

Lighting

Linear luminaire With LED

GRP

6402/4148-6100-152-2220-22-8500 Art. No. 267055



- 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 | 100 – 240 V |
| Rated operational voltage DC | 110 ... 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 |

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Lighting Data

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

Ambient Conditions

| | |
|---------------------|--|
| Ambient temperature | -40 °C ... +55 °C (T100 °C) Note: Through wiring Max. 3x16 A -40 °C ... +60 °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 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 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 | 5.7 kg |
| Weight | 12.57 lb |
| Disconnection of the luminaire | No |

Components

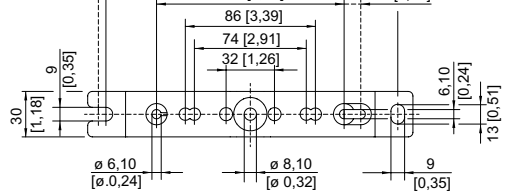
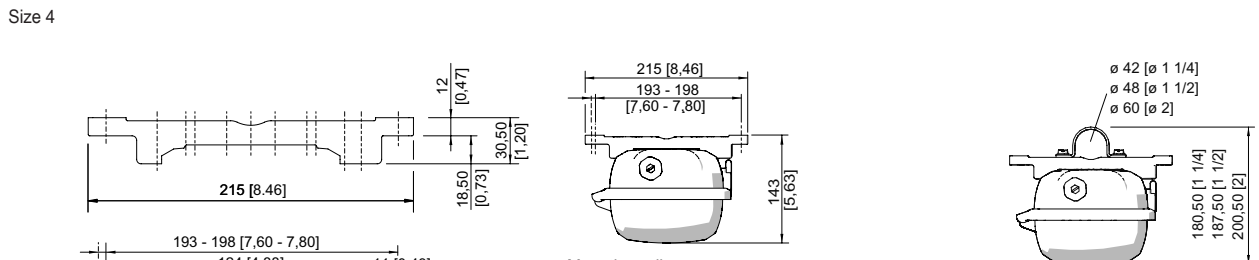
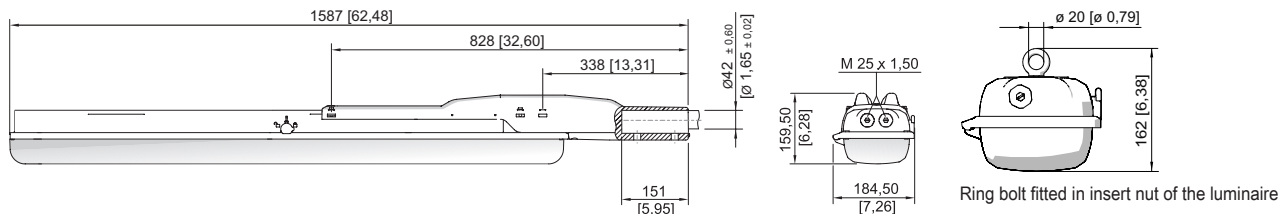
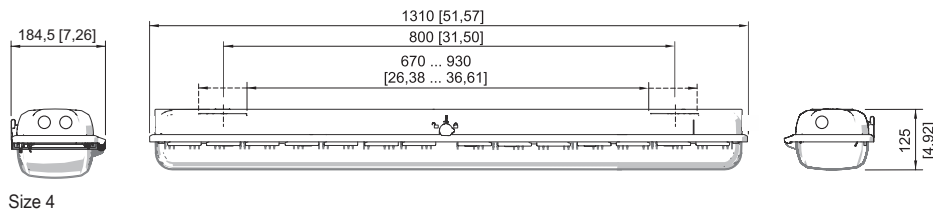
| | |
|--------------------------|---------------------------------------|
| Threaded plate | 2x SS430 stainless steel |
| Ballast | VG Luxtronic 40 W 300 mA |
| Through wiring | With 5 conductors 2.5 mm ² |
| Drilled holes | 3 x M20 |
| Cable glands and entries | Can be ordered as accessories |
| Stopping plugs | Can be ordered as accessories |
| Accessories | without |

Light Distribution Curves



typical with diffusor, clear translucent cover

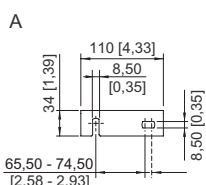
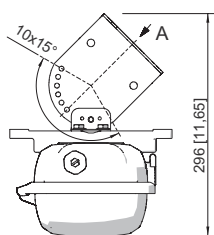
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Mounting rail



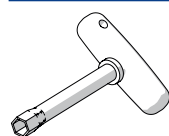
Mounting bracket fitted in mounting rail



Wall mounting bracket fitted in mounting rail

Accessories

Box spanner

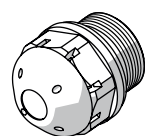


M8 / A/F 13;
For actuating the central lock

Art. No.

222430

Breather



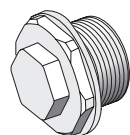
Thread: M25 x 1.5; 20 pc; for installation in lights; in moulded material; without counter nut

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

Art. No.

138576

285780



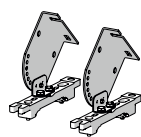
Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut

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

296608

296608

Ceiling and wall mounting bracket

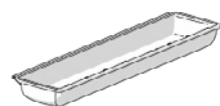


mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair

Art. No.

222827

Cover



For size 4 luminaires (diffuse), when used on an emergency luminaire with individual power supply, the visibility of the display LED may be restricted

Art. No.

276670

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

Lighting

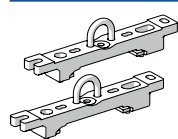
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STAHL

Mounting bracket

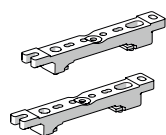


mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair

Art. No.

222456

Mounting rail

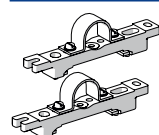


for a variable mounting distance; 1 pair

Art. No.

222826

Pipe clamp



R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair

R 1 1/4"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair

R 2"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair

Art. No.

222459

222458

222460

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

Ring bolt



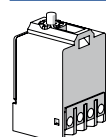
M8, direct mounting in insert nuts; 1 pair

Art. No.

115736

Spare Parts

Contact element

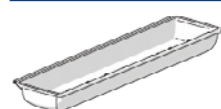


8080/1-3-L 2 NC contact element

Art. No.

132527

Cover

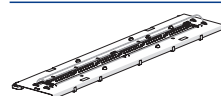


for luminaire size 4

Art. No.

222428

Reflector Plate



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

Art. No.

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.