Lighting

Linear luminaire With LED
GRP
6002/4128-0100-150-0220-20-8500 Art. No. 351827



- 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

MY R. STAHL **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
ATEX gas certificate	IBExU 14ATEX1088
ATEX gas explosion protection	Ex II 2 G Ex db eb ib 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 and approvals	ATEX IECEx
Certificates	ATEX (IBE), IECEx (IBE), India (PESO)
Declaration of conformity	ATEX (EUK)
Electrical Data	
AC rated operational voltage	100 … 240 V
DC rated operational voltage	110 … 250 V
Frequency	50 … 60 Hz
Control gear service life	C10 ≥ 50 h, Ta ≤ 60 °C C10 ≥ 100 h, Ta ≤ 50 °C
LED service life	L90B50 ≥ 100 h
Lighting Data	
Number of lamps	1
Lamp wattage	18 W
Lamp	LED
Light colour	5000 K – neutral white
Light distribution	120°x120° with diffusing glass
Luminaire efficacy	157 lm/W
Luminous flux	2890 lm
Colour rendering	≥ 80

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Lighting Data	
Colour temperature	5000 K
Light source efficiency class	B
Ambient Conditions	
Ambient temperature	-40 °C ... 60 °C
Mechanical Data	
Version	Standard
IP degree of protection (IEC 60598)	IP66/IP67
Enclosure material	Polyester resin, Glass fibre reinforced
Enclosure colour	Light grey (RAL 7035)
Insert nut material	Brass
Diffuser	With diffuser
Sealing material	Silicone
Silicone-free content	Contains silicone
Translucent cover material	Polycarbonate
Translucent cover	Clear
Installed terminal strip	PE + N + L1 + L2 + L3
Max. solid connection terminals	6 mm²
Max. finely stranded connection terminals	4 mm²
Type of connection cable	Finely stranded Solid
Size	2
Width	184 mm
Height	125 mm
Length	700 mm
Impact strength (IEC 62262)	IK10
Disconnection of the luminaire	No
Weight	4.4 kg
Weight	9.7 lb
Components	
Threaded plate	1x SS430 stainless steel
Ballast	6045/311-130-10
Through wiring	without
Drilled holes	2 x M20
Cable glands and entries	can be ordered as an accessory
Stopping plugs	Can be ordered as accessories
Accessories	without

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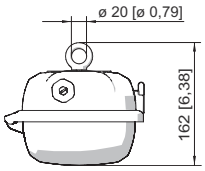
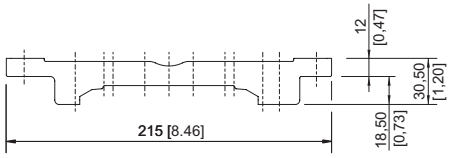
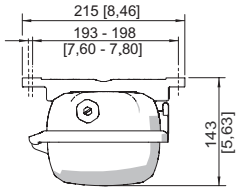
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

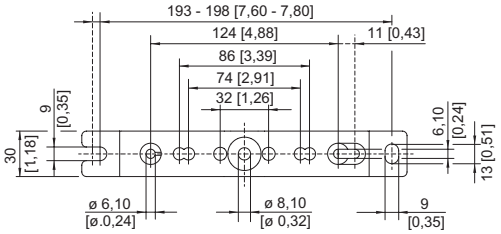


Ring bolt fitted in insert nut of the luminaire

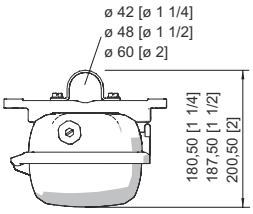




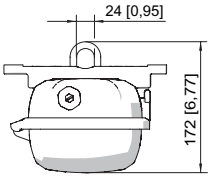
Mounting rail



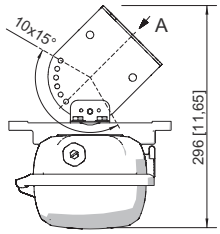
Mounting rail



Pipe clamp fitted in mounting rail



Mounting bracket fitted in mounting rail



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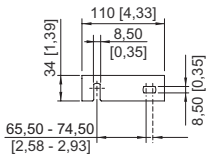
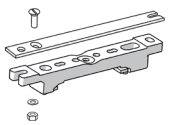
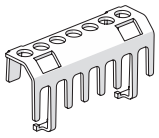
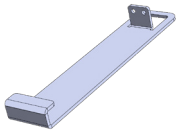


Wall mounting bracket fitted in mounting rail

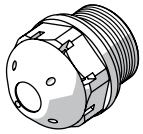
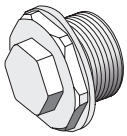
Accessories

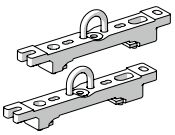
Adapter plate for mounting EXLUX 6002 on EXLUX 6000 mounting interfaces		Art. No.
	Adapter plate for installation of EXLUX 6002 luminaires onto EXLUX 6000 interfaces	240653

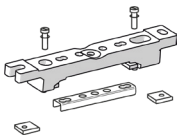
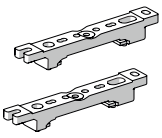
Protection against accidental contact		Art. No.
	The protection against accidental contact prevents maintenance technicians and electrical installers from accidentally touching conductive parts. The degree of protection is increased to IP20 when the protection against accidental contact is used.	283153

Fall protection		Art. No.
	Accessories for mounting an arrester cable	295927

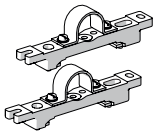
Holder for translucent cover		Art. No.
	The fall prevention system for the light fitting cover prevents the light fitting cover from falling accidentally when the light fitting is opened.	226791

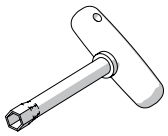
Breather		Art. No.
	Thread: M25 x 1.5 (20 pieces); without jam nut	285780
	M25 x 1.5 in order to avoid condensate formation	115738
	Thread: M20 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	323702
	Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	296608

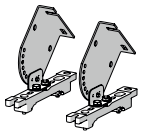
Mounting bracket		Art. No.
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456

Mounting rail		Art. No.
	Mounting accessories for ceiling mounting of EXLUX luminaires with V4A metal insert for reinforcement	325835
	Mounting accessories for ceiling mounting of EXLUX luminaires with V4A metal insert and captive M8 nut	329336
	for a variable mounting distance; 1 pair	222826

Ring bolt		Art. No.
	M8, direct mounting in insert nuts; 1 pair	115736

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

Box spanner		Art. No.
	M8 / A/F 13; For actuating the central lock	222430

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

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.