



- The latest LED technology with a high luminous efficacy and a long service life
- Extremely high luminaire efficacy
- Can be adjusted from a 1.5 to a 3.0 h rated operating time
- Luminous flux after 100,000 h still 90% of the starting luminous flux
- Optionally with DALI for controlling and monitoring the luminaire
- Automatic weekly function test and annual rated operating time test

### MY R. STAHL 6409C



The emergency luminaire with Series 6409/4 LED with integrated battery can be installed in stand-by switching, continuous mode or in switchable stand-by switching. A weekly 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 IBE 16.0047                           |
| IECEX gas certificate           | IECEX IBE 16.0047                           |
| IECEX gas explosion protection  | Ex db ec IIC T4 Gc                          |
| IECEX dust certificate          | IECEX IBE 16.0047                           |
| IECEX dust explosion protection | Ex tb op is / tc IIIC T100 °C Db            |
| ATEX gas certificate            | IBExU 16 ATEX 1233                          |
| ATEX gas certificate            | IBExU 16 ATEX 1233                          |
| ATEX gas explosion protection   | ⊕ II 3 G Ex db ec IIC T4 Gc                 |
| ATEX dust certificate           | IBExU 16 ATEX 1233                          |
| ATEX dust explosion protection  | ⊕ II 2 D Ex tb op is / tc IIIC T100 °C Db   |
| Certificates and approvals      | ATEX<br>IECEX<br>UKEX                       |
| Certificates                    | ATEX (IBE), IECEX (IBE), India (PESO)       |
| Declaration of conformity       | ATEX (EUK), Declaration of Conformity (AUS) |

### Electrical Data

|                              |                         |
|------------------------------|-------------------------|
| Rated operational voltage AC | 110 ... 240 V           |
| Battery version              | NiCd battery, gas-tight |
| Battery operating voltage    | 6 V                     |
| Battery capacity             | 7 Ah                    |
| Self-test function           | With (standard)         |
| Frequency range              | 50 – 60 Hz              |

### Lighting Data

|                 |      |
|-----------------|------|
| Number of lamps | 1    |
| Lamp wattage    | 45 W |
| Lamp            | LED  |

# Lighting

## Emergency luminaire With LED

### GRP

6409/4148-5101-162-1110-11-850011 Art. No. 271004



#### Lighting Data

|                        |                                   |
|------------------------|-----------------------------------|
| Light colour           | 5000 K – neutral white            |
| Light distribution     | 120°x120° with diffusing glass    |
| Luminaire efficacy     | 129 lm/W                          |
| Luminous flux          | 5810 lm                           |
| Operating time         | 1.5h emergency lighting operation |
| Emergency light output | 35% – 1.5 h                       |
| Colour rendering       | ≥ 80                              |
| Colour temperature     | 5000 K                            |

#### Ambient Conditions

|                     |  |
|---------------------|--|
| Ambient temperature | -30 °C ... +50 °C Note: Through wiring Max. 3x16 A<br>-30 °C ... +55 °C Note: Through wiring 2 Max. 3x10 A |
|---------------------|--|

#### 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                  | Solid<br>Finely stranded                |
| Size                                      | 4                                       |
| Width                                     | 183.5 mm                                |
| Height                                    | 125 mm                                  |
| Length                                    | 1467 mm                                 |
| Impact strength (IEC 62262)               | IK10                                    |
| Weight                                    | 8.1 kg                                  |
| Weight                                    | 17.86 lb                                |
| Disconnection of the luminaire            | Only battery                            |

#### Components

|                          |                                       |
|--------------------------|---------------------------------------|
| Threaded plate           | 2x plastic                            |
| Ballast                  | LED NLE 80W 110-240V/7Ah/1.5h/        |
| Through wiring           | With 6 conductors 2.5 mm <sup>2</sup> |
| Drilled holes            | 3 x M25                               |
| Cable glands and entries | 2 x M25 Ø 7 ... 17 mm                 |
| Material cable gland     | Polyamide, black                      |
| Stopping plugs           | 2 x M25 x 1.5                         |
| Stopping plug material   | Polyamide, black                      |
| Cable entry material     | Polyamide, black                      |
| Accessories              | Provided                              |

# Lighting

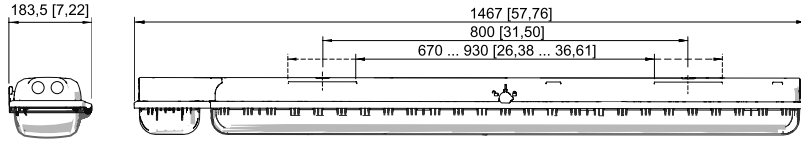
## Emergency luminaire With LED

### GRP

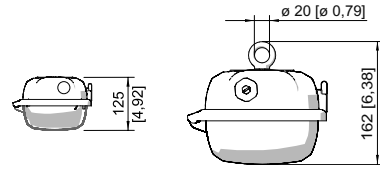
6409/4148-5101-162-1110-11-850011 Art. No. 271004



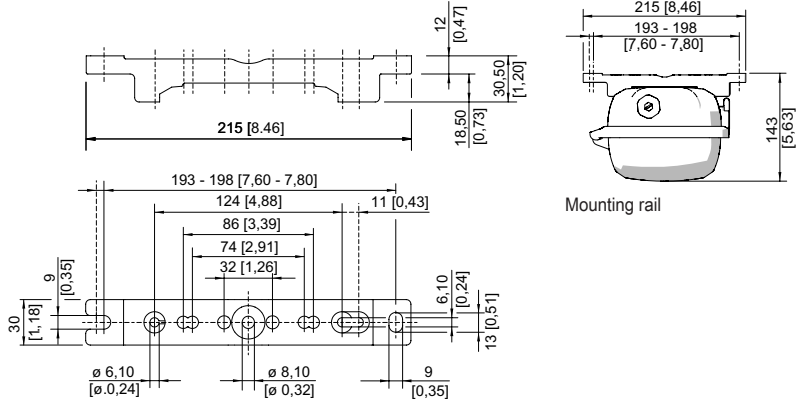
#### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



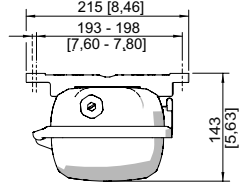
Size 4



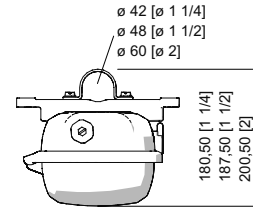
Ring bolt fitted in insert nut of the luminaire



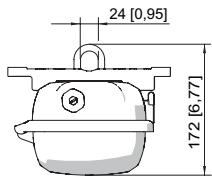
Mounting rail



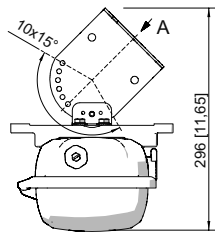
Mounting rail



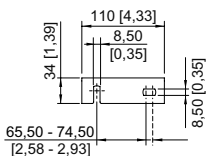
Pipe clamp fitted in mounting rail



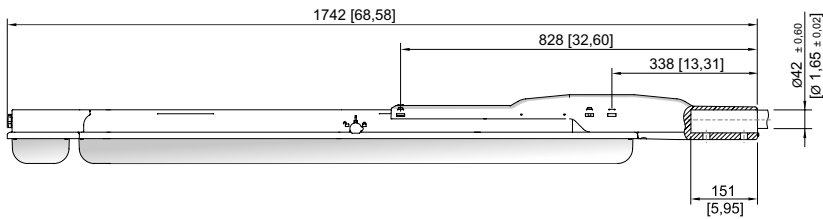
Mounting bracket fitted in mounting rail



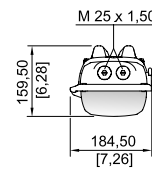
A



Wall mounting bracket fitted in mounting rail

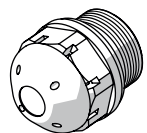


Size 4



## Accessories

### Breather



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

Art. No.

285780

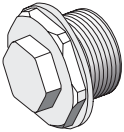
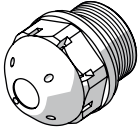


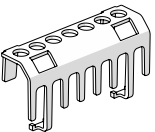
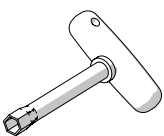
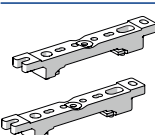
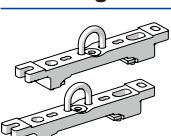
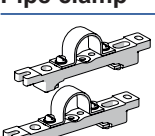
# Lighting

## Emergency luminaire With LED

GRP

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|  |   |                 |
|--|---|-----------------|
|    | 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          |
| <b>Holder for translucent cover</b>  |   | <b>Art. No.</b> |
|    | The fall prevention system for the light fitting cover prevents the light fitting cover from falling accidentally when the light fitting is opened.   | 226791          |
| <b>Pole mounting sleeve</b>  |   | <b>Art. No.</b> |
|    | for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)   | 227512          |
| <b>Protection against accidental contact</b>                                       |   | <b>Art. No.</b> |
|  | The protection against accidental contact prevents maintenance technicians and electrical installers from accidentally touching conductive parts. The degree of protection is increased to IP20 when the protection against accidental contact is used. | 283153          |
| <b>Box spanner</b>   |   | <b>Art. No.</b> |
|  | M8 / A/F 13;<br>For actuating the central lock  | 222430          |
| <b>Mounting rail</b>   |   | <b>Art. No.</b> |
|  | for a variable mounting distance; 1 pair  | 222826          |
| <b>Mounting bracket</b>  |   | <b>Art. No.</b> |
|  | mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair  | 222456          |
| <b>Pipe clamp</b>  |   | <b>Art. No.</b> |
|  | 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

Emergency luminaire With LED

GRP

6409/4148-5101-162-1110-11-850011 Art. No. 271004



## Ring bolt

Art. No.

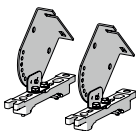


M8, direct mounting in insert nuts; 1 pair

115736

## Ceiling and wall mounting bracket

Art. No.



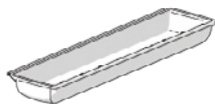
mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair

222827

## Spare Parts

### Cover

Art. No.

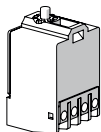


for luminaire size 4

222428

### Contact element

Art. No.

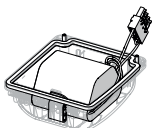


8080/1-3-L 2 NC contact element

132527

### Battery set

Art. No.



Battery cover with built-in battery. Gas-tight NiCd battery; 7 Ah / 6 V

223532

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