

# Lighting

## Linear luminaire With LED

### GRP

6202/1143-0100-332-2220-22-757 Art. No. 324969

STAHL



- Smart Central Locking System – Allows effortless access for quick maintenance, minimizing downtime and enhancing operational efficiency.
- Wide Voltage of 100 to 277 V AC – Makes the light fixtures suitable for different applications & environment
- Advanced Surge Protection up to 6KV – Engineered for resilience, the robust design shields the luminaire from electrical surges, ensuring long- lasting performance
- Superior Energy Efficiency – Achieves an outstanding 125+ lumens per watt, delivering maximum illumination with minimal energy consumption
- Long- Lasting LED Performance – Designed for durability, the luminaire delivers over 1,00,000 hours (L70B50) of service life even in +60°C ambient conditions

MY R. STAHL

The 6202 linear LED luminaire is built to withstand harsh conditions, making it ideal for industries such as oil & gas, specialty chemicals, and pharmaceuticals and similar hazardous environments. With its high-performance illumination, it is perfect for lighting large surfaces at mounting heights of up to 10 meters, as well as illuminating equipment and objects both indoors and outdoors. For added flexibility, the luminaire can be easily mounted on poles using the pole mounting sleeve accessory, ensuring adaptable installation across various industrial settings.

## Technical Data

### Explosion Protection

|                                 |                       |
|---------------------------------|-----------------------|
| Ex version                      | Yes                   |
| Application range (zones)       | 1, 2, 21, 22          |
| IECEX gas certificate           | IECEX EPS 25.0020X    |
| IECEX gas explosion protection  | Ex db eb mb IIC T4 Gb |
| IECEX dust certificate          | IECEX EPS 25.0020X    |
| IECEX dust explosion protection | Ex tb IIIC T80 °C Db  |
| Certificates                    | IECEX (BVIS)          |

### Electrical Data

|                              |               |
|------------------------------|---------------|
| Rated operational voltage AC | 100 ... 277 V |
| Rated operational voltage DC | 110 ... 277 V |
| Frequency range              | 50 – 60 Hz    |

### Lighting Data

|                    |                                |
|--------------------|--------------------------------|
| Number of lamps    | 1                              |
| Lamp wattage       | 48 W                           |
| Lamp               | LED                            |
| Light colour       | 5700 K – cool white            |
| Light distribution | 120°x120° with diffusing glass |
| Luminaire efficacy | 126 lm/W                       |
| Luminous flux      | 5999 lm                        |
| Colour rendering   | ≥ 70                           |
| Colour temperature | 5700 K                         |

### Ambient Conditions

|                        |  |
|------------------------|--|
| Ambient temperature °C | -40 °C ... +60 °C Note: Through wiring Max. 3x10 A |
|------------------------|--|

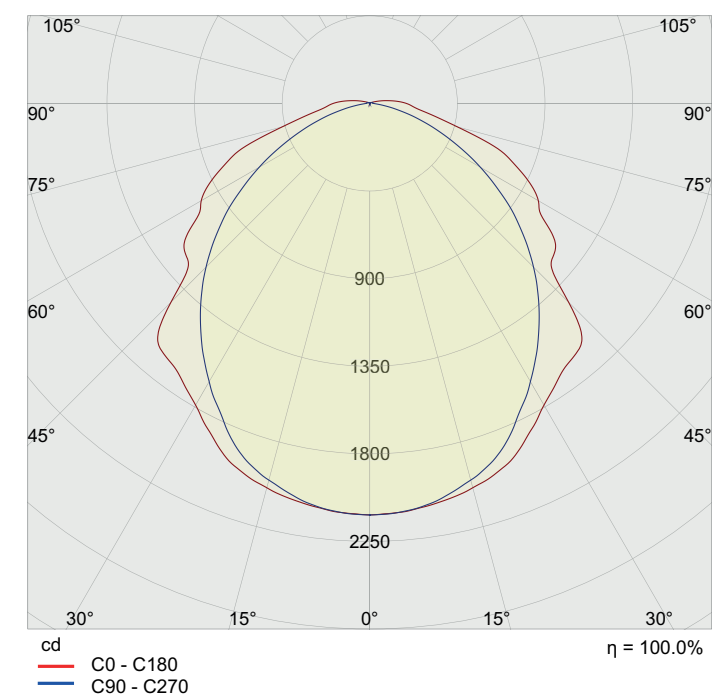
**Mechanical Data**

|   |   |
|---|---|
| Version                                   | Standard                                |
| IP degree of protection (IEC 60598)       | IP66/IP67                               |
| Enclosure material                        | Polyester resin, Glass fibre reinforced |
| Enclosure color                           | 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                             |
| Max. solid connection terminals           | 4 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                                    | 6.9 kg                                  |
| Weight                                    | 15.21 lb                                |
| Disconnection of the luminaire            | No                                      |

**Components**

|                          |                                       |
|--------------------------|---------------------------------------|
| Threaded plate           | 2x stainless steel                    |
| Ballast                  | 6049/111-110-10                       |
| Through wiring           | With 3 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                               |

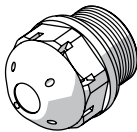
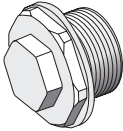
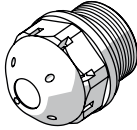
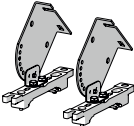
Light Distribution Curves



Size 4

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

Accessories

| Breather   |  | Art. No. |
|--|--|----------|
|  | Thread: M25 x 1.5 (20 pieces); without jam nut   | 285780   |
|  | 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   |
|  | 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   |
|  | M25 x 1.5 in order to avoid condensate formation   | 115738   |
| Ceiling and wall mounting bracket  |  | Art. No. |
|  | mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair | 222827   |
|  | mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair | 222827   |

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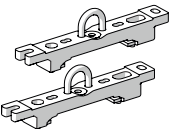
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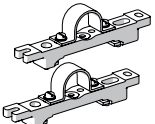
#### Mounting bracket

|  |  |        |
|--|--|--------|
|  | mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair | 222456 |
|  | mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair | 222456 |

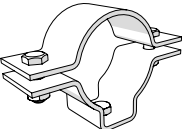
#### Mounting rail

|  |  |        |
|--|--|--------|
|  | for a variable mounting distance; 1 pair | 222826 |
|  | for a variable mounting distance; 1 pair | 222826 |

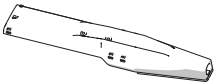
#### Pipe clamp

|  |  |        |
|--|--|--------|
|  | R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair | 222459 |
|  | 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 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 |
|  | R 2"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair     | 222460 |


#### Pole mounting

|  |  |        |
|--|--|--------|
|  | Pole mounting acces. 1.4301 ø38mm-1 pair | 324916 |
|  | Pole mounting acces. 1.4301 ø38mm-1 pair | 324916 |
|  | Pole mounting acces. 1.4301 ø42mm-1 pair | 324914 |
|  | Pole mounting acces. 1.4301 ø42mm-1 pair | 324914 |
|  | Pole mounting acces. 1.4301 ø50mm-1 pair | 324915 |
|  | Pole mounting acces. 1.4301 ø50mm-1 pair | 324915 |
|  | Pole mounting acces. 1.4301 ø60mm-1 pair | 324912 |
|  | Pole mounting acces. 1.4301 ø60mm-1 pair | 324912 |
|  | Pole mounting acces. 1.4404 ø50mm-1 pair | 324917 |
|  | Pole mounting acces. 1.4404 ø50mm-1 pair | 324917 |
|  | Pole mounting acces. 1.4404 ø60mm-1 pair | 324913 |
|  | Pole mounting acces. 1.4404 ø60mm-1 pair | 324913 |

#### Pole mounting sleeve

|  |   |        |
|--|---|--------|
|  | for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm) | 227512 |
|  | for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm) | 227512 |

#### Ring bolt

|  |  |        |
|--|--|--------|
|  | M8, direct mounting in insert nuts; 1 pair | 115736 |
|  | M8, direct mounting in insert nuts; 1 pair | 115736 |

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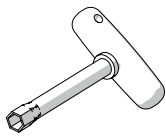
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#### Socket wrench

#### Art. No.



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

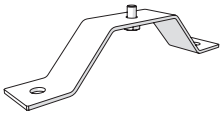
222430

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

222430

#### Wall mounting

#### Art. No.



Wall/ceiling mtg.bkt. 1.4301w-1pair

324918

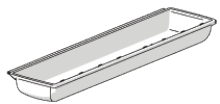
Wall/ceiling mtg.bkt. 1.4301w-1pair

324918

## Spare Parts

#### Cover

#### Art. No.



for luminaire size 4

222428

for luminaire size 2

222427

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.