



- 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                                                                |
| IECEEx gas certificate           | IECEEx IBE 14.0080                                                       |
| IECEEx gas explosion protection  | Ex ec IIC T4 Gc                                                          |
| IECEEx dust certificate          | IECEEx IBE 14.0080                                                       |
| IECEEx dust explosion protection | Ex tb op is IIIC T100 °C Db<br>Ex tc IIIC T100 °C Dc                     |
| ATEX gas certificate             | IBExU 14 ATEX 1292                                                       |
| ATEX gas explosion protection    | Ex II 3 G Ex ec IIC T4 Gc                                                |
| ATEX dust certificate            | IBExU 14 ATEX 1292                                                       |
| ATEX dust explosion protection   | Ex II 2 D Ex tb op is IIIC T100 °C Db<br>Ex II 3 D Ex tc IIIC T100 °C Dc |
| Certificates and approvals       | ATEX<br>IECEEx                                                           |
| Certificates                     | ATEX (IBE), IECEEx (IBE)                                                 |
| Declaration of conformity        | ATEX (EUK)                                                               |
| Electrical Data                  |                                                                          |
| AC rated operational voltage     | 100 ... 240 V                                                            |
| DC rated operational voltage     | 110 ... 250 V                                                            |
| Frequency                        | 50 ... 60 Hz                                                             |
| Control gear service life        | C10 ≥ 100 h, Ta ≤ 60 °C                                                  |
| LED service life                 | L90B50 ≥ 100 h                                                           |
| Lighting Data                    |                                                                          |
| Number of lamps                  | 1                                                                        |
| Lamp wattage                     | 35 W                                                                     |
| Lamp                             | LED                                                                      |

#### Lighting Data

|                               |                                |
|-------------------------------|--------------------------------|
| Light colour                  | 4000 K – warm neutral white    |
| Light distribution            | 120°x120° with diffusing glass |
| Luminaire efficacy            | 161 lm/W                       |
| Luminous flux                 | 5600 lm                        |
| Colour rendering              | ≥ 80                           |
| Colour temperature            | 4000 K                         |
| Light source efficiency class | C                              |

#### Ambient Conditions

|                     |                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------|
| Ambient temperature | -40 °C ... 55 °C (Through wiring max. 3x16 A)<br>-40 °C ... 60 °C (Through wiring 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)                   |
| Insert nut material                       | Brass                                   |
| Diffuser                                  | With diffuser                           |
| Sealing material                          | Silicone                                |
| Silicone-free content                     | Contains silicone                       |
| Translucent cover material                | Polycarbonate                           |
| Translucent cover                         | Clear                                   |
| 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                                    |
| Disconnection of the luminaire            | No                                      |
| Weight                                    | 5.6 kg                                  |
| Weight                                    | 12.35 lb                                |

#### Components

|                          |                                       |
|--------------------------|---------------------------------------|
| Threaded plate           | 2x SS430 stainless steel              |
| Ballast                  | VG Luxtronic 40 W 250 mA              |
| Through wiring           | With 5 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                               |

# Lighting

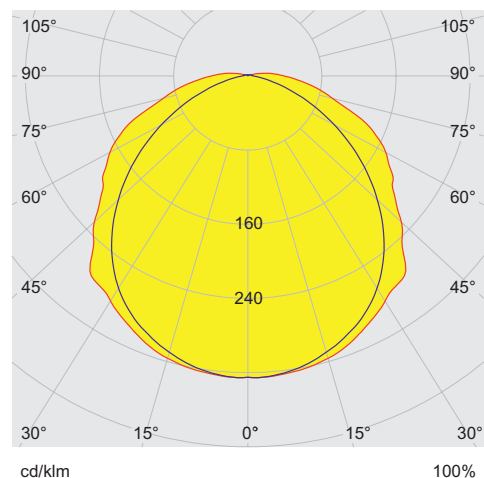
## Linear luminaire With LED

### GRP

6402/4148-6100-152-2220-22-8400 Art. No. 270461

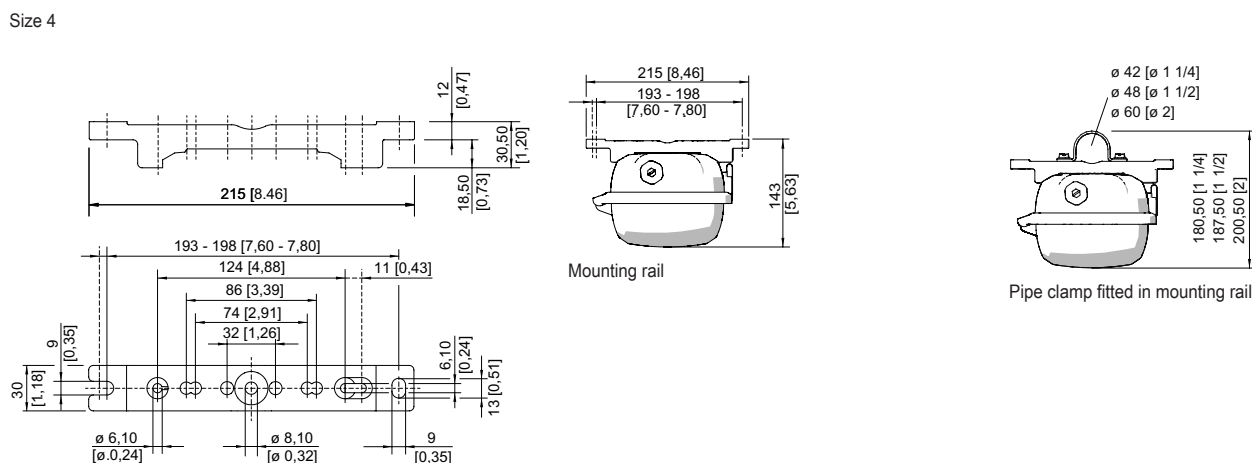
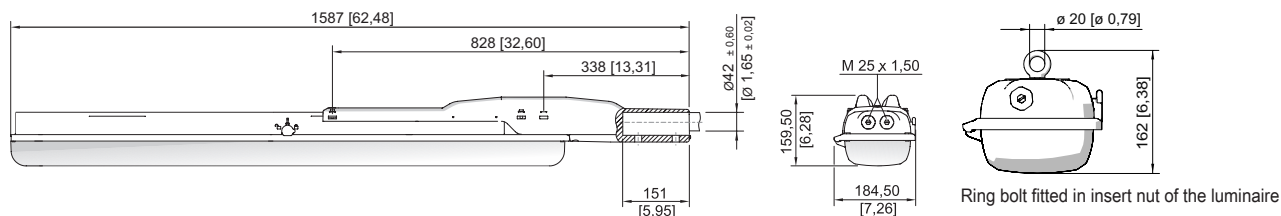
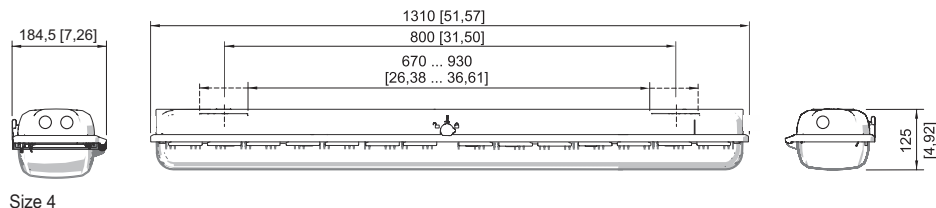
STAHL

#### Light Distribution Curves

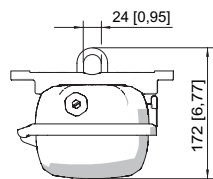


typical with diffusor, clear translucent cover

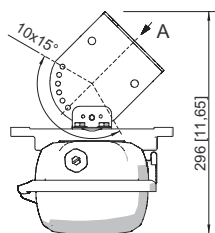
#### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



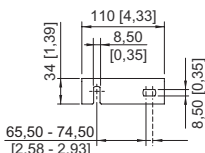
Mounting rail



Mounting bracket fitted in mounting rail



A



Wall mounting bracket fitted in mounting rail

## Accessories

### Pole mounting sleeve

Art. No.

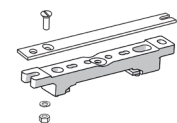


for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)

227512

### Adapter plate for mounting EXLUX 6002 on EXLUX 6000 mounting interfaces

Art. No.

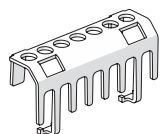


Adapter plate for installation of EXLUX 6002 luminaires onto EXLUX 6000 interfaces

240653

### Protection against accidental contact

Art. No.

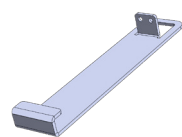


The protection against accidental contact prevents maintenance technicians and electrical installers from accidentally touching conductive parts. The degree of protection is increased to IP20 when the protection against accidental contact is used.

283153

### Fall protection

Art. No.



Accessories for mounting an arrester cable

295927

### Holder for translucent cover

Art. No.

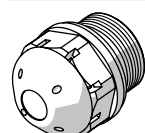


The fall prevention system for the light fitting cover prevents the light fitting cover from falling accidentally when the light fitting is opened.

226791

### Breather

Art. No.



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

285780

M25 x 1.5 in order to avoid condensate formation

115738

Lighting

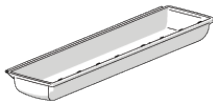


Linear luminaire With LED

GRP

6402/4148-6100-152-2220-22-8400    Art. No. 270461

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 4000 K | 272071   |

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.