

# Lighting

## Linear luminaire With LED

GRP

6402/4148-6100-150-1110-11-8500 Art. No. 272435



- State-of-the-art LED technology with high luminous efficacy and long service life
- Extremely high luminaire efficacy
- Luminous flux after 100,000 h still 90% of the starting luminous flux
- Optionally with DALI for controlling and monitoring the luminaire
- Optionally with address modules for directly actuation of a common battery system

MY R. STAHL 6402C



The linear luminaire with Series 6402/4 LED is ideal for lighting surfaces at a mounting height of up to 10 m. It can also be used to illuminate equipment and objects, both inside and outside. The pole mounting sleeve accessory can be used to easily mount the luminaire on poles. Optionally, the luminaire can be equipped with an address module. It can be used to control and monitor the luminaire for the common battery systems.

### Technical Data

#### Explosion Protection

|                                 |   |
|---------------------------------|---|
| Ex version                      | Yes   |
| Application range (zones)       | 2, 21, 22                                   |
| IECEX gas certificate           | IECEX IBE 14.0080                           |
| IECEX gas explosion protection  | Ex ec IIC T4 Gc                             |
| IECEX dust certificate          | IECEX IBE 14.0080                           |
| IECEX dust explosion protection | Ex tb op is / tc IIIC T100 °C Db            |
| ATEX gas certificate            | IBExU 14 ATEX 1292                          |
| ATEX gas explosion protection   | ⊕ II 3 G Ex ec IIC T4 Gc                    |
| ATEX dust certificate           | IBExU 14 ATEX 1292                          |
| 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)                     |
| Declaration of conformity       | ATEX (EUK), Declaration of Conformity (AUS) |

#### Electrical Data

|                              |               |
|------------------------------|---------------|
| Rated operational voltage AC | 100 ... 240 V |
| Rated operational voltage DC | 110 ... 250 V |
| Frequency range              | 50 – 60Hz     |

#### Lighting Data

|                    |                                |
|--------------------|--------------------------------|
| Number of lamps    | 1                              |
| Lamp wattage       | 42 W                           |
| Lamp               | LED                            |
| Light colour       | 5000 K – neutral white         |
| Light distribution | 120°x120° with diffusing glass |
| Luminaire efficacy | 138 lm/W                       |

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|                    |         |
|--------------------|---------|
| Luminous flux      | 5810 lm |
| Colour rendering   | ≥ 80    |
| Colour temperature | 5000 K  |

### Ambient Conditions

|                     |                            |
|---------------------|----------------------------|
| Ambient temperature | -40 °C ... 60 °C (T100 °C) |
|---------------------|----------------------------|

### 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                   |
| 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                                      | 4                                       |
| Width                                     | 184 mm                                  |
| Height                                    | 125 mm                                  |
| Length                                    | 1310 mm                                 |
| Impact strength (IEC 62262)               | IK10                                    |
| Weight                                    | 5.6 kg                                  |
| Weight                                    | 12.35 lb                                |
| Disconnection of the luminaire            | No                                      |

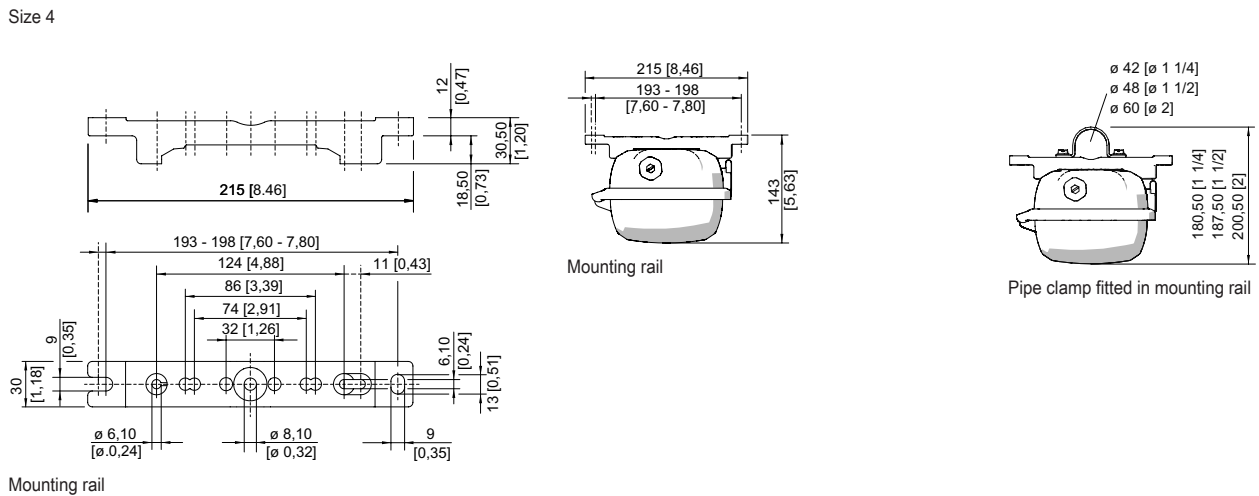
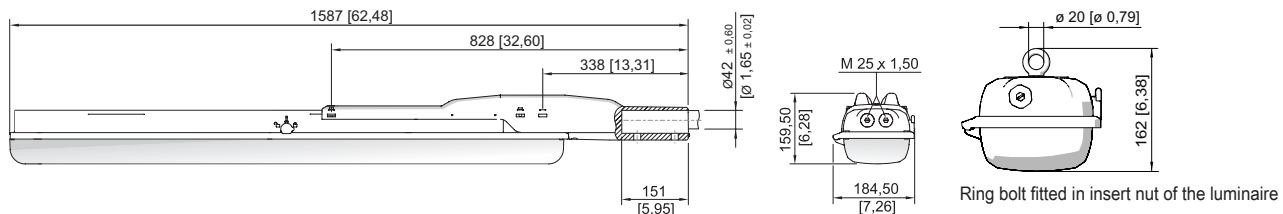
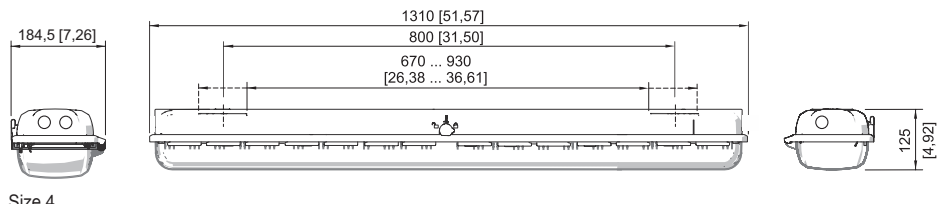
### Components

|                          |                          |
|--------------------------|--------------------------|
| Threaded plate           | 2x plastic               |
| Ballast                  | VG Luxtronic 40 W 300 mA |
| Through wiring           | without                  |
| 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         |
| Accessories              | Provided                 |

#### Light Distribution Curves



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



# Lighting

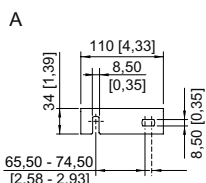
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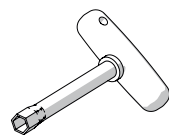
Mounting bracket fitted in mounting rail



Wall mounting bracket fitted in mounting rail

## Accessories

### Box spanner

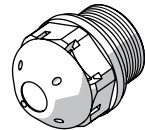


M8 / A/F 13;  
For actuating the central lock

Art. No.

222430

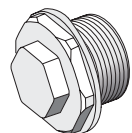
### Breather



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

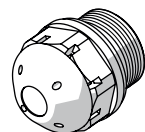
Art. No.

285780



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

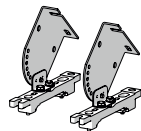
296608



M25 x 1.5 in order to avoid condensate formation

115738

### Ceiling and wall mounting bracket



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

Art. No.

222827

### Holder for translucent cover



The fall prevention system for the light fitting cover prevents the light fitting cover from falling accidentally when the light fitting is opened.

Art. No.

226791

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### Mounting bracket

Art. No.



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

222456

### Mounting rail

Art. No.

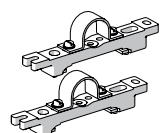


for a variable mounting distance; 1 pair

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 sleeve

Art. No.

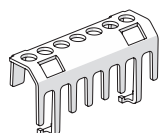


for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)

227512

### Protection against accidental contact

Art. No.



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

### Ring bolt

Art. No.



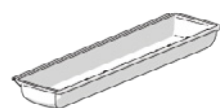
M8, direct mounting in insert nuts; 1 pair

115736

## Spare Parts

### Cover

Art. No.



for luminaire size 4

222428

### Reflector Plate

Art. No.



Spare part for 6402 or upgrade 6401 size 4, colour temperature 5000 K

270817

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.