

Lighting

Linear luminaire With LED

GRP

6402/4168-6200-152-1110-11-8500 Art. No. 276351



- State-of-the-art LED technology with high luminous efficacy and 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 with address modules for directly actuation of a common battery system

WebCode 6402C



The linear luminaire with Series 6402/4 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 an address module. 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)	2 22
IECEX gas certificate	IECEX IBE 14.0080
IECEX gas explosion protection	Ex ec IIC T4 Gc
IECEX dust certificate	IECEX IBE 14.0080
IECEX dust explosion protection	Ex tb op is / tc IIIC T100 °C Db
ATEX gas certificate	IBEx U 14 ATEX 1292
ATEX gas explosion protection	⊕ II 3 G Ex ec IIC T4 Gc
ATEX dust certificate	IBEx U 14 ATEX 1292
ATEX dust explosion protection	⊕ II 2 D Ex tb op is ... tc IIIC T100 °C Db
Certificates	ATEX (IBE), EAC (ENDCE), IECEX (IBE), Polen (CNBOP)

Electrical Data

Rated operational voltage DC	250 V
Rated operational voltage AC	220 – 240 V
Rated operational voltage DC	200 – 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
Luminous flux	6960 lm
Colour rendering	≥ 80

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Lighting Data

Colour temperature	5000 K
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Ambient Conditions

Ambient temperature	-20 °C ... +55 °C (T100 °C) Note: Through wiring max. 3x16 A -20 °C ... +60 °C (T100 °C) Note: Through wiring 2 max. 3x10 A
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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	7 kg
Weight	15.43 lb
Disconnection of the luminaire	No

Components

Threaded plate	2x plastic
Ballast	VG Luxtronic 80 W 350 mA
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

Lighting

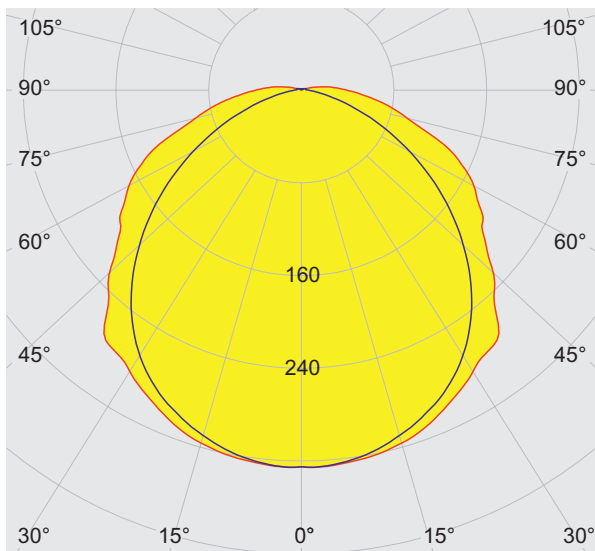
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Light Distribution Curves

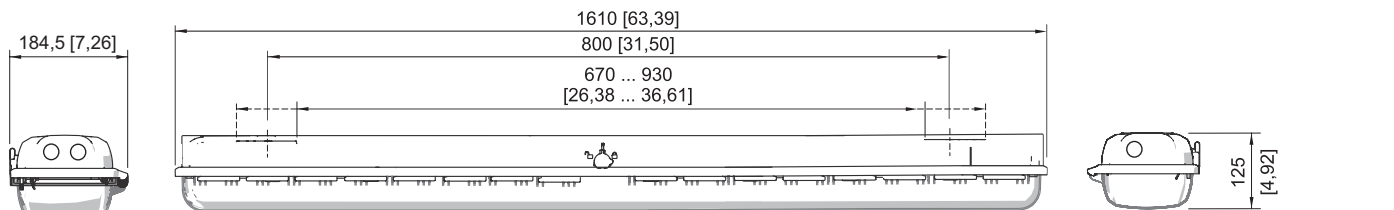


cd/klm 100%

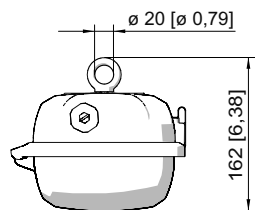
— C0 - C180 — C90 - C270

typical with diffusor, clear translucent cover

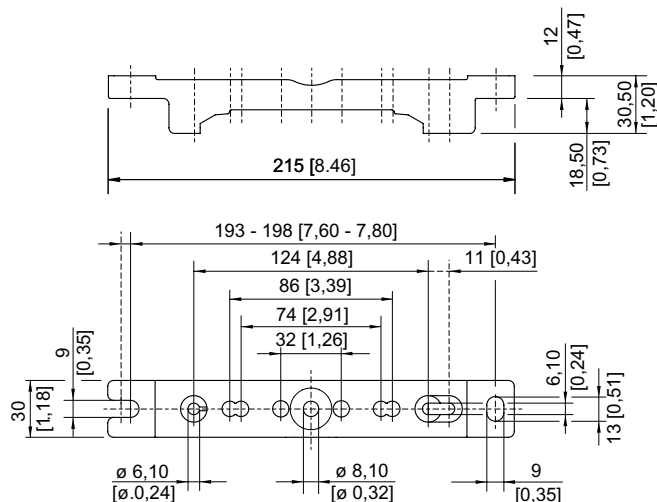
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Size 6



Ring bolt fitted in insert nut of the luminaire



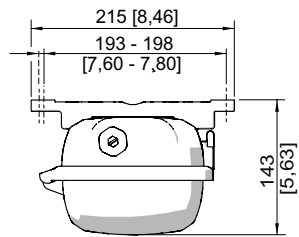
Mounting rail

Lighting

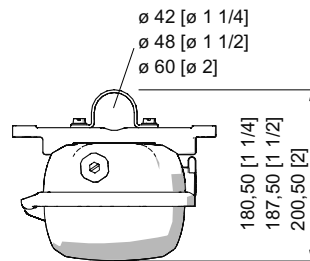
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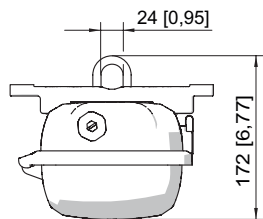
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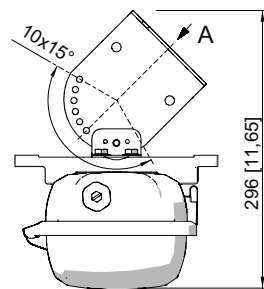
Mounting rail



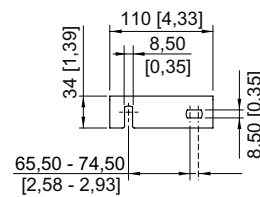
Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail



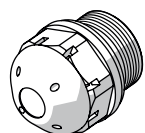
A



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

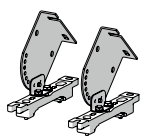
Art. No.

138573

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

138576

Ceiling and wall mounting bracket

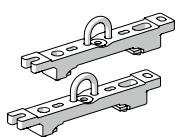


mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair

Art. No.

222827

Mounting bracket

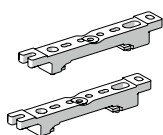


mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair

Art. No.

222456

Mounting rail



for a variable mounting distance; 1 pair

Art. No.

222826

Lighting

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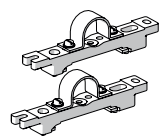
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Pipe clamp

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.

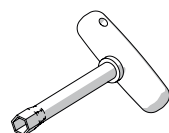


M8, direct mounting in insert nuts; 1 pair

115736

Socket key

Art. No.



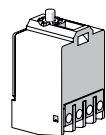
M8 / wrench size 13;
to open/close the central locking

222430

Spare Parts

Contact element

Art. No.

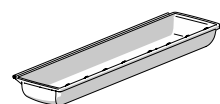


8080/1-3-L 2 NC contact element

132527

Cover

Art. No.



for luminaire size 6

222429

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