

# Lighting

## Linear luminaire With LED

### GRP

6202/1123-0100-332-1110-11-757 Art. No. 324964

STAHL



- 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

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

Rated operational voltage AC	100 ... 277 V
Rated operational voltage DC	110 ... 277 V
Frequency range	50 – 60 Hz

### Lighting Data

Number of lamps	1
Lamp wattage	24 W
Lamp	LED
Light colour	5700 K – cool white
Light distribution	120°x120° with diffusing glass
Luminaire efficacy	120 lm/W
Luminous flux	2949 lm
Colour rendering	≥ 70
Colour temperature	5700 K

### Ambient Conditions

Ambient temperature °C	-40 °C ... +60 °C Note: Through wiring Max. 3x10 A
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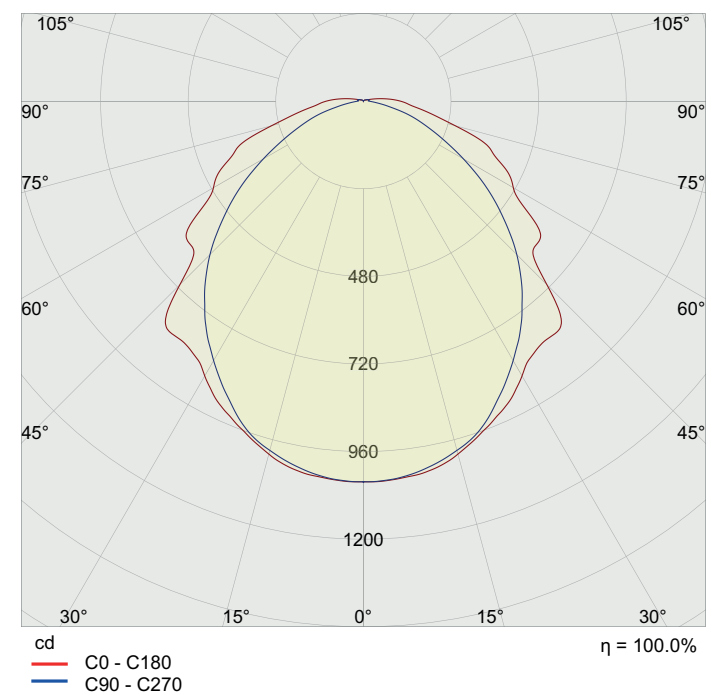
**Mechanical Data**

Version	Standard
IP degree of protection (IEC 60598)	IP66/IP67
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
Max. solid connection terminals	4 mm <sup>2</sup>
Max. finely stranded connection terminals	4 mm <sup>2</sup>
Type of connection cable	Finely stranded Solid
Size	2
Width	184 mm
Height	125 mm
Length	700 mm
Impact strength (IEC 62262)	IK10
Weight	4.4 kg
Weight	9.7 lb
Disconnection of the luminaire	No

**Components**

Threaded plate	2x plastic
Ballast	6049/111-110-10
Through wiring	With 3 conductors 2.5 mm <sup>2</sup>
Drilled holes	3 x M25
Cable glands and entries	2 x M25 Ø 7 ... 17 mm
Material cable gland	Polyamide, black
Stopping plugs	1 x M25 x 1.5
Stopping plug material	Polyamide, black
Accessories	Provided

Light Distribution Curves



Size 2

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 (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
	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
	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
	mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair	222827

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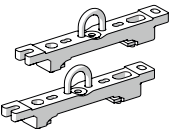
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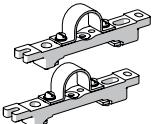
#### Mounting bracket

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

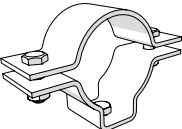
#### Mounting rail

	for a variable mounting distance; 1 pair	222826
	for a variable mounting distance; 1 pair	222826

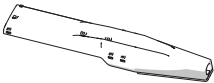
#### Pipe clamp

	R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair	222459
	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 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
	R 2"; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair	222460


#### Pole mounting

	Pole mounting acces. 1.4301 ø38mm-1 pair	324916
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	Pole mounting acces. 1.4301 ø42mm-1 pair	324914
	Pole mounting acces. 1.4301 ø42mm-1 pair	324914
	Pole mounting acces. 1.4301 ø50mm-1 pair	324915
	Pole mounting acces. 1.4301 ø50mm-1 pair	324915
	Pole mounting acces. 1.4301 ø60mm-1 pair	324912
	Pole mounting acces. 1.4301 ø60mm-1 pair	324912
	Pole mounting acces. 1.4404 ø50mm-1 pair	324917
	Pole mounting acces. 1.4404 ø50mm-1 pair	324917
	Pole mounting acces. 1.4404 ø60mm-1 pair	324913
	Pole mounting acces. 1.4404 ø60mm-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)	227512
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#### Ring bolt

	M8, direct mounting in insert nuts; 1 pair	115736
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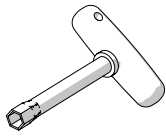
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#### Socket wrench

#### Art. No.



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

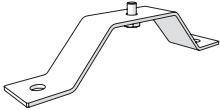
222430

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

222430

#### Wall mounting

#### Art. No.



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

324918

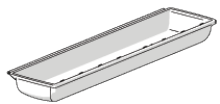
Wall/ceiling mtg.bkt. 1.4301w-1pair

324918

#### 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.