

Lighting

Linear luminaire With LED

GRP

6002/4168-0201-152-1110-11-8500 Art. No. 276335



- 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

WebCode 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 mb 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 | ⊕ II 2 G Ex db eb ib mb op is IIC T4 Gb |
| ATEX dust certificate | IBExU 14ATEX1088 |
| ATEX dust explosion protection | ⊕ II 2 D Ex tb op is IIIC T100 °C Db |
| Certificates | ATEX (IBE), Brazil (ULB), China (CQST), IECEX (IBE) |

Electrical Data

| | |
|------------------------------|-------------|
| Rated operational voltage DC | 250 V |
| Rated operational voltage AC | 110 – 240 V |
| Rated operational voltage DC | 110 – 250 V |
| Frequency range | 50 – 60 Hz |

Lighting Data

| | |
|--------------------|--------------------------------|
| Number of lamps | 1 |
| Lamp wattage | 50 W |
| Lamp | LED |
| Light colour | Neutral white |
| Light distribution | 120°x120° with diffusing glass |
| Luminaire efficacy | 139 lm/W |

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Lighting Data

| | |
|--------------------|---------|
| Luminous flux | 6960 lm |
| Colour rendering | ≥ 80 |
| Colour temperature | 5000 K |

Ambient Conditions

| | |
|---------------------|--|
| Ambient temperature | -20 °C ... +50 °C Note: Through wiring max. 3x16 A -20 °C ... +60 °C Note: Through wiring 2 max. 3x10 A |
|---------------------|--|

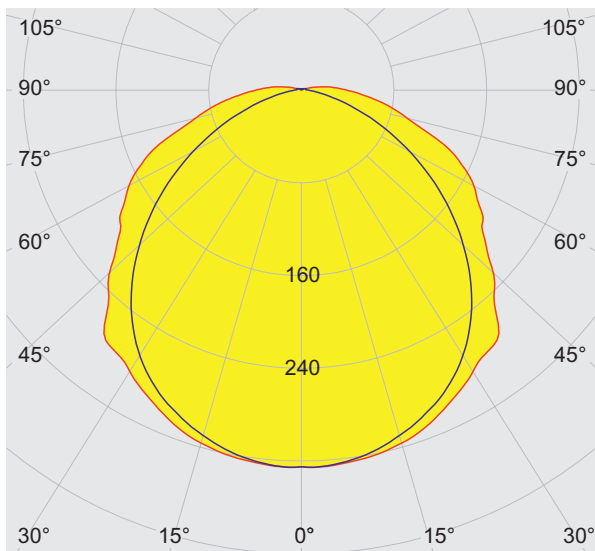
Mechanical Data

| | |
|---|---|
| Version | Standard |
| Degree of protection IP (IEC 60598) | IP66 |
| Enclosure material | Polyester resin, Glass fibre reinforced |
| Diffuser | With diffuser |
| Sealing material | Silicone |
| Silicon free | Contains silicone |
| Material translucent cover | Polycarbonate |
| Installed terminal strip | PE + N + L1 + L2 + L3 |
| Connection terminals solid max. | 6 mm ² |
| Connection terminals finely-stranded max. | 4 mm ² |
| Type of connection cable | Finely stranded Solid |
| Design size | 6 |
| Width | 184 mm |
| Height | 125 mm |
| Length | 1610 mm |
| Impact strength (IEC 62262) | IK10 |
| Enclosure colour | Light grey (RAL 7035) |
| Weight | 8 kg |
| Weight | 17.64 lb |
| Disconnection of the luminaire | Yes |

Components

| | |
|------------------------|---------------------------------------|
| Threaded plate | 2x plastic |
| Ballast | 6045/211-110-10 |
| Through wiring | With 5 conductors 2.5 mm ² |
| Drilled holes | 3 x M25 |
| Cable entries | 2 x M25 Ø 7 – 17 mm |
| Material cable gland | Polyamide, black |
| Stopping plug | 2 x M25 x 1.5 |
| Stopping plug material | Polyamide, black |
| Accessories | Provided |

Light Distribution Curves

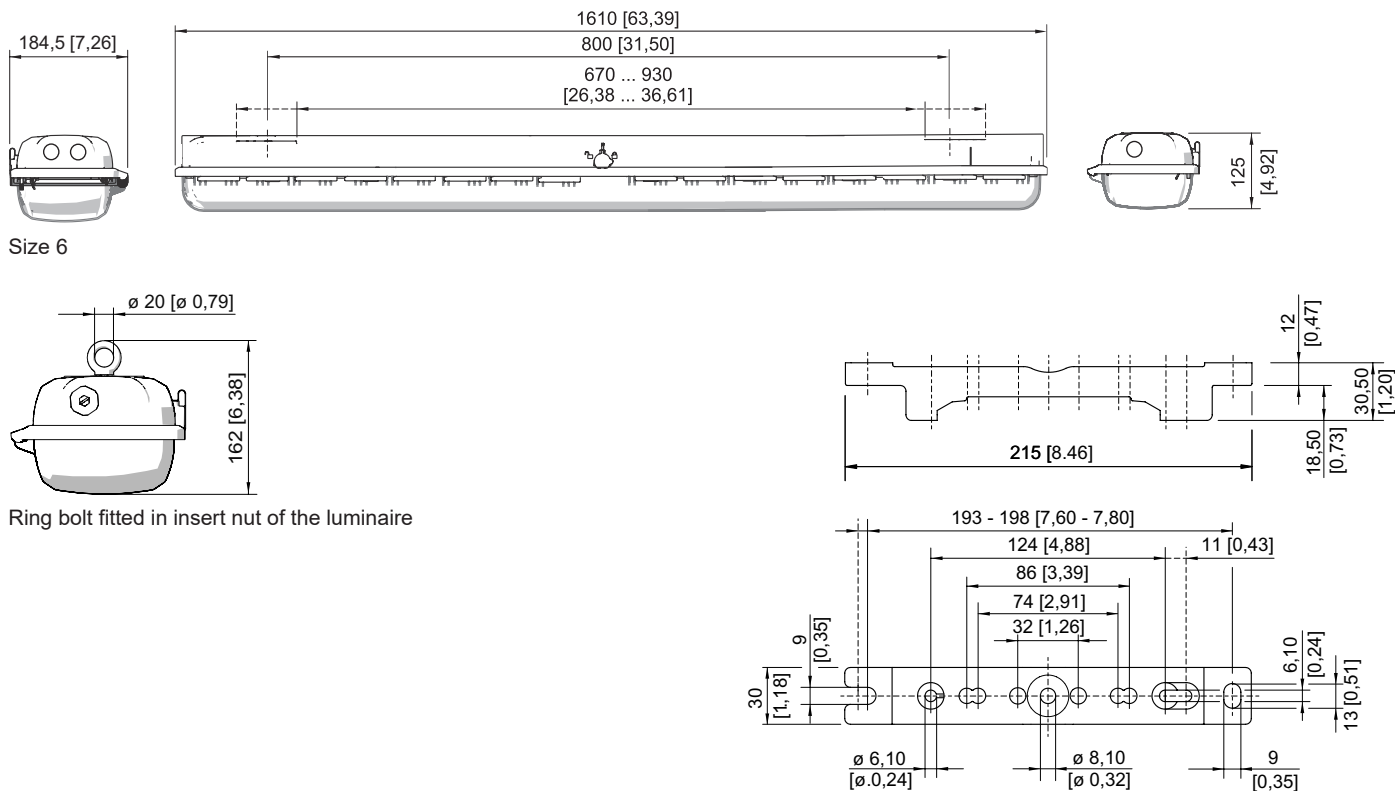


cd/klm 100%

— C0 - C180 — C90 - C270

typical with diffusor, clear translucent cover

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



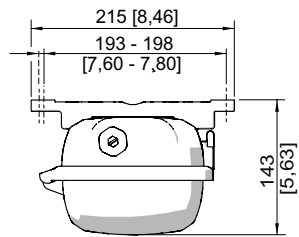
Mounting rail

Lighting

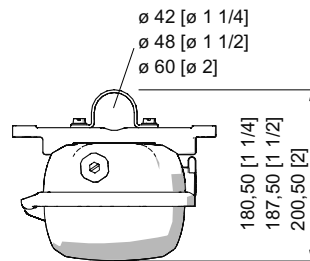
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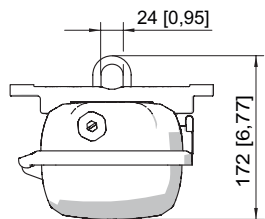
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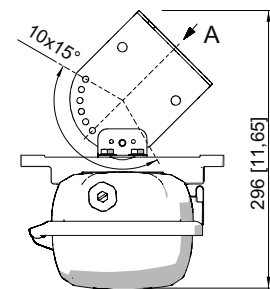
Mounting rail



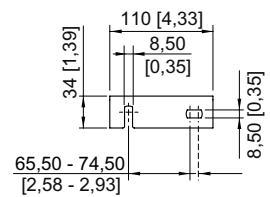
Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail



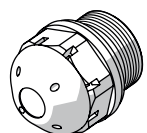
A



Wall mounting bracket fitted in mounting rail

Accessories

Breather



Thread: M25 x 1.5; 1 pc; for installation in lights; in moulded material; without counter nut

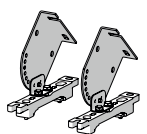
Art. No.

138573

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

138576

Ceiling and wall mounting bracket

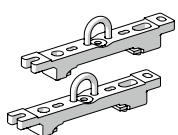


mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair

Art. No.

222827

Mounting bracket

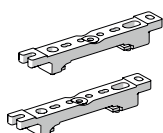


mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair

Art. No.

222456

Mounting rail



for a variable mounting distance; 1 pair

Art. No.

222826

Lighting

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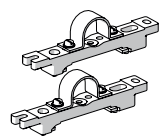
GRP

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STAHL

Pipe clamp

Art. No.



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

222460

Ring bolt

Art. No.

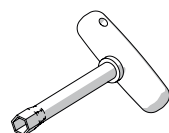


M8, direct mounting in insert nuts; 1 pair

115736

Socket key

Art. No.



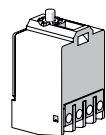
M8 / wrench size 13;
to open/close the central locking

222430

Spare Parts

Contact element

Art. No.

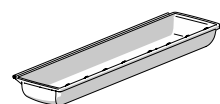


8080/1-3-L 2 NC contact element

132527

Cover

Art. No.



for luminaire size 6

222429

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