

# Lighting

## Linear luminaire With LED

GRP

6002/4148-0100-152-1110-11-8500 Art. No. 267074



- 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), IECEX (IBE), Taiwan (ITRI)
Ship approval	DNVGL

#### Electrical Data

DC rated operational voltage	250 V
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	5000K - 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 ... +50 °C Note: Through wiring Max. 3x16 A -40 °C ... +60 °C Note: Through wiring 2 Max. 3x10 A
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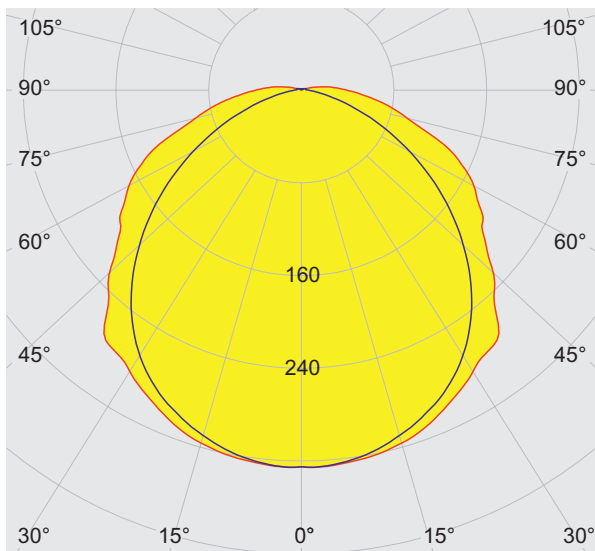
#### Mechanical Data

Version	Standard
IP degree of protection (IEC 60598)	IP66/IP67
Enclosure material	Polyester resin, Glass fibre reinforced
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	Solid Finely stranded
Size	4
Width	184 mm
Height	125 mm
Length	1310 mm
Impact strength (IEC 62262)	IK10
Enclosure colour	Light grey (RAL 7035)
Weight	6.9 kg
Weight	15.21 lb
Disconnection of the luminaire	No

#### Components

Threaded plate	2x plastic
Ballast	6045/211-120-10
Through wiring	With 5 conductors 2.5 mm <sup>2</sup>
Drilled holes	3 x M25
Cable glands and entries	2 x M25 Ø 7 – 17 mm
Material cable gland	Polyamide, black
Stopping plugs	2 x M25 x 1.5
Stopping plug material	Polyamide, black
Accessories	Provided

#### Light Distribution Curves

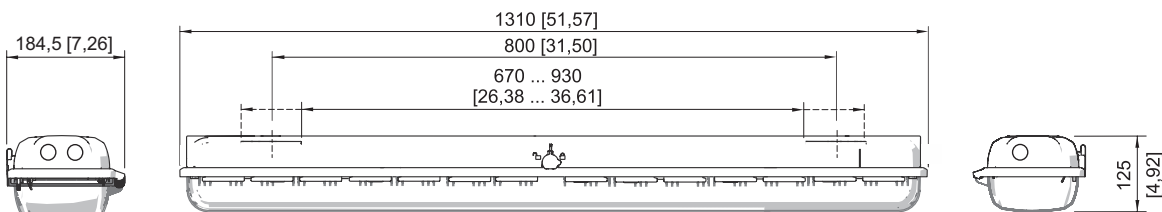


cd/klm 100%

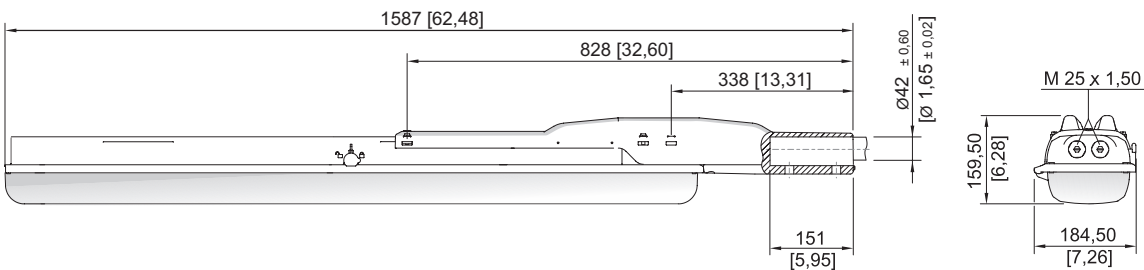
— C0 - C180 — C90 - C270

typical with diffusor, clear translucent cover

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



Size 4



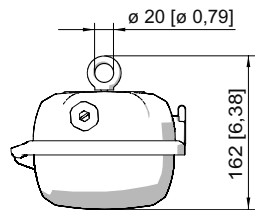
Size 4

# Lighting

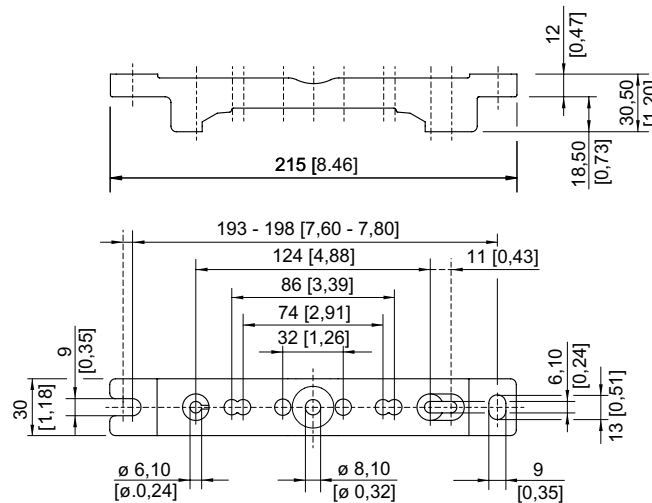
## Linear luminaire With LED

### GRP

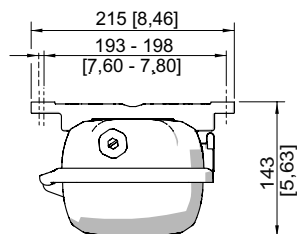
6002/4148-0100-152-1110-11-8500 Art. No. 267074



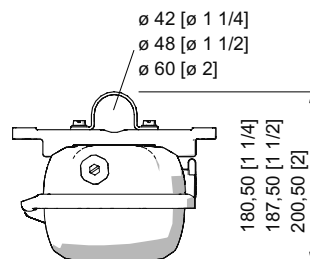
Ring bolt fitted in insert nut of the luminaire



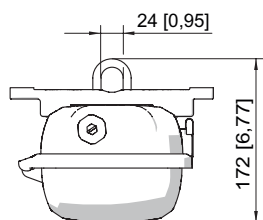
Mounting rail



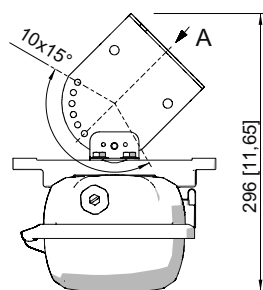
Mounting rail



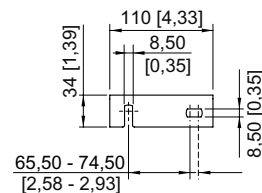
Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail



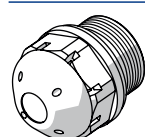
A



Wall mounting bracket fitted in mounting rail

## Accessories

### Breather



	Art. No.
Thread: M25 x 1.5; 1 pc; for installation in lights; in moulded material; without counter nut	138573
Thread: M25 x 1.5; 20 pc; for installation in lights; in moulded material; without counter nut	138576

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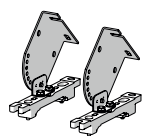
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STAHL

### Ceiling and wall mounting bracket

Art. No.

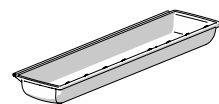


mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair

222827

### Cover

Art. No.

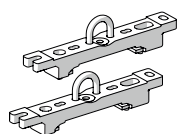


for luminaire size 4 (diffuse), the visibility of the indicator LED may be restricted when used on a single supplied emergency luminaire

276670

### Mounting bracket

Art. No.

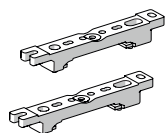


mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair

222456

### Mounting rail

Art. No.

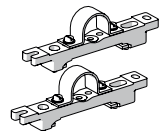


for a variable mounting distance; 1 pair

222826

### 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

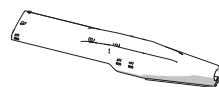
222458

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

222460

### Pole mounting sleeve

Art. No.



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

227512

### Ring bolt

Art. No.

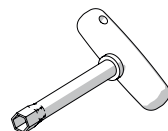


M8, direct mounting in insert nuts; 1 pair

115736

### Socket key

Art. No.



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

222430

## Spare Parts

### Contact element

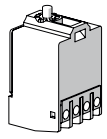
Art. No.

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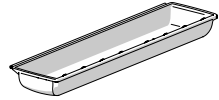
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8080/1-3-L 2 NC contact element

132527

## Cover



for luminaire size 4

Art. No.

222428

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