

Lighting

Linear luminaire With LED

GRP

6202/1143-0100-152-2220-22-757 Art. No. 324991



- Smart Central Locking System – Allows effortless access for quick maintenance, minimizing downtime and enhancing operational efficiency.
- Wide Voltage of 100 to 277 V AC – Makes the light fixtures suitable for different applications & environment
- Advanced Surge Protection up to 6KV – Engineered for resilience, the robust design shields the luminaire from electrical surges, ensuring long-lasting performance
- Superior Energy Efficiency – Achieves an outstanding 125+ lumens per watt, delivering maximum illumination with minimal energy consumption
- Long- Lasting LED Performance – Designed for durability, the luminaire delivers over 1,00,000 hours (L70B50) of service life even in +60°C ambient conditions

MY R. STAHL 6202A

The 6202 linear LED luminaire is built to withstand harsh conditions, making it ideal for industries such as oil & gas, specialty chemicals, and pharmaceuticals and similar hazardous environments. With its high-performance illumination, it is perfect for lighting large surfaces at mounting heights of up to 10 meters, as well as illuminating equipment and objects both indoors and outdoors. For added flexibility, the luminaire can be easily mounted on poles using the pole mounting sleeve accessory, ensuring adaptable installation across various industrial settings.

Technical Data

Explosion Protection

Ex version	Yes
Application range (zones)	1, 2, 21, 22
IECEX gas certificate	IECEX EPS 25.0020X
IECEX gas explosion protection	Ex db eb mb IIC T4 Gb
IECEX dust certificate	IECEX EPS 25.0020X
IECEX dust explosion protection	Ex tb IIIC T80 °C Db
Certificates	IECEX (BVIS)

Electrical Data

Control gear service life	C10 ≥ 50 h, Ta ≤ 60 °C
LED service life	L70B50: 100 h

Lighting Data

Number of lamps	1
Lamp wattage	48 W
Lamp	LED
Light colour	5700 K – cool white
Light distribution	120°x120° with diffusing glass
Luminaire efficacy	126 lm/W
Luminous flux	5999 lm
Colour rendering	≥ 70
Colour temperature	5700 K

Mechanical Data

Version	Standard
IP degree of protection (IEC 60598)	IP66/IP67

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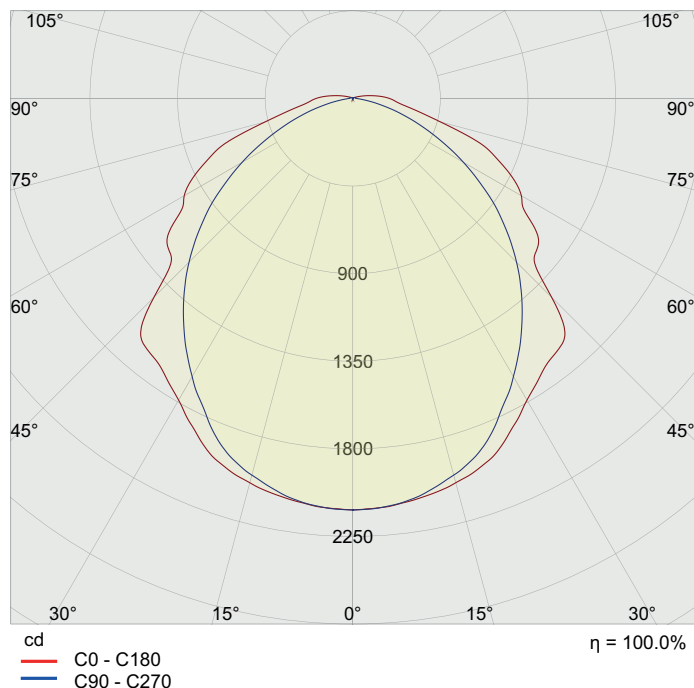
Mechanical Data

Enclosure material	Polyester resin, Glass fibre reinforced
Enclosure color	Light grey (RAL 7035)
Diffuser	With diffuser
Sealing material	Silicone
Silicone-free content	Contains silicone
Translucent cover material	Polycarbonate
Installed terminal strip	PE + N + L1 + L2 + L3
Max. solid connection terminals	6 mm ²
Max. finely stranded connection terminals	4 mm ²
Type of connection cable	Finely stranded Solid
Size	4
Width	184 mm
Height	125 mm
Length	1310 mm
Impact strength (IEC 62262)	IK10
Disconnection of the luminaire	No
Weight	6.9 kg
Weight	15.21 lb

Components

Threaded plate	2x stainless steel
Ballast	6049/111-110-10
Through wiring	With 5 conductors 2.5 mm ²
Drilled holes	3 x M20
Cable glands and entries	can be ordered as an accessory
Stopping plugs	Can be ordered as accessories
Accessories	without

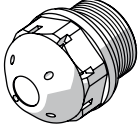
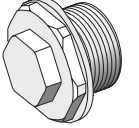
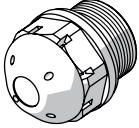
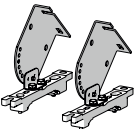
Light Distribution Curves



Size 4

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

Accessories

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

Lighting

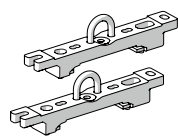
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Mounting bracket

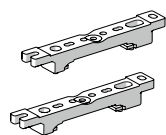


mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair

Art. No.

222456

Mounting rail

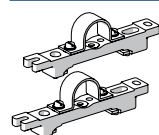


for a variable mounting distance; 1 pair

Art. No.

222826

Pipe clamp



R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair

Art. No.

222459

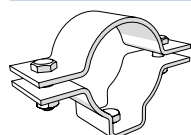
R 1 1/4"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair

222458

R 2"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair

222460

Pole mounting



Pole mounting acces. 1.4301 \varnothing 38mm-1 pair

Art. No.

324916

Pole mounting acces. 1.4301 \varnothing 42mm-1 pair

324914

Pole mounting acces. 1.4301 \varnothing 50mm-1 pair

324915

Pole mounting acces. 1.4301 \varnothing 60mm-1 pair

324912

Pole mounting acces. 1.4404 \varnothing 50mm-1 pair

324917

Pole mounting acces. 1.4404 \varnothing 60mm-1 pair

324913

Pole mounting sleeve



for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)

Art. No.

227512

Ring bolt

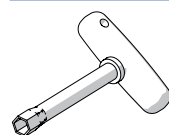


M8, direct mounting in insert nuts; 1 pair

Art. No.

115736

Socket wrench

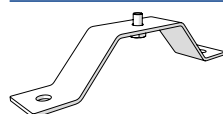


M8 / A/F 13;
For actuating the central lock

Art. No.

222430

Wall mounting



Wall/ceiling mtg.bkt. 1.4301w-1pair

Art. No.

324918

Lighting

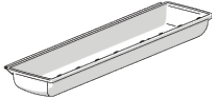
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Spare Parts

Cover		Art. No.
	for luminaire size 4	222428
	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.