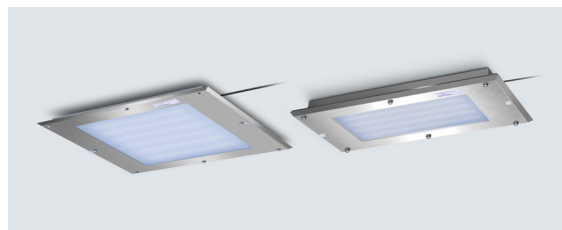


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- Premium 304 stainless steel with brushed finish for durability
- Higher efficacy, at around 120 lm/W, means more light with less power
- Temperature range -20 °C to + 45 °C
- Degree of protection IP 66
- Dual bottom and top openings provide easy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

MY R. STAHL 6413B

The 6413 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) | 2, 21, 22 |
| IECEX gas certificate | IECEX IBE 23.0033X |
| IECEX gas explosion protection | Ex nR IIC T4 Gc |
| IECEX dust certificate | IECEX IBE 23.0033X |
| IECEX dust explosion protection | Ex tb IIIC T100 °C Db |
| 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 | 0.18 A (T4) |
| Rated operational current | 0.18 A |
| Frequency range | 50 – 60 Hz |
| Power factor | ≥ 0.90 |
| Control gear service life | C10 ≥ 50 h, Ta ≤ 45 °C |
| LED service life | L90B50 ≥ 100 h |
| Lighting Data | |
| Lamp wattage | 40 W |
| Lamp | LED |
| Light colour | Cool white |
| Light distribution | 120° |
| Luminaire efficacy | 120 lm/W |
| Luminous flux | 4462 lm |
| Colour rendering | ≥ 80 |
| Colour temperature | 5700 K |

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Ambient Conditions

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

Mechanical Data

| | |
|---|---|
| IP degree of protection (IEC 60598) | IP66 |
| 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 mm ² |
| Max. finely stranded connection terminals | 4 mm ² |
| 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 | 7.2 kg |
| Weight | 15.87 lb |

Mounting / Installation

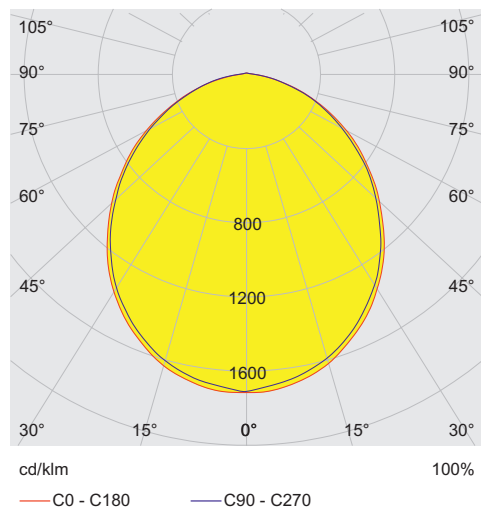
| | |
|---------------|----------------|
| Mounting type | flush mounting |
|---------------|----------------|

Components

| | |
|--------------------------|------------------|
| Ballast | Osram |
| Drilled holes | 3 x M20 |
| Cable glands and entries | 2 x M20 x 1.5 |
| Material cable gland | Polyamide, black |
| Cable entry accessories | 1 x with plug |
| Stopping plugs | 1 x M20 x 1.5 |
| Stopping plug material | Polyamide, black |

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Light Distribution Curves



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

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.