



- 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	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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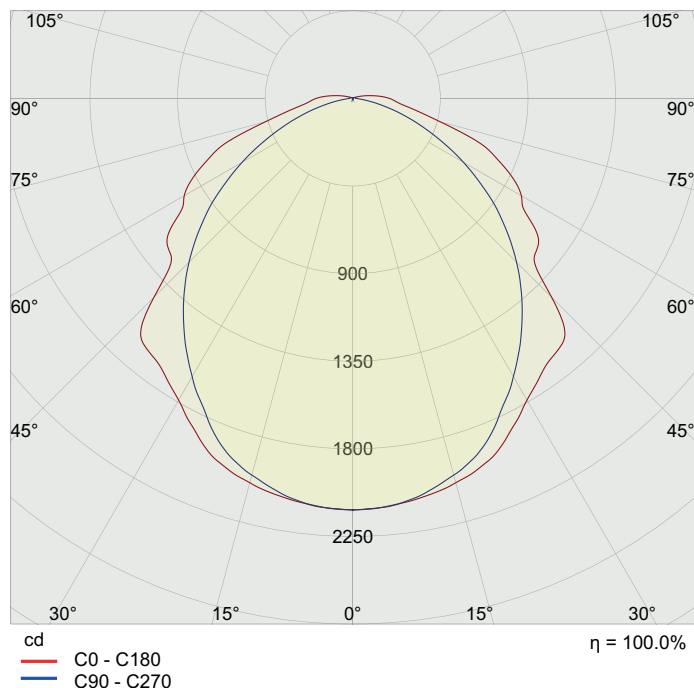
Mechanical Data

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 + 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
Weight	6.9 kg
Weight	15.21 lb
Disconnection of the luminaire	No

Components

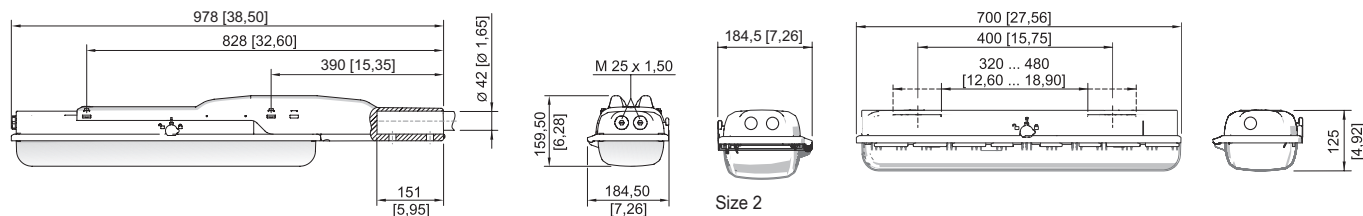
Threaded plate	2x plastic
Ballast	6049/111-110-10
Through wiring	With 5 conductors 2.5 mm ²
Drilled holes	3 x M25
Cable glands and entries	2 x M25 Ø 7 ... 17 mm
Material cable gland	Polyamide, black
Stopping plugs	1 x M25 x 1.5
Stopping plug material	Polyamide, black
Accessories	Provided

Light Distribution Curves

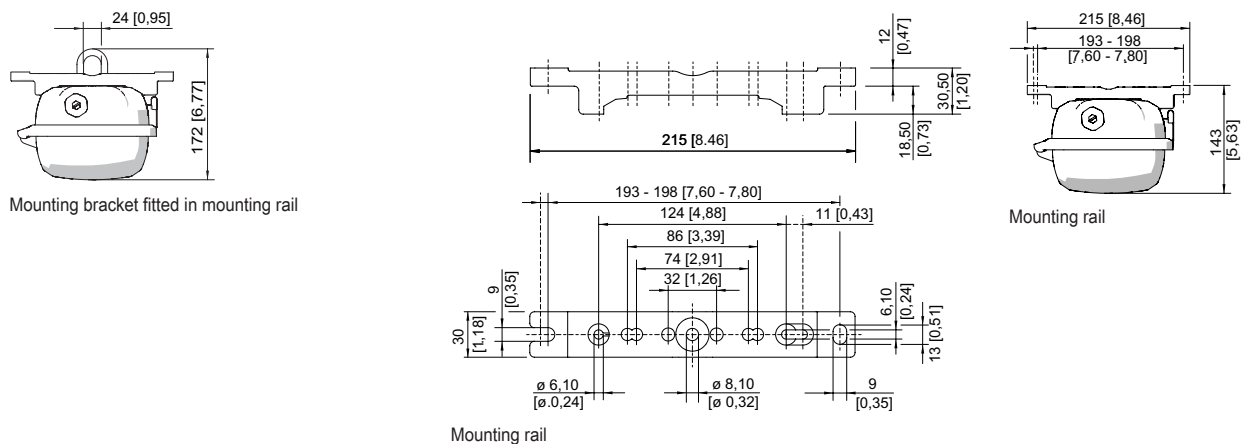


Size 4

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



Size 2



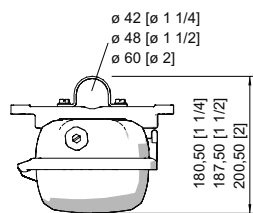
Lighting

Linear luminaire With LED

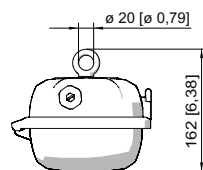
GRP

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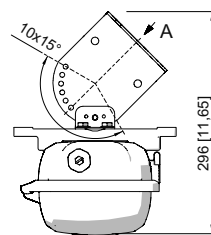
STAHL



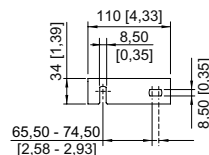
Pipe clamp fitted in mounting rail



Ring bolt fitted in insert nut of the luminaire



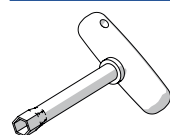
A



Wall mounting bracket fitted in mounting rail

Accessories

Box spanner



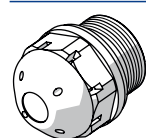
M8 / A/F 13;
For actuating the central lock
M8 / A/F 13;
For actuating the central lock

Art. No.

222430

222430

Breather

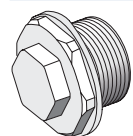


Thread: M25 x 1.5 (20 pieces); without jam nut
Thread: M25 x 1.5 (20 pieces); without jam nut

Art. No.

285780

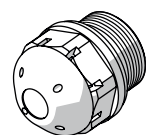
285780



Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut
Thread: M25 x 1.5 (1 piece); for installation in light fittings; made from stainless steel; without jam nut

296608

296608

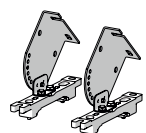


M25 x 1.5 in order to avoid condensate formation
M25 x 1.5 in order to avoid condensate formation

115738

115738

Ceiling and wall mounting bracket



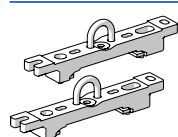
mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair
mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair

Art. No.

222827

222827

Mounting bracket



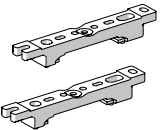
mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair
mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair

Art. No.

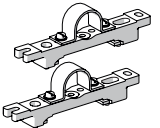
222456

222456

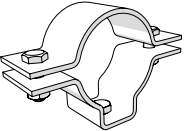
Mounting rail

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

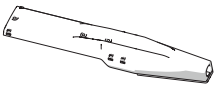
Pipe clamp

	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
	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

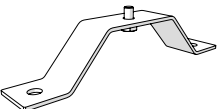
Pole mounting sleeve

	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

	M8, direct mounting in insert nuts; 1 pair	115736
	M8, direct mounting in insert nuts; 1 pair	115736

Wall mounting

	Wall/ceiling mtg.bkt. 1.4301w-1pair	324918
	Wall/ceiling mtg.bkt. 1.4301w-1pair	324918

Lighting

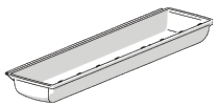
Linear luminaire With LED

GRP

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Spare Parts

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

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