



- The latest LED technology with a high luminous efficacy and a 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 addressable for direct actuation of a common battery system

#### MY R. STAHL 6002D



The linear luminaire with Series 6002/4 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 addressable equipment. 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)       | 1, 2, 21, 22                                      |
| IECEX gas certificate           | IECEX IBE 14.0035                                 |
| IECEX gas explosion protection  | Ex db eb ib op is IIC T4 Gb                       |
| IECEX dust certificate          | IECEX IBE 14.0035                                 |
| IECEX dust explosion protection | Ex tb op is IIIC T100 °C Db                       |
| ATEX gas certificate            | IBExU 14ATEX1088                                  |
| ATEX gas explosion protection   | Ex II 2 G Ex db eb ib op is IIC T4 Gb             |
| ATEX dust certificate           | IBExU 14ATEX1088                                  |
| ATEX dust explosion protection  | Ex II 2 D Ex tb op is IIIC T100 °C Db             |
| Certificates and approvals      | ATEX<br>IECEX<br>UKEX                             |
| Certificates                    | ATEX (IBE), IECEX (IBE), India (PESO)             |
| Ship approval                   | DNV   |
| 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   |
| Control gear service life       | C10 ≥ 50 h, Ta ≤ 60 °C<br>C10 ≥ 100 h, Ta ≤ 50 °C |
| LED service life                | L90B50 ≥ 100 h                                    |
| Lighting Data                   |   |
| Number of lamps                 | 1   |
| Lamp wattage                    | 35 W  |

#### Lighting Data

|                    |                                |
|--------------------|--------------------------------|
| Lamp               | LED                            |
| Light colour       | 5000 K – neutral white         |
| Light distribution | 120°x120° with diffusing glass |
| Luminaire efficacy | 168 lm/W                       |
| Luminous flux      | 5770 lm                        |
| Colour rendering   | ≥ 80                           |
| Colour temperature | 5000 K                         |

#### Ambient Conditions

|                     |  |
|---------------------|--|
| Ambient temperature | -40 °C ... 50 °C Note: Through wiring Max. 3x16 A<br>-40 °C ... 60 °C Note: Through wiring 2 Max. 3x10 A |
|---------------------|--|

#### Mechanical Data

|   |   |
|---|---|
| Version                                   | Standard                                |
| Translucent cover                         | Clear                                   |
| IP degree of protection (IEC 60598)       | IP66/IP67                               |
| Enclosure material                        | Polyester resin, Glass fibre reinforced |
| Enclosure colour                          | Light grey (RAL 7035)                   |
| Material insert nut                       | brass                                   |
| 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                  | Solid<br>Finely stranded                |
| Size                                      | 4                                       |
| Width                                     | 184 mm                                  |
| Height                                    | 125 mm                                  |
| Length                                    | 1310 mm                                 |
| Impact strength (IEC 62262)               | IK10                                    |
| Weight                                    | 6.9 kg                                  |
| Weight                                    | 15.21 lb                                |
| Disconnection of the luminaire            | No                                      |

#### Components

|                          |                                       |
|--------------------------|---------------------------------------|
| Threaded plate           | 2x SS430 stainless steel              |
| Ballast                  | 6045/311-130-10                       |
| 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

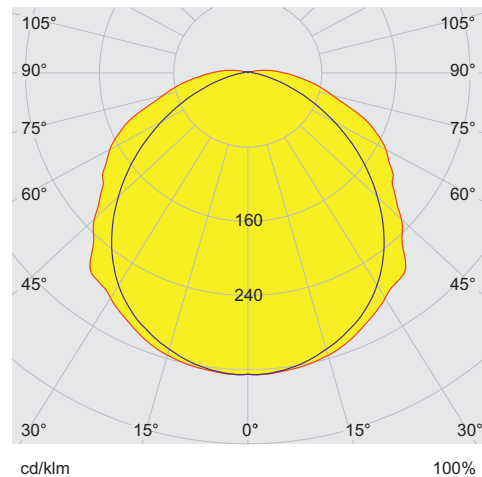
## Linear luminaire With LED

### GRP

6002/4148-0100-152-2220-22-8500 Art. No. 267077

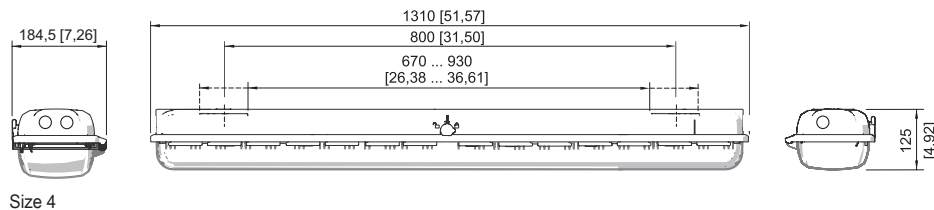


#### Light Distribution Curves

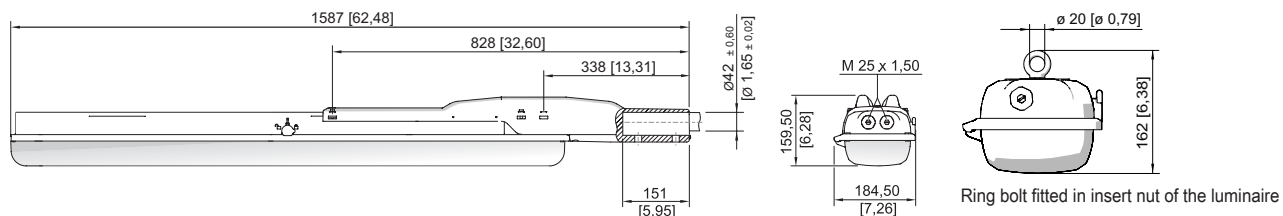


— C0 - C180 — C90 - C270  
typical with diffusor, clear translucent cover

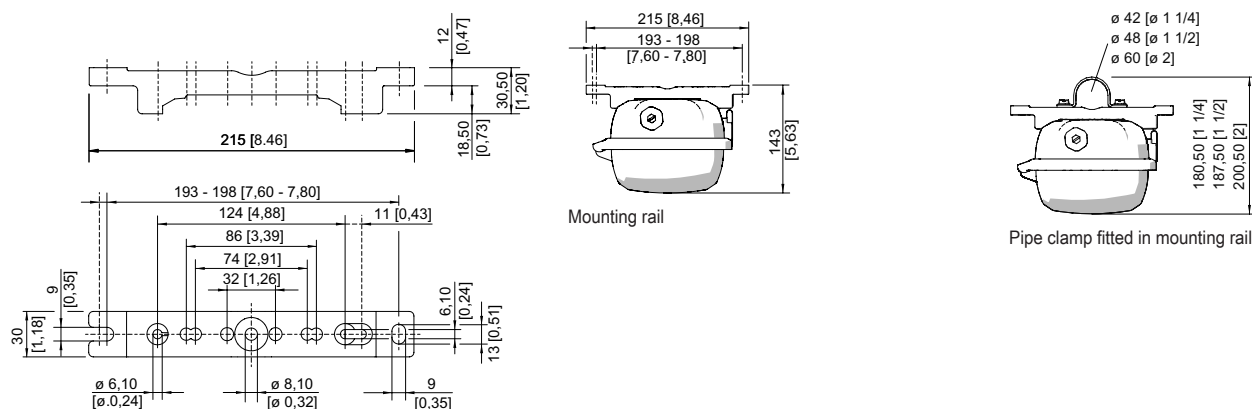
#### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Size 4



Size 4



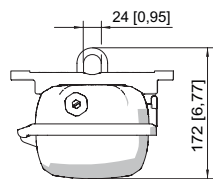
Mounting rail

# Lighting

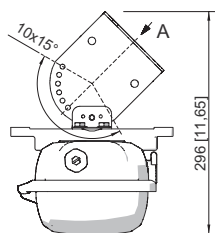
Linear luminaire With LED

GRP

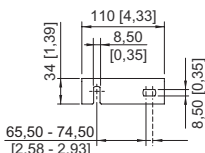
6002/4148-0100-152-2220-22-8500 Art. No. 267077



Mounting bracket fitted in mounting rail



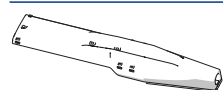
A



Wall mounting bracket fitted in mounting rail

## Accessories

### Pole mounting sleeve

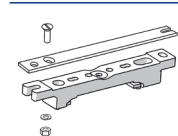


for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)

Art. No.

227512

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

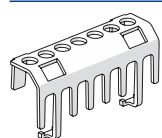


Adapter plate for installation of EXLUX 6002 luminaires onto EXLUX 6000 interfaces

Art. No.

240653

### Protection against accidental contact

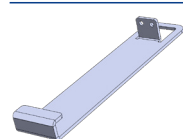


The protection against accidental contact prevents maintenance technicians and electrical installers from accidentally touching conductive parts. The degree of protection is increased to IP20 when the protection against accidental contact is used.

Art. No.

283153

### Fall protection



Accessories for mounting an arrester cable

Art. No.

295927

### Holder for translucent cover

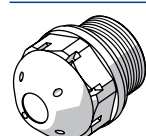


The fall prevention system for the light fitting cover prevents the light fitting cover from falling accidentally when the light fitting is opened.

Art. No.

226791

### Breather



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

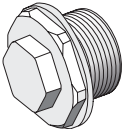
M25 x 1.5 in order to avoid condensate formation

Art. No.

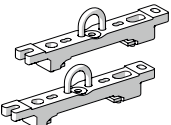
285780

115738

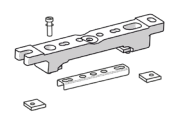
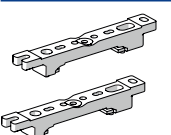
#### Breather

|  |   |                    |
|--|---|--------------------|
|  | Thread: M20 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut | Art. No.<br>323702 |
|  | Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut | 296608             |


#### Mounting bracket

|  |  |                    |
|--|--|--------------------|
|  | mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair | Art. No.<br>222456 |
|--|--|--------------------|

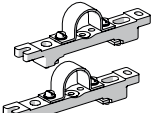
#### Mounting rail

|   |  |                    |
|---|--|--------------------|
|   | Mounting accessories for ceiling mounting of EXLUX luminaires with V4A metal insert for reinforcement  | Art. No.<br>325835 |
|   | Mounting accessories for ceiling mounting of EXLUX luminaires with V4A metal insert and captive M8 nut | 329336             |
|  | for a variable mounting distance; 1 pair   | 222826             |

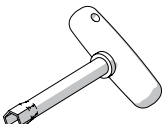
#### Ring bolt

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

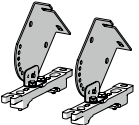
#### Pipe clamp

|  |  |                    |
|--|--|--------------------|
|  | R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair | Art. No.<br>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             |

#### Box spanner

|  |  |                    |
|--|--|--------------------|
|  | M8 / A/F 13;<br>For actuating the central lock | Art. No.<br>222430 |
|--|--|--------------------|

#### 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.<br>222827 |
|--|--|--------------------|

## Lighting

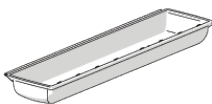
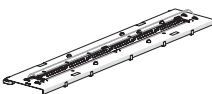
Linear luminaire With LED

GRP

6002/4148-0100-152-2220-22-8500 Art. No. 267077

STAHL

### Spare Parts

| Cover  |   | Art. No. |
|--|---|----------|
|  | for luminaire size 4  | 222428   |
| Reflector Plate  |   | Art. No. |
|  | Spare part for 6002 or upgrade 6001 size 4, colour temperature 5000 K | 270813   |

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.