

# Lighting

## Clean room LED luminaire

**STAHL**

6013/5221-2500-0123-0311 Art. No. 313323



- Premium 304 stainless steel with brushed finish for durability
- Higher efficacy, at around 120 lm/W, means more light with less power
- Ambient temperature: -20 °C to +45 °C
- Degree of protection IP 66
- Dual bottom and top openings provide easy access to input field terminals
- Adjustable ceiling brackets for precise mounting based on the ceiling depth
- IECEX certified
- Cleanroom compliance luminaire

### MY R. STAHL 6013B

The 6013 series is an ideal lighting solution tailored for cleanroom applications. Highlighting its versatility, this innovative series is equipped with adjustable built-in C brackets for recessed mounting providing unmatched flexibility and allowing for seamless installation and operation from both the top and bottom of the ceiling. The luminaire's user-friendly design, coupled with its lightweight construction, not only optimizes ceiling grid load capacity but also guarantees efficiency without any compromise.

### Technical Data

#### Explosion Protection

Application range (zones)	1, 2
IECEX gas certificate	IECEX IBE 23.0005
IECEX gas explosion protection	Ex db eb ib IIC T4 Gb
Certificates and approvals	IECEX
Certificates	IECEX (IBE)

#### Electrical Data

Rated operational voltage AC	220 ... 240 V
Rated operational voltage DC	max. 220 ... 240 V
Rated operational current	0.13 A (T4)
Power factor	≥ 0.90
Frequency range	50 – 60 Hz

#### Lighting Data

Lamp wattage	28 W
Lamp	LED
Light colour	Cool white
Light distribution	120°
Luminaire efficacy	110 lm/W
Luminous flux	2835 lm
Colour rendering	≥ 80
Colour temperature	5700 K

#### Ambient Conditions

Ambient temperature	-20 °C ... +45 °C
Storage temperature	-20 °C ... +60 °C

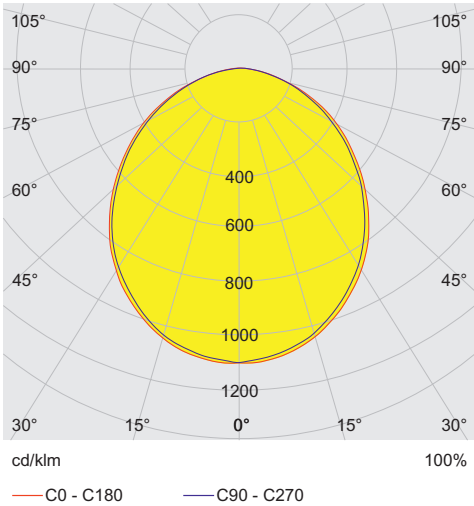
#### Mechanical Data

IP degree of protection (IEC 60598)	IP66
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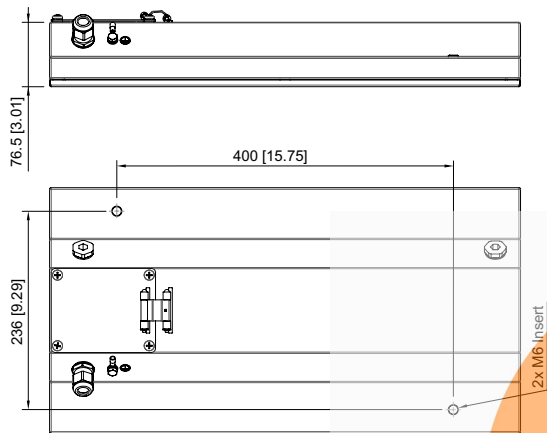
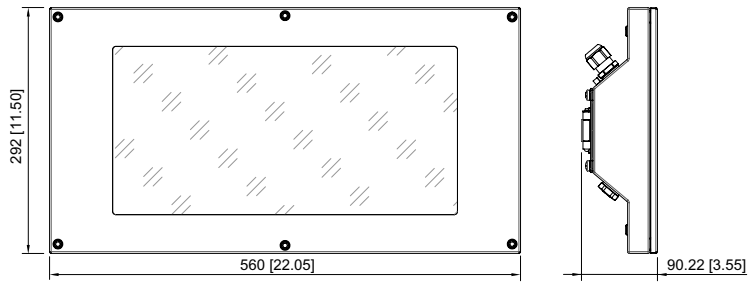
Mechanical Data	
Class	I
Enclosure material	Stainless steel 1.4301, Brushed Uncoated
Sealing material	Silicone
Number of terminals	3
Pane material	Reinforced glass
Pane material 2	matted
Max. solid connection terminals	4 mm²
Max. finely stranded connection terminals	4 mm²
Lighting lock	Screw-on cover
Type of connection cable	Finely stranded with clip Solid
Size	Size 2
Width	623.3 mm
Height	121 mm
Length	323.3 mm
Impact strength (IEC 62262)	IK10
Weight	7.5 kg
Weight	16.53 lb
Mounting / Installation	
Mounting type	not flush-mounted
Components	
Ballast	6045/3
Drilled holes	3 x M20
Cable glands and entries	1 x M20 x 1.5
Material cable gland	Polyamide, black
Stopping plugs	2 x M20 x 1.5
Stopping plug material	Polyamide, black

Light Distribution Curves



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



For Cutout - 300\*600mm

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.