

# Lighting

## Linear luminaire With LED

GRP

6002/4168-0200-152-1110-11-8500 Art. No. 278349



- 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

# Lighting

## Linear luminaire With LED

### GRP

6002/4168-0200-152-1110-11-8500 Art. No. 278349



#### 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
---------------------	--

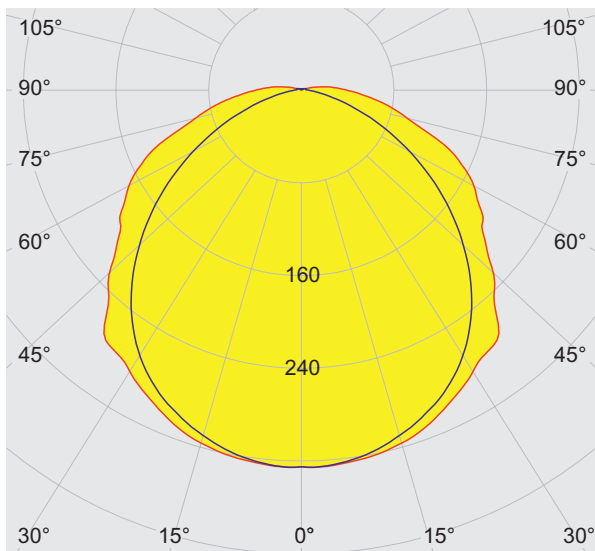
#### Mechanical Data

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 <sup>2</sup>
Connection terminals finely-stranded max.	4 mm <sup>2</sup>
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	No

#### Components

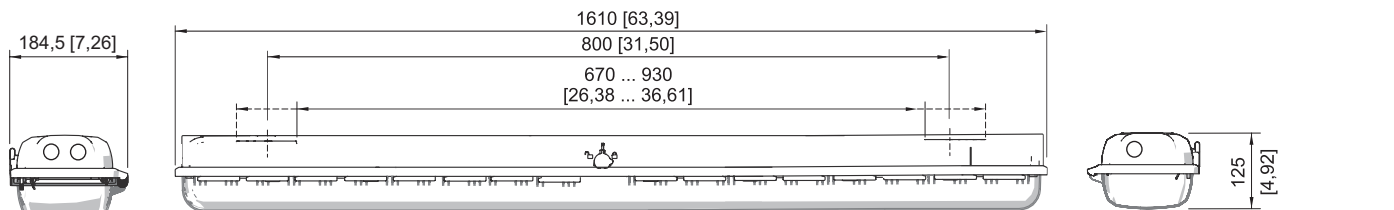
Threaded plate	2x plastic
Ballast	6045/211-110-10
Through wiring	With 5 conductors 2.5 mm <sup>2</sup>
Drilled holes	3 x M25
Cable entries	2 x M25 Ø 7 – 17 mm
Material cable gland	Polyamide, black
Stopping plug	2 x M25 x 1.5
Stopping plug material	Polyamide, black
Accessories	Provided

#### Light Distribution Curves

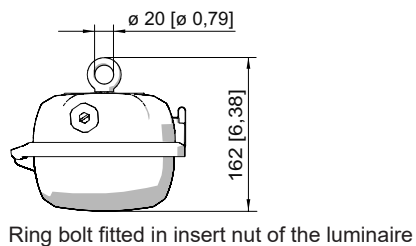


cd/klm 100%  
 — C0 - C180 — C90 - C270  
 typical with diffusor, clear translucent cover

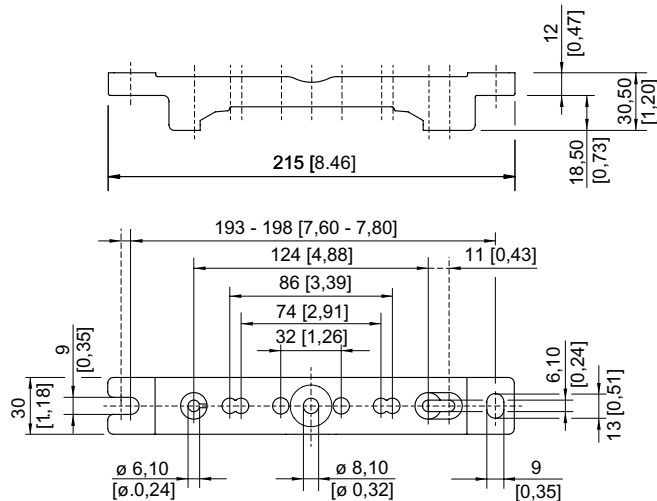
#### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Size 6



Ring bolt fitted in insert nut of the luminaire



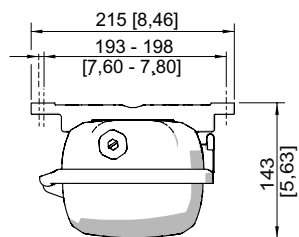
Mounting rail

# Lighting

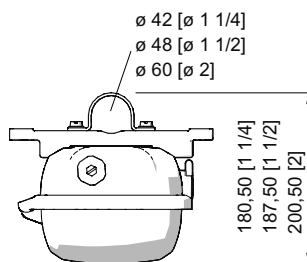
## Linear luminaire With LED

### GRP

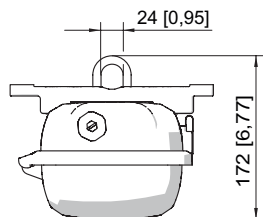
6002/4168-0200-152-1110-11-8500 Art. No. 278349



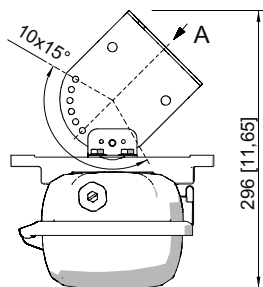
Mounting rail



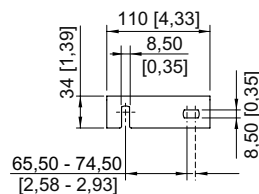
Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail



A



Wall mounting bracket fitted in mounting rail

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.