Lighting
Linear luminaire With LED
GRP
6202/1143-0100-332-2220-22-757   Art. No. 324969

STAHL

MY R. 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

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	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

Ambient Conditions

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

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V 0.14 EN

R. STAHL Schaltgeräte GmbH | Am Bahnhof 30 | 74638 WALDENBURG
Tel. +49 7942 943 1700 | +49 7942 943 1777 | Email: sales.de@r-stahl.com | r-stahl.com

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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)
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 mm²
Max. finely stranded connection terminals	4 mm²
Type of connection cable	Finely stranded Solid
Size	4
Width	184 mm
Height	125 mm
Length	1310 mm
Impact strength (IEC 62262)	IK10
Weight	6.9 kg
Weight	15.21 lb
Disconnection of the luminaire	No

Components

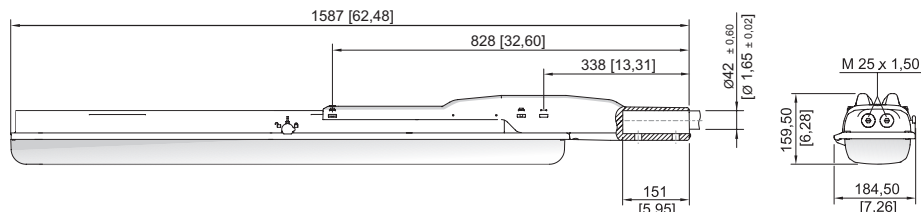|	
Threaded plate	2x stainless steel
Ballast	6049/111-110-10
Through wiring	With 3 conductors 2.5 mm²
Drilled holes	3 x M20
Cable glands and entries	can be ordered as an accessory
Stopping plugs	Can be ordered as accessories
Accessories	without

Light Distribution Curves
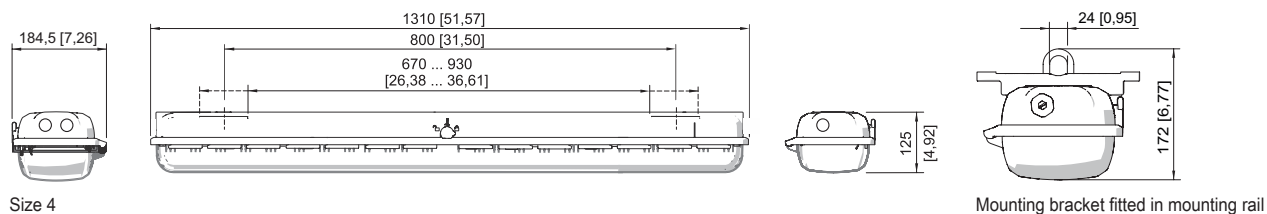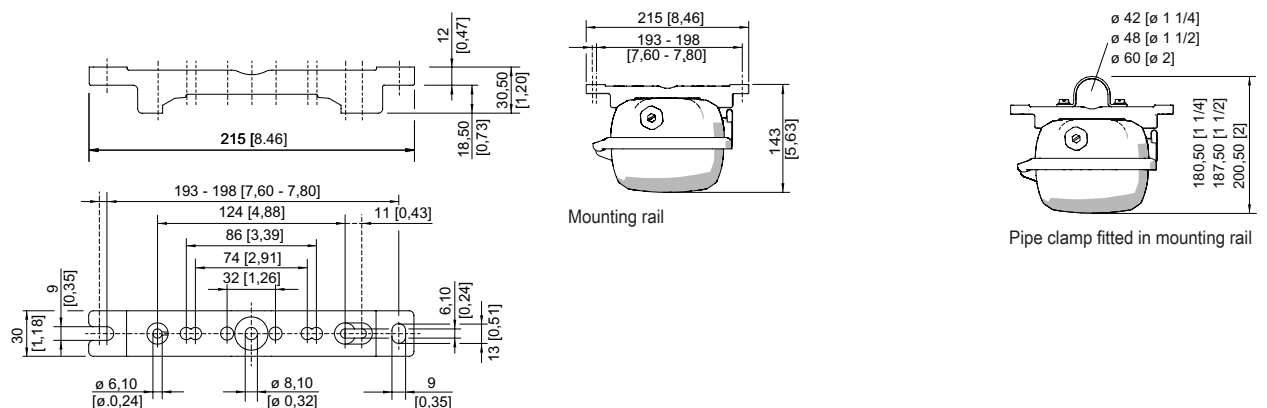

cd
— C0 - C180
— C90 - C270

η = 100.0%
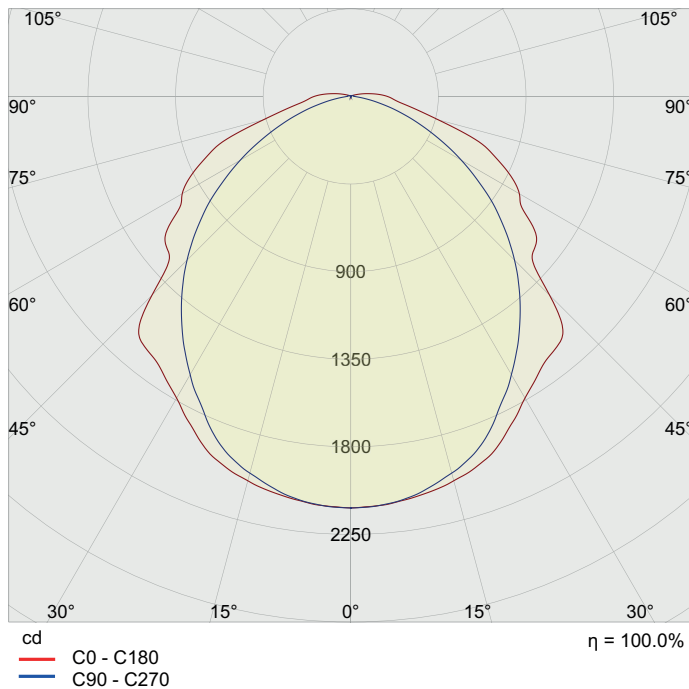
Size 4

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

Size 4

Size 4

Mounting bracket fitted in mounting rail

Mounting rail

Pipe clamp fitted in mounting rail

Mounting rail

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ø 20 [ø 0,79]

162 [6,38]
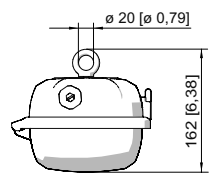
Ring bolt fitted in insert nut of the luminaire

10x15°

A

296 [11,65]

A

110 [4,33]

8,50 [0,35]

34 [1,39]

8,50 [0,35]

65,50 - 74,50 [2,58 - 2,93]
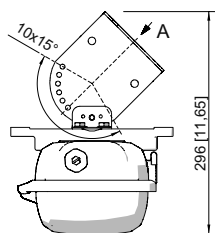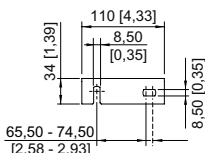
Wall mounting bracket fitted in mounting rail

Accessories

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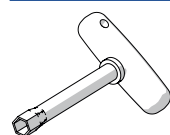
		Art. No.
	M8 / A/F 13; For actuating the central lock	222430
	M8 / A/F 13; For actuating the central lock	222430

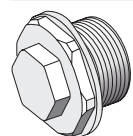### Breather
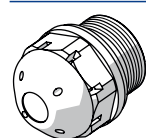
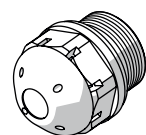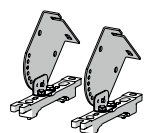|		Art. No.
	Thread: M25 x 1.5 (20 pieces); without jam nut	285780
	Thread: M25 x 1.5 (20 pieces); without jam nut	285780
	Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut	296608
	Thread: M25 x 1.5 (1 piece); for installation in light fittings; 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

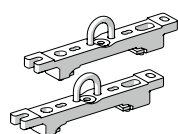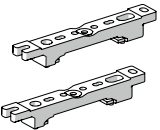|		Art. No.
	mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair	222827
	mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair	222827

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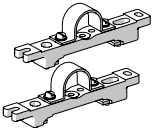
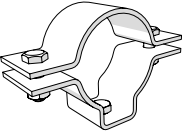|		Art. No.
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456
	mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair	222456

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Mounting rail		Art. No.
	for a variable mounting distance; 1 pair	222826
	for a variable mounting distance; 1 pair	222826

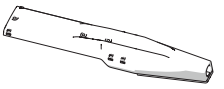| Pipe clamp		Art. No.
	R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair	222459
	R 1 1/2"; with mounting rail for a variable mounting distance; material: stainless steel; 1 pair	222459
	R 1 1/4"; with mounting rail for a variable mounting distance; Material: 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		Art. No.
	Pole mounting acces. 1.4301 ø38mm-1 pair	324916
	Pole mounting acces. 1.4301 ø38mm-1 pair	324916
	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		Art. No.
	for the subsequent mounting on lights size 2 and size 4, completely with assembly parts (for pipe diameter 42 mm)	227512
	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
	M8, direct mounting in insert nuts; 1 pair	115736

Wall mounting		Art. No.
	Wall/ceiling mtg.bkt. 1.4301w-1pair	324918
	Wall/ceiling mtg.bkt. 1.4301w-1pair	324918

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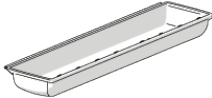
Spare Parts

Cover		Art. No.
	for luminaire size 4	222428
	for luminaire size 2	222427

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