2x stainless steel                    |
| Ballast                  | 6049/111-110-10 + 6246/111-1          |
| Through wiring           | With 6 conductors 2.5 mm <sup>2</sup> |
| 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



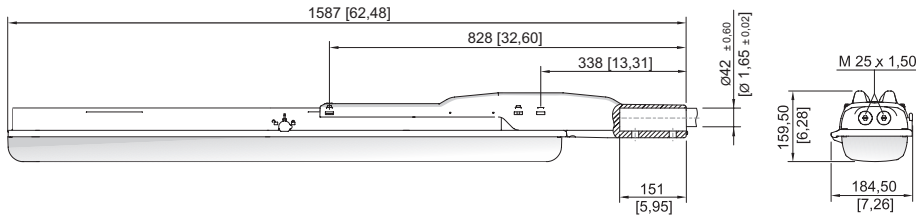
Size 2

# Lighting

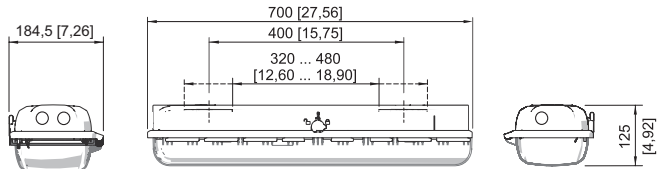
## Emergency luminaire With LED

### GRP

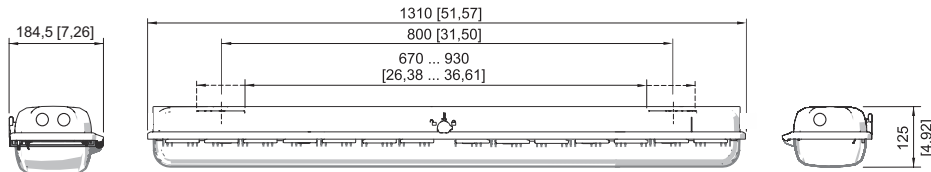
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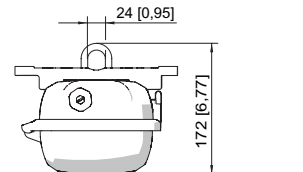
Size 4



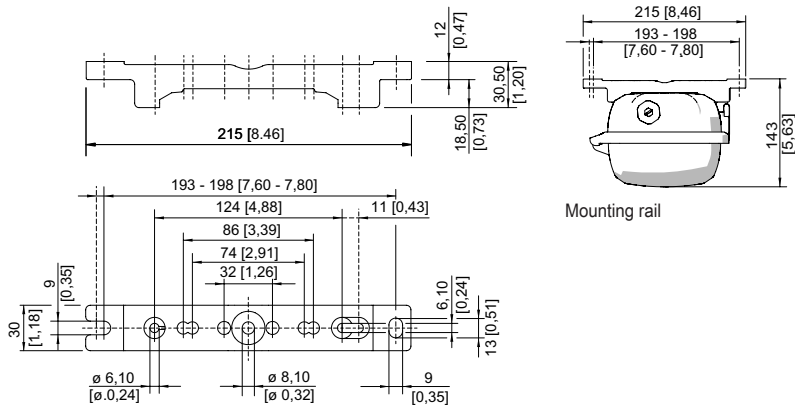
Size 2



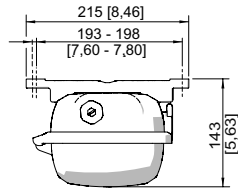
Size 4



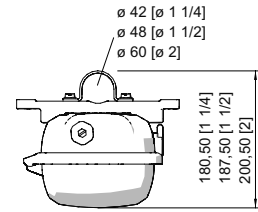
Mounting bracket fitted in mounting rail



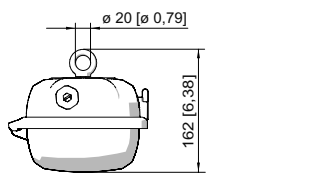
Mounting rail



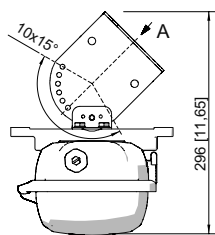
Mounting rail



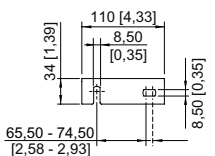
Pipe clamp fitted in mounting rail



Ring bolt fitted in insert nut of the luminaire



A



Wall mounting bracket fitted in mounting rail

# Lighting

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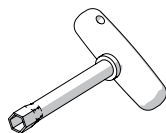
6209/1123-0101-162-2220-22-75711 Art. No. 342104



### Accessories

#### Box spanner

Art. No.

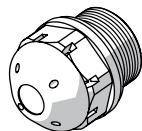


M8 / A/F 13;  
For actuating the central lock

222430

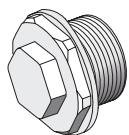
#### Breather

Art. No.



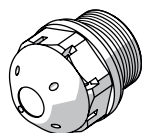
Thread: M25 x 1.5 (20 pieces); without jam nut

285780



Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut

296608

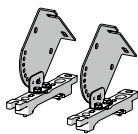


M25 x 1.5 in order to avoid condensate formation

115738

#### Ceiling and wall mounting bracket

Art. No.

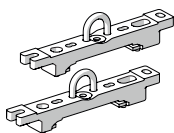


mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair

222827

#### Mounting bracket

Art. No.

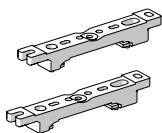


mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair

222456

#### Mounting rail

Art. No.

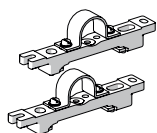


for a variable mounting distance; 1 pair

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

# Lighting

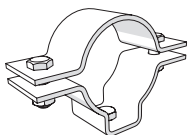
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### Pole mounting

|  | 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 |

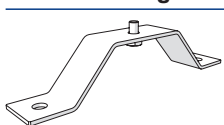
### Pole mounting sleeve

|  | Art. No. |
|--|----------|
|  for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm) | 227512   |

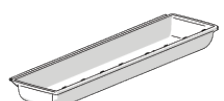
### Ring bolt

|   | Art. No. |
|---|----------|
|  M8, direct mounting in insert nuts; 1 pair | 115736   |

### 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.