

Lighting

Linear luminaire with LED

GRP

6002/4148-0130-152-2220-22-8500 Art. No. 277241

STAHL



- 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	Ex II 2 G Ex db eb ib mb op is IIC T4 Gb
ATEX dust certificate	IBExU 14ATEX1088
ATEX dust explosion protection	Ex II 2 D Ex tb op is IIIC T100 °C Db
Certificates	ATEX (IBE), Brazil (ULB), China (CQST), EAC (ENDCE), IECEX (IBE), India (PESO), Japan (CML)
Ship approval	DNVGL

Electrical Data

Rated operational voltage DC	250 V
Rated operational voltage AC	220 – 240 V
Rated operational voltage DC	194 – 250 V
Frequency range	50 Hz

Lighting Data

Number of lamps	1
Lamp wattage	42 W
Lamp	LED
Light colour	neutral white

Lighting Data

Light distribution	120°x120° with diffusion disc
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
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- + L+ + N' + L'
Connection terminals solid max.	6 mm²
Connection terminals finely-stranded max.	4 mm²
Type of connection cable	finely-stranded solid
Design 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 Stainless steel SS430
Address module	address module internal
Ballast	6045/212-122-10
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

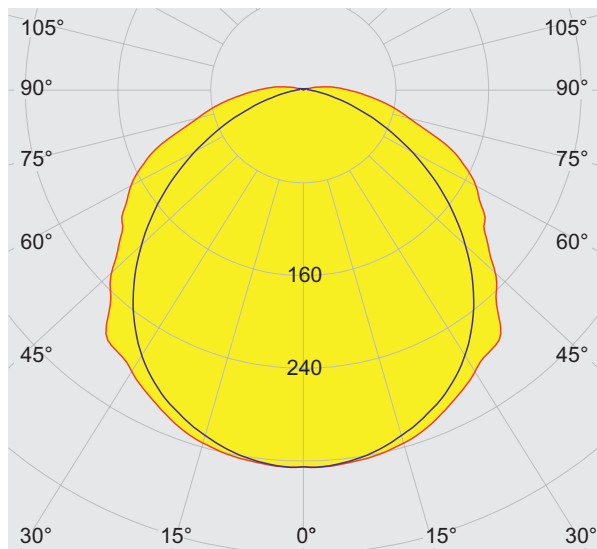
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Light Distribution Curves



cd/klm

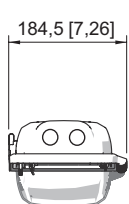
100%

— C0 - C180

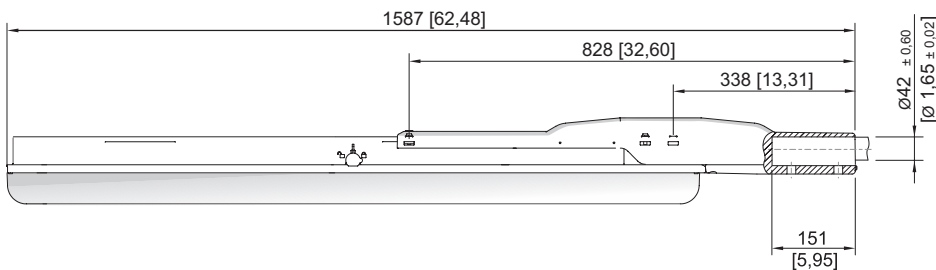
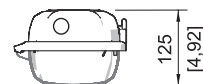
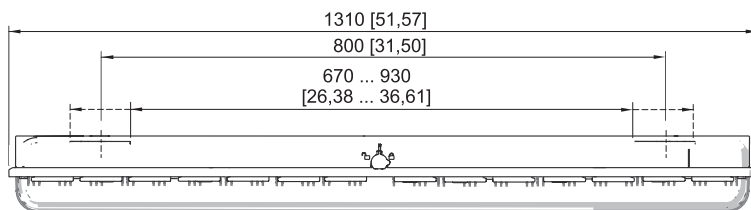
— C90 - C270

typical with diffusor, clear translucent cover

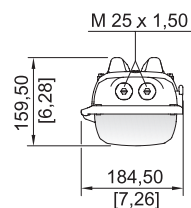
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Size 4



Size 4



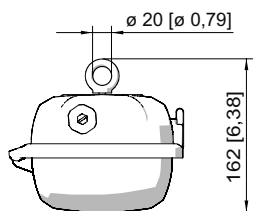
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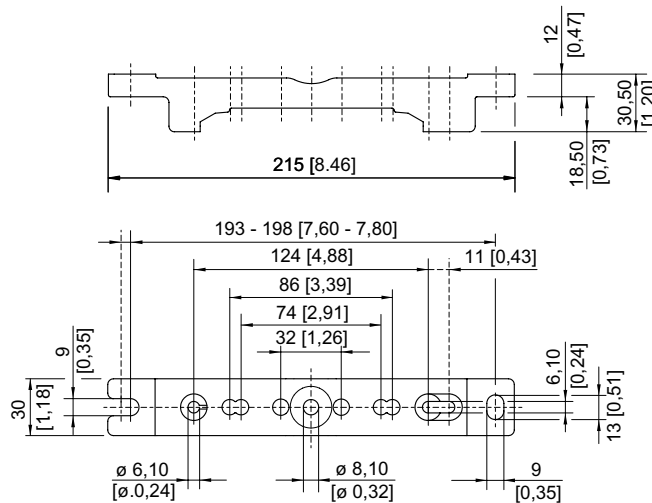
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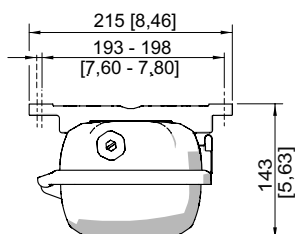
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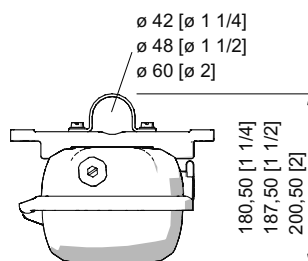
Ring bolt fitted in insert nut of the luminaire



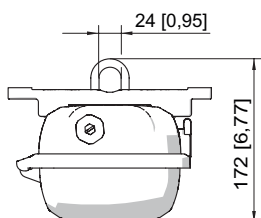
Mounting rail



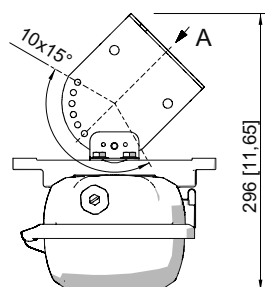
Mounting rail



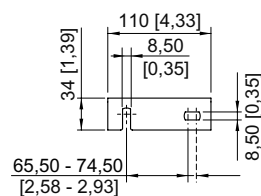
Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail



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Wall mounting bracket fitted in mounting rail

Lighting

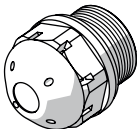
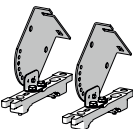
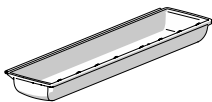
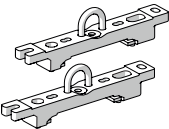
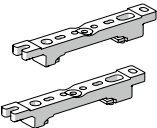
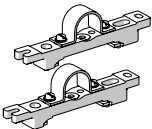
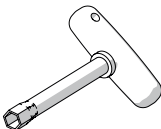
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Accessories

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
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

Lighting

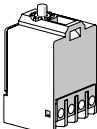
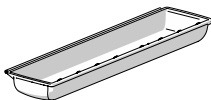
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Spare Parts

Contact element		Art. No.
	8080/1-3-L 2 NC contact element	132527
Cover		Art. No.
	for luminaire size 4	222428

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.