

Lighting  
Linear luminaire With LED  
GRP



6602/1223-0100-152-1111-11-857    Art. No. 325351



- Smart Central Locking System – Allows effortless access for quick maintenance, minimizing downtime and enhancing operational efficiency.
- Advanced Surge Protection up to 2KV – Engineered for resilience, the robust design shields the luminaire from electrical surges, ensuring long-lasting performance.
- Superior Energy Efficiency – Achieves an outstanding 130 lumens per watt, delivering maximum illumination with minimal energy consumption.
- Long-Lasting LED Performance – Designed for durability, the luminaire delivers over 60,000 hours of service life even in +55°C ambient conditions.

MY R. STAHL 6602A

The 6602 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)       | 2, 21, 22                                          |
| IECEX gas certificate           | IECEX IBE 24.0030                                  |
| IECEX gas explosion protection  | Ex nR IIC T6 Gc                                    |
| IECEX dust certificate          | IECEX IBE 24.0030                                  |
| IECEX dust explosion protection | Ex tb IIIC T85 °C Db                               |
| Certificates                    | IECEX (IBE)                                        |
| Electrical Data                 |                                                    |
| Rated operational voltage AC    | 220 ... 240 V                                      |
| Rated operational voltage DC    | 220 ... 240 V                                      |
| Frequency range                 | 50 – 60 Hz                                         |
| Lighting Data                   |                                                    |
| Number of lamps                 | 1                                                  |
| Lamp wattage                    | 22 W                                               |
| Lamp                            | LED                                                |
| Light colour                    | 5700 K – cool white                                |
| Light distribution              | 120°x120° with diffusing glass                     |
| Luminaire efficacy              | 125 lm/W                                           |
| Luminous flux                   | 2837 lm                                            |
| Colour rendering                | ≥ 80                                               |
| Colour temperature              | 5700 K                                             |
| Ambient Conditions              |                                                    |
| Ambient temperature             | -30 °C ... +55 °C Note: Through wiring Max. 3x10 A |
| Mechanical Data                 |                                                    |
| Version                         | Standard                                           |

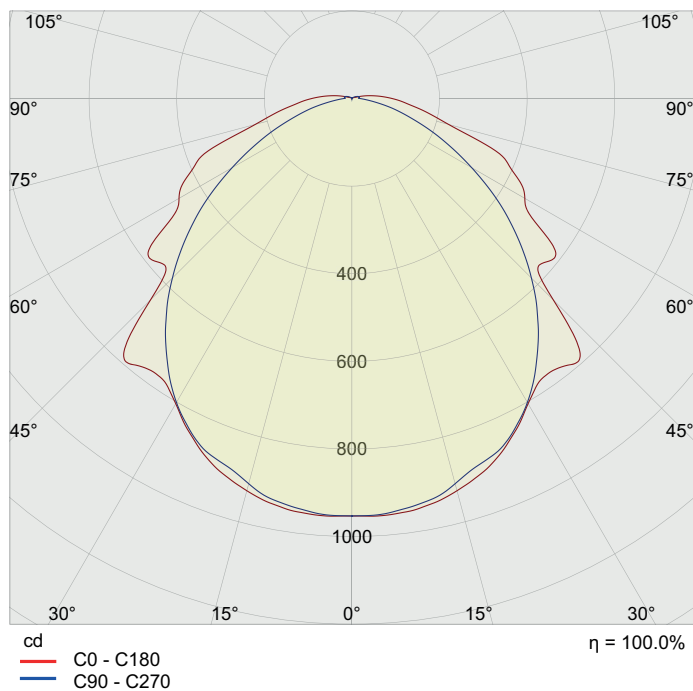
#### Mechanical Data

|                                           |                                         |
|-------------------------------------------|-----------------------------------------|
| 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 <sup>2</sup>                       |
| Max. finely stranded connection terminals | 4 mm <sup>2</sup>                       |
| Type of connection cable                  | Finely stranded<br>Solid                |
| Size                                      | 2                                       |
| Width                                     | 184 mm                                  |
| Height                                    | 125 mm                                  |
| Length                                    | 700 mm                                  |
| Impact strength (IEC 62262)               | IK10                                    |
| Weight                                    | 3.7 kg                                  |
| Weight                                    | 8.16 lb                                 |
| Disconnection of the luminaire            | No                                      |

#### Components

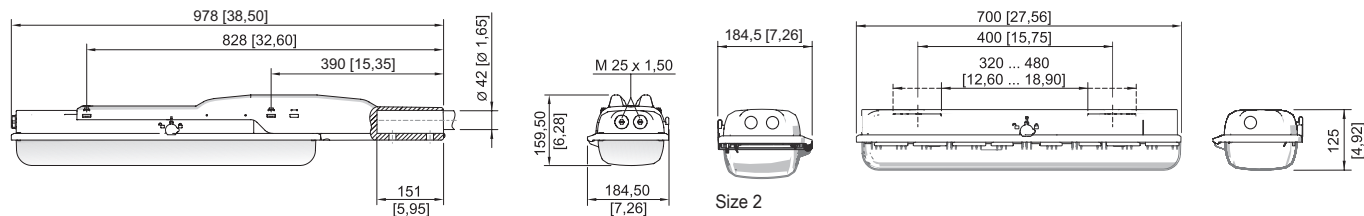
|                          |                                       |
|--------------------------|---------------------------------------|
| Threaded plate           | 2x plastic                            |
| Ballast                  | Inventronics -OT FIT                  |
| Through wiring           | With 5 conductors 2.5 mm <sup>2</sup> |
| Drilled holes            | 4 x M25                               |
| Cable glands and entries | 3xM25 Ø 7 ... 17 mm (1x plug)         |
| Material cable gland     | Polyamide, black                      |
| Stopping plugs           | 1 x M25 x 1.5                         |
| Stopping plug material   | Polyamide, black                      |
| Accessories              | Provided                              |

#### Light Distribution Curves

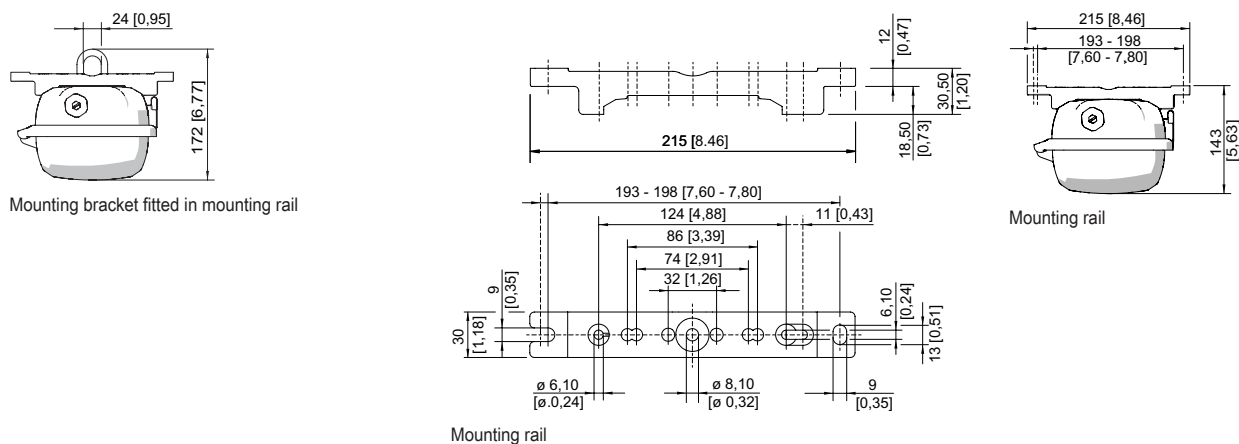


Size 2

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



Size 2



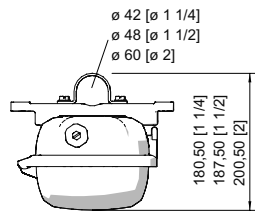
# Lighting

## Linear luminaire With LED

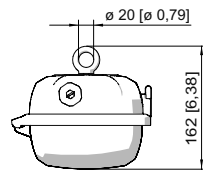
### GRP

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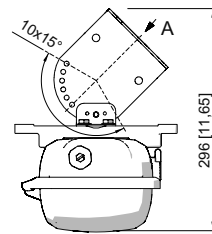
STAHL



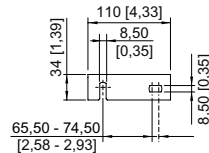
Pipe clamp fitted in mounting rail



Ring bolt fitted in insert nut of the luminaire



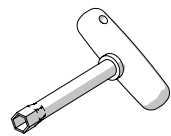
A



Wall mounting bracket fitted in mounting rail

## Accessories

### Box spanner

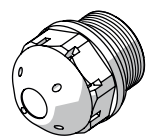


M8 / A/F 13;  
For actuating the central lock

Art. No.

222430

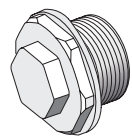
### Breather



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

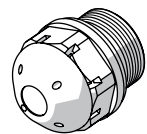
Art. No.

285780



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

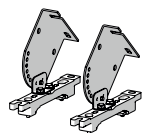
296608



M25 x 1.5 in order to avoid condensate formation

115738

### Ceiling and wall mounting bracket

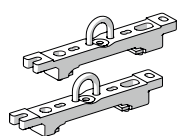


mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair

Art. No.

222827

### Mounting bracket

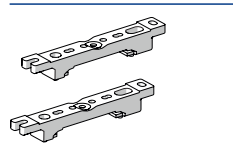


mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair

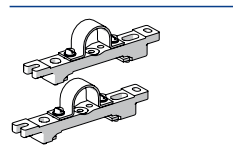
Art. No.

222456

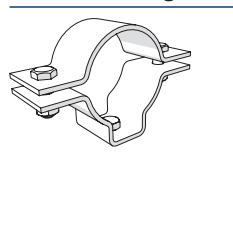
#### Mounting rail

|                                                                                  |                                          |                    |
|----------------------------------------------------------------------------------|------------------------------------------|--------------------|
|  | for a variable mounting distance; 1 pair | Art. No.<br>222826 |
|----------------------------------------------------------------------------------|------------------------------------------|--------------------|

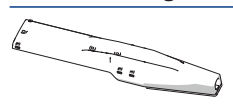
#### Pipe clamp

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

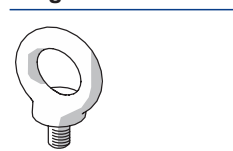
#### Pole mounting

|                                                                                  |                                          |                    |
|----------------------------------------------------------------------------------|------------------------------------------|--------------------|
|  | Pole mounting acces. 1.4301 ø38mm-1 pair | Art. No.<br>324916 |
|                                                                                  | Pole mounting acces. 1.4301 ø42mm-1 pair | 324914             |
|                                                                                  | Pole mounting acces. 1.4301 ø50mm-1 pair | 324915             |
|                                                                                  | Pole mounting acces. 1.4301 ø60mm-1 pair | 324912             |
|                                                                                  | Pole mounting acces. 1.4404 ø50mm-1 pair | 324917             |
|                                                                                  | Pole mounting acces. 1.4404 ø60mm-1 pair | 324913             |

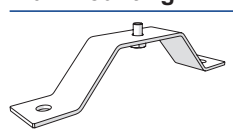
#### Pole mounting sleeve

|                                                                                    |                                                                                                                   |                    |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------|
|  | for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm) | Art. No.<br>227512 |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------|

#### Ring bolt

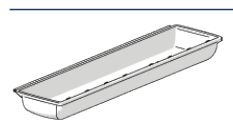
|                                                                                    |                                            |                    |
|------------------------------------------------------------------------------------|--------------------------------------------|--------------------|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

#### Wall mounting

|                                                                                    |                                     |                    |
|------------------------------------------------------------------------------------|-------------------------------------|--------------------|
|  | Wall/ceiling mtg.bkt. 1.4301w-1pair | Art. No.<br>324918 |
|------------------------------------------------------------------------------------|-------------------------------------|--------------------|

### Spare Parts

#### Cover

|                                                                                    |                      |                    |
|------------------------------------------------------------------------------------|----------------------|--------------------|
|  | for luminaire size 2 | Art. No.<br>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.