



- 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
IECEEx gas certificate	IECEEx IBE 14.0035
IECEEx gas explosion protection	Ex db eb ib op is IIC T4 Gb
IECEEx dust certificate	IECEEx IBE 14.0035
IECEEx 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 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 IECEEx
Certificates	ATEX (IBE), IECEEx (IBE), India (PESO)
Declaration of conformity	ATEX (EUK)
Electrical Data	
AC rated operational voltage	110 ... 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	49 W
Lamp	LED
Light colour	5000 K – neutral white

Lighting Data

Light distribution	120°x120° with diffusing glass
Luminaire efficacy	163 lm/W
Luminous flux	7920 lm
Colour rendering	≥ 80
Colour temperature	5000 K
Light source efficiency class	B

Ambient Conditions

Ambient temperature	-20 °C ... 50 °C (Through wiring max. 3x16 A) -20 °C ... 60 °C (Through wiring max. 3x10 A)
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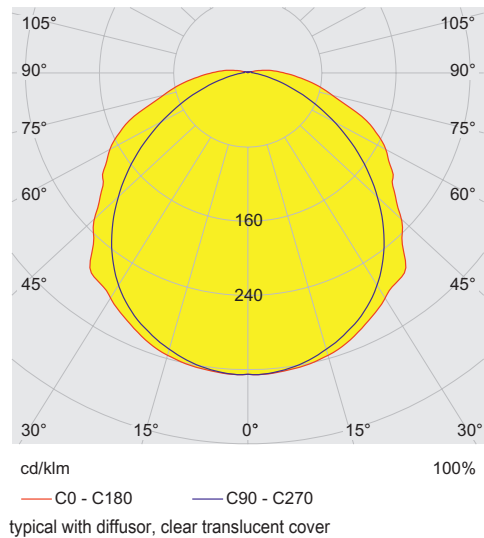
Mechanical Data

Version	Standard
IP degree of protection (IEC 60598)	IP66
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	6
Width	184 mm
Height	125 mm
Length	1610 mm
Impact strength (IEC 62262)	IK10
Disconnection of the luminaire	Yes
Weight	8 kg
Weight	17.64 lb

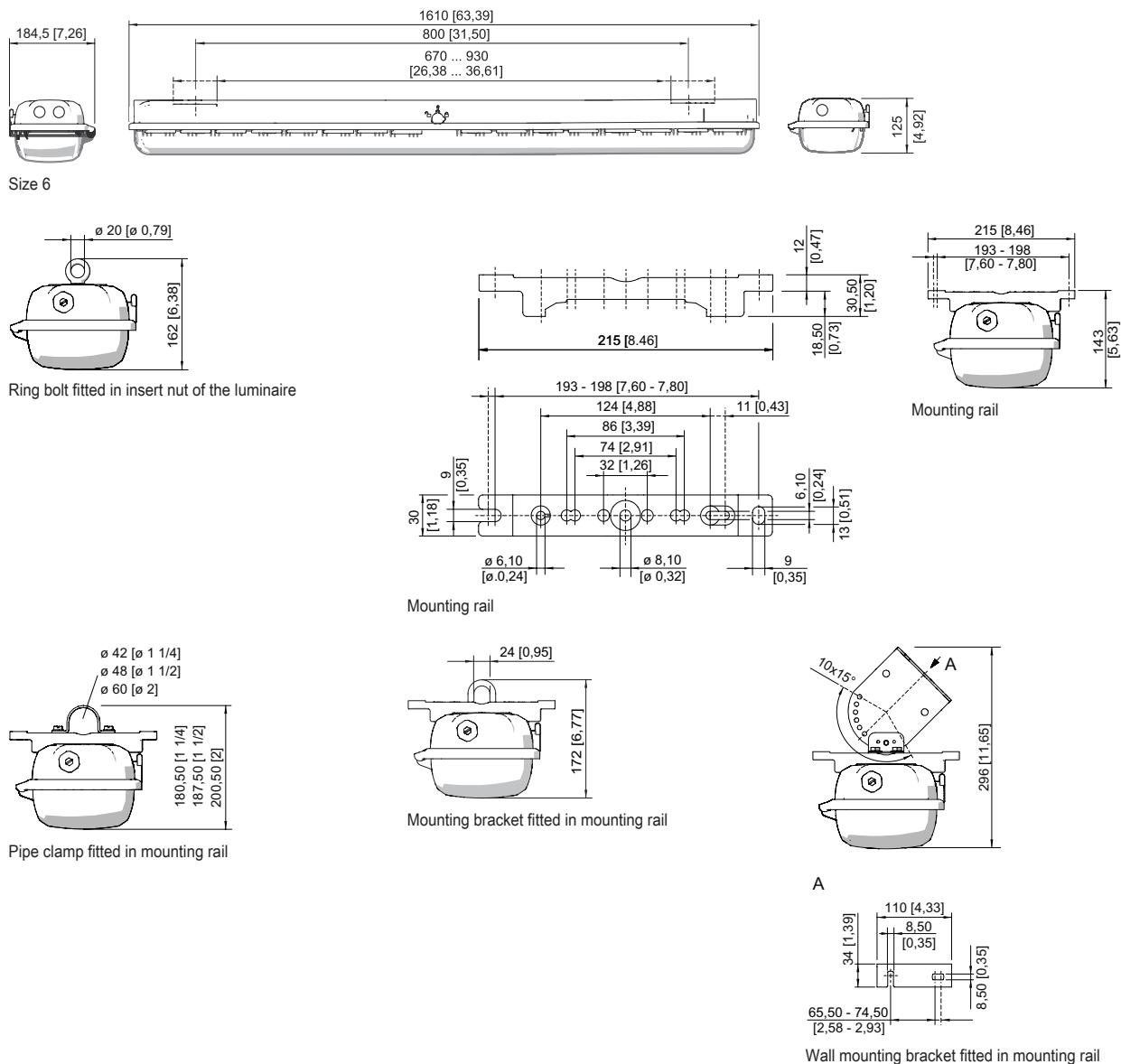
Components

Threaded plate	2x SS430 stainless steel
Ballast	6045/311-110-10
Through wiring	With 5 conductors 2.5 mm²
Drilled holes	3 x M20
Cable glands and entries	can be ordered as an accessory
Stopping plugs	Can be ordered as accessories
Accessories	without

Light Distribution Curves



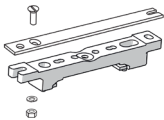
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Accessories

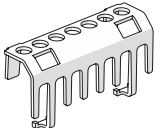
Adapter plate for mounting EXLUX 6002 on EXLUX 6000 mounting interfaces

Art. No.

	Adapter plate for installation of EXLUX 6002 luminaires onto EXLUX 6000 interfaces	240653
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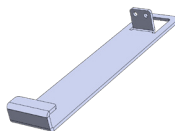
Protection against accidental contact

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
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Fall protection

Art. No.

	Accessories for mounting an arrester cable	295927
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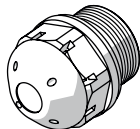
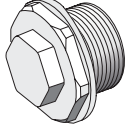
Holder for translucent cover

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
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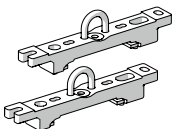
Breather

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

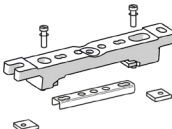
Mounting bracket

Art. No.

	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456
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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

Lighting

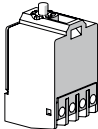
Linear luminaire With LED

GRP

6002/4168-0201-152-2220-22-8500 Art. No. 276338



Spare Parts

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

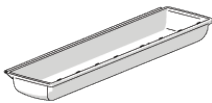
Lighting

Linear luminaire With LED

GRP

6002/4168-0201-152-2220-22-8500 Art. No. 276338

STAHL

Cover		Art. No.
	for luminaire size 6	222429
Reflector plate		Art. No.
	Spare part for 6002 or upgrade 6001 size 6, colour temperature 5000 K	276761

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.