

Lighting

Linear luminaire With LED

GRP

6602/1223-0100-152-1111-11-857 Art. No. 325351

STAHL



- Smart Central Locking System – Allows effortless access for quick maintenance, minimizing downtime and enhancing operational efficiency.
- Advanced Surge Protection up to 2KV – Engineered for resilience, the robust design shields the luminaire from electrical surges, ensuring long-lasting performance.
- Superior Energy Efficiency – Achieves an outstanding 130 lumens per watt, delivering maximum illumination with minimal energy consumption.
- Long-Lasting LED Performance – Designed for durability, the luminaire delivers over 60,000 hours of service life even in +55°C ambient conditions.

MY R. STAHL 6602A

The 6602 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)	2, 21, 22
IECEX gas certificate	IECEX IBE 24.0030
IECEX gas explosion protection	Ex nR IIC T6 Gc
IECEX dust certificate	IECEX IBE 24.0030
IECEX dust explosion protection	Ex tb IIIC T85 °C Db
Certificates	IECEX (IBE)
Electrical Data	
Rated operational voltage AC	220 ... 240 V
Rated operational voltage DC	220 ... 240 V
Frequency range	50 – 60 Hz
Lighting Data	
Number of lamps	1
Lamp wattage	22 W
Lamp	LED
Light colour	5700 K – cool white
Light distribution	120°x120° with diffusing glass
Luminaire efficacy	125 lm/W
Luminous flux	2837 lm
Colour rendering	≥ 80
Colour temperature	5700 K
Ambient Conditions	
Ambient temperature °C	-30 °C ... +55 °C Note: Through wiring Max. 3x10 A
Mechanical Data	
Version	Standard

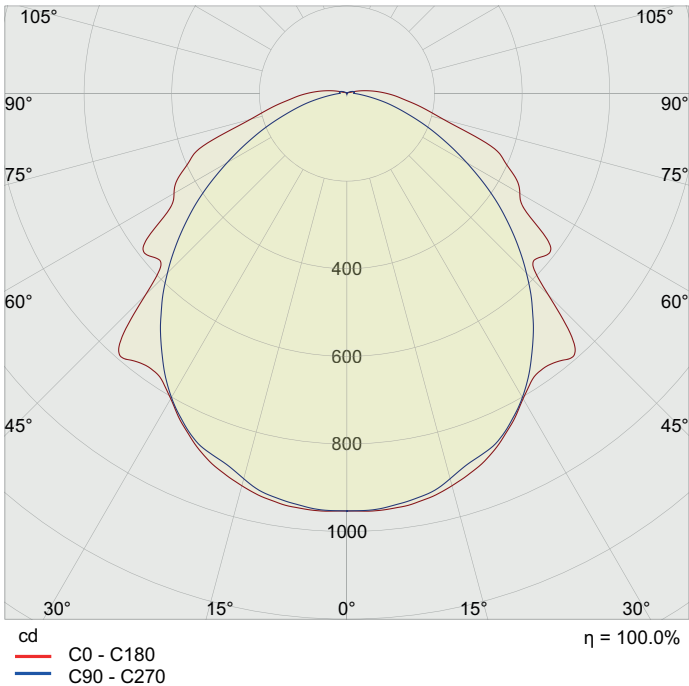
Mechanical Data

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 + 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	2
Width	184 mm
Height	125 mm
Length	700 mm
Impact strength (IEC 62262)	IK10
Weight	3.7 kg
Weight	8.16 lb
Disconnection of the luminaire	No

Components

Threaded plate	2x plastic
Ballast	Inventronics -OT FIT
Through wiring	With 5 conductors 2.5 mm ²
Drilled holes	4 x M25
Cable glands and entries	3xM25 Ø 7 ... 17 mm (1x plug)
Material cable gland	Polyamide, black
Stopping plugs	1 x M25 x 1.5
Stopping plug material	Polyamide, black
Accessories	Provided

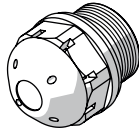
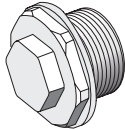
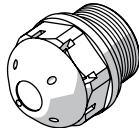
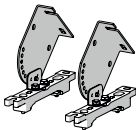
Light Distribution Curves



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 (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

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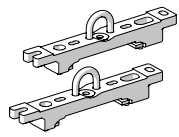
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Mounting bracket

Art. No.

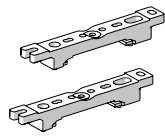


mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair

222456

Mounting rail

Art. No.

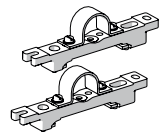


for a variable mounting distance; 1 pair

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

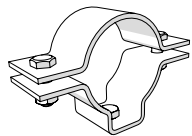
222458

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

222460

Pole mounting

Art. No.



Pole mounting acces. 1.4301 ø38mm-1 pair

324916

Pole mounting acces. 1.4301 ø42mm-1 pair

324914

Pole mounting acces. 1.4301 ø50mm-1 pair

324915

Pole mounting acces. 1.4301 ø60mm-1 pair

324912

Pole mounting acces. 1.4404 ø50mm-1 pair

324917

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

Ring bolt

Art. No.

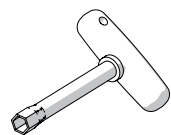


M8, direct mounting in insert nuts; 1 pair

115736

Socket wrench

Art. No.

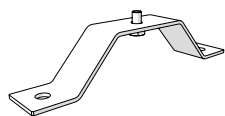


M8 / A/F 13;
For actuating the central lock

222430

Wall mounting

Art. No.



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

324918

Lighting

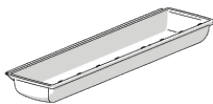
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Spare Parts

Cover		Art. No.
	for luminaire size 2	222427

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