

Lighting

Linear luminaire With LED

GRP

6402/4144-9101-152-1110-11-850S Art. No. 310118



- 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 | IBEx U 14 ATEX 1292 |
| ATEX gas explosion protection | ⊕ II 3 G Ex ec IIC T4 Gc |
| ATEX dust certificate | IBEx U 14 ATEX 1292 |
| ATEX dust explosion protection | ⊕ II 2 D Ex tb op is / tc IIIC T100 °C Db |
| Certificates and approvals | ATEX IECEX UKEX |
| Certificates | ATEX (IBE), IECEX (IBE) |
| Declaration of Conformity | ATEX (EUK), Declaration of Conformity (AUS) |

Electrical Data

| | |
|------------------------------|---------------|
| Rated operational voltage AC | 220 – 240 V |
| Rated operational voltage DC | 196 ... 250 V |
| Frequency range | 50 – 60 Hz |

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 |

Lighting

Linear luminaire With LED

GRP

6402/4144-9101-152-1110-11-850S Art. No. 310118



Lighting Data

| | |
|--------------------|----------|
| Luminaire efficacy | 138 lm/W |
| Luminous flux | 5810 lm |
| Colour rendering | ≥ 80 |
| Colour temperature | 5000 K |

Ambient Conditions

| | |
|------------------------|--|
| Ambient temperature °C | -40 °C ... +50 °C (T100 °C) Note: Through wiring Max. 3x16 A -40 °C ... +55 °C (T100 °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 color | Light grey (RAL 7035) |
| Diffuser | Without 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 ² |
| Max. finely stranded connection terminals | 4 mm ² |
| Type of connection cable | Finely stranded 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 | Yes |

Components

| | |
|--------------------------|---------------------------------------|
| Threaded plate | 2x plastic |
| Ballast | CG Luxtronic 48 W 300mA (91) |
| Through wiring | With 5 conductors 2.5 mm ² |
| Drilled holes | 3 x M25 |
| Cable glands and entries | 2 x M25 Ø 7 ... |
| Material cable gland | Polyamide, black |
| Stopping plugs | 2 x M25 x 1.5 |
| Stopping plug material | Polyamide, black |
| Accessories | Provided |

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

Accessories

Breather

Art. No.

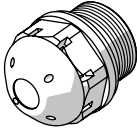
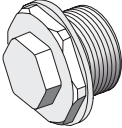
Lighting

Linear luminaire With LED

GRP


6402/4144-9101-152-1110-11-850S Art. No. 310118



| | | |
|--|---|--------|
|  | 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 |

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 |
|--|---|--------|

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.