

6525/2124-3701-6021-331 Art. No. 282308



- Stainless steel enclosure as standard for a long service life and safety even under harsh ambient conditions
- Extremely wide range of ambient temperatures – between -60 °C and +60 °C
- Robust design with IK10 and IP66
- Wide-range input with optional 100 V to 277 V
- DALI versions available for lighting control, monitoring and switching

MY R. STAHL 6525C



The wide-range input now also meets the electrical installation conditions for global use. With an optional DALI interface, the floodlight paves the way to a digital lighting solution. Its extremely low start-up current can also support existing installations, as the circuit breakers that are already installed do not need to be replaced.

Technical Data

Explosion Protection

| | |
|---------------------------------|---|
| Application range (zones) | 2, 21, 22 |
| IECEx gas explosion protection | Ex nR IIC T5 Gc |
| IECEx dust explosion protection | Ex tb op is IIIC T100 °C Db |
| ATEX gas explosion protection | ⊕ II 3 G Ex nR IIC T5 Gc |
| ATEX dust explosion protection | ⊕ II 2 D Ex tb op is IIIC T100 °C Db |
| Certificates | ATEX (BVIS), IECEx (BVIS), India (PESO) |

Electrical Data

| | |
|------------------------------|---|
| AC rated operational voltage | 110 ... 277 V |
| Frequency range | 50 – 60 Hz |
| Control gear service life | C10 ≥ 100 h, Ta ≤ 25 °C C10 ≥ 50 h, Ta ≤ 60 °C C10 ≥ 60 h, Ta ≤ 40 °C |
| LED service life | L90B50: 66 h |

Lighting Data

| | |
|--------------------|------------|
| Lamp wattage | 160 W |
| Lamp type | LED |
| Lamp | LED |
| Light colour | Cool white |
| Light distribution | Wide beam |
| Luminaire efficacy | 114 lm/W |
| Luminous flux | 17640 lm |
| Colour rendering | ≥ 70 |
| Colour temperature | 5700 K |

Ambient Conditions

| | |
|---------------------|-------------------|
| Ambient temperature | -60 °C ... +60 °C |
| Storage temperature | -40 °C ... +75 °C |

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Mechanical Data

| | |
|---|---|
| Degree of protection (IP) | IP66 |
| Class | I |
| Enclosure material | Stainless steel 1.4301, Powder-coated Single-layer powder-coated |
| Enclosure colour | Similar to RAL 9010 |
| Sealing material | Silicone |
| Pane material | Reinforced glass |
| Max. solid connection terminals | 6 mm ² |
| Max. finely stranded connection terminals | 4 mm ² |
| Type of connection cable | Finely stranded Solid |
| Width | 400 mm |
| Height | 70 mm |
| Length | 520 mm |
| Impact strength (IEC 62262) | IK10 |
| Mounting | With bracket, SS304 |
| Weight | 15.5 kg |
| Weight | 34.17 lb |

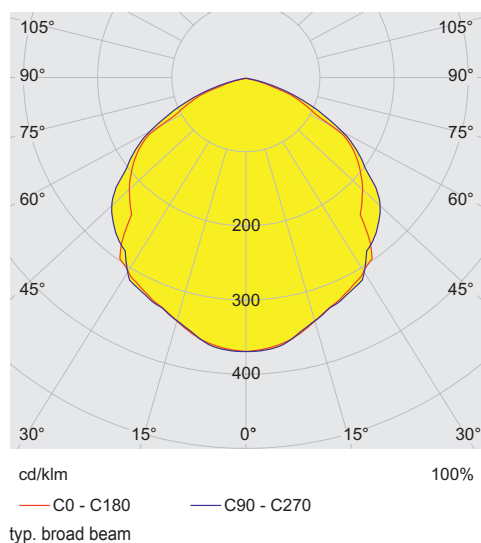
Mounting / Installation

| | |
|---------------------|----------|
| Note about mounting | Provided |
|---------------------|----------|

Components

| | |
|--------------------------|----------------------------|
| Drilled holes | 3 x M20 |
| Cable glands and entries | CMP-20A2F 1 x M20 x 1.5 |
| Cable entry accessories | 1 x with plug |
| Stopping plugs | 1 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



Mounting bracket



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