

# Lighting

## Linear luminaire with LED

GRP

6002/4128-0100-152-2220-22-8500 Art. No. 267067



- 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
EAC certificate	EAEU RU S-DE.HA91.B.00015/19
EAC dust explosion protection	⊕ Ex tb IIIC T100°C Db X
Certificates	ATEX (IBE), Brazil (ULB), China (CQST), EAC (ENDCE), IECEX (IBE), India (PESO), Japan (CML), Polen (CNBOP)
Ship approval	DNVGL

#### Electrical Data

Rated operational voltage DC	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	22 W

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#### Lighting Data

Lamp	LED
Light colour	neutral white
Light distribution	120°x120° with diffusion disc
Luminaire efficacy	132 lm/W
Luminous flux	2910 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
Degree of protection IP (IEC 60598)	IP66/IP67
Enclosure material	Polyester resin, glass fibre-reinforced
Diffuser	with Diffusor
Sealing material	Silicone
Silicon free	2
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	solid finely-stranded
Design size	2
Width	184 mm
Height	125 mm
Length	700 mm
Impact strength (IEC 62262)	IK10
Enclosure colour	light grey (RAL 7035)
Weight	4.4 kg
Weight	9.7 lb
Disconnection of the luminaire	No

#### Components

Threaded plate	2x Stainless steel SS430
Ballast	6045/211-120-10
Through wiring	with 5 conductors 2,5 qmm
Drilled holes	3 x M20
Cable entries	to be ordered as accessory
Stopping plug	to be ordered as accessory
Accessories	without

# Lighting

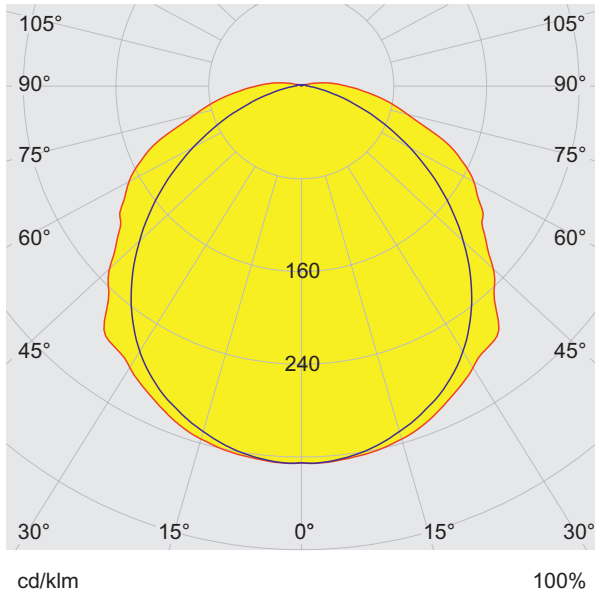
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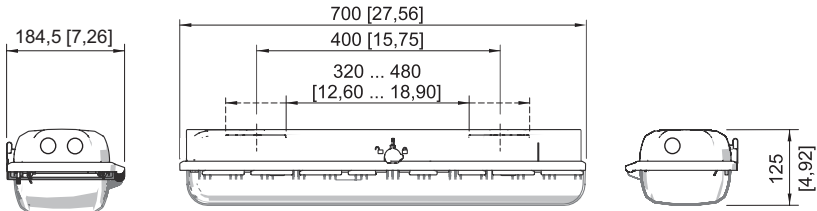


## Light Distribution Curves

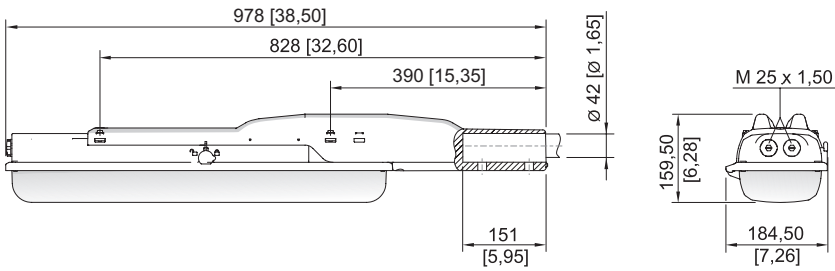


— C0 - C180 — C90 - C270  
typical with diffusor, clear translucent cover

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



Size 2



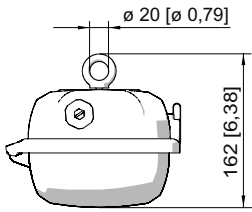
Size 2

# Lighting

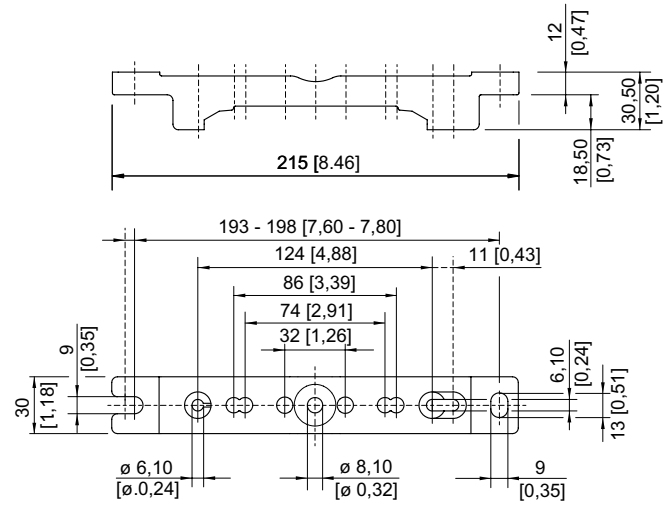
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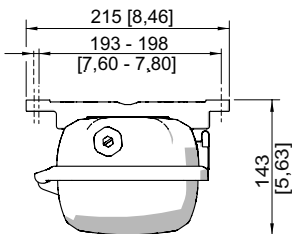
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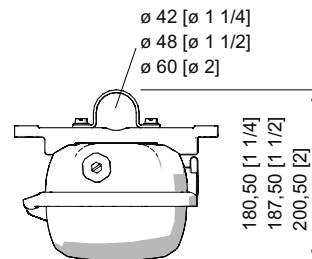
Ring bolt fitted in insert nut of the luminaire



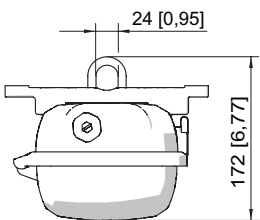
Mounting rail



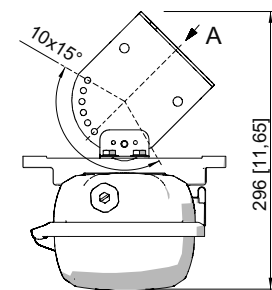
Mounting rail



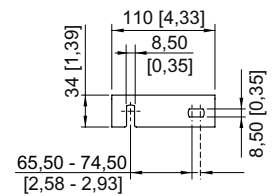
Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail



A



Wall mounting bracket fitted in mounting rail

# Lighting

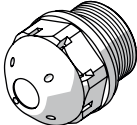
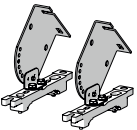
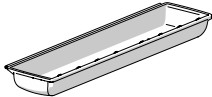
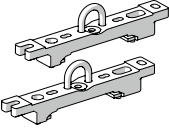
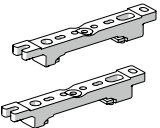
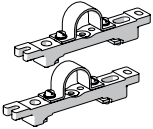
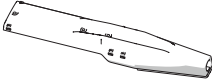

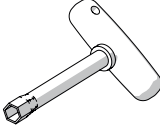
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## Accessories

		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
<b>Ceiling and wall mounting bracket</b>		<b>Art. No.</b>
	mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair	222827
<b>Cover</b>		<b>Art. No.</b>
	for luminaire size 2 (diffuse), the visibility of the indicator LED may be restricted when used on a single supplied emergency luminaire	276669
<b>Mounting bracket</b>		<b>Art. No.</b>
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456
<b>Mounting rail</b>		<b>Art. No.</b>
	for a variable mounting distance; 1 pair	222826
<b>Pipe clamp</b>		<b>Art. No.</b>
	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
<b>Pole mounting sleeve</b>		<b>Art. No.</b>
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512
<b>Ring bolt</b>		<b>Art. No.</b>
	M8, direct mounting in insert nuts; 1 pair	115736
<b>Socket key</b>		<b>Art. No.</b>
	M8 / wrench size 13; to open/close the central locking	222430

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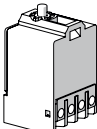
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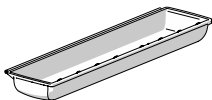
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## Spare Parts

Contact element		Art. No.
	8080/1-3-L 2 NC contact element	132527

Cover		Art. No.
	for luminaire size 2	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.