

6036/31401-64500-111050-850-0000ST00 Art. No. 320294



- Extremely compact and robust light fitting for general lighting applications
- Vibration-proof, sturdy and low-maintenance
- Optionally available with DALI interface or address module for operation in central battery systems.
- IP66/IP67 and IP68 degree of protection
- Suitable for operation in extreme ambient temperatures from -55 °C to +70 °C

MY R. STAHL 6036B



The Series 6036 compact LED tubular light fitting is ideal for general lighting applications and for use as a machine luminaire, even in hard-to-reach areas with very little space. This light fitting boasts a long service life of up to 100,000 hours thanks to its use of energy-efficient LED technology, coupled with electronics that have been developed in-house by R. STAHL. Due to its robust design, it can withstand extreme temperatures of between -55 °C and +70 °C.

Technical Data

Explosion Protection

| | |
|---------------------------------|---------------------------------|
| Application range (zones) | 1, 2, 21, 22 |
| IECEX gas certificate | IECEX EPS 13.0027 |
| IECEX gas explosion protection | Ex db op is IIC T6 Gb |
| IECEX dust certificate | IECEX EPS 13.0027 |
| IECEX dust explosion protection | Ex tb IIIC T80 °C Db |
| ATEX gas certificate | EPS 13 ATEX 1 597 |
| ATEX gas explosion protection | Ex II 2 G Ex db op is IIC T6 Gb |
| ATEX dust certificate | EPS 13 ATEX 1 597 |
| ATEX dust explosion protection | Ex II 2 D Ex tb IIIC T80 °C Db |
| Certificates and approvals | ATEX IECEX |
| Certificates | ATEX (BVIS), IECEX (BVIS) |
| Declaration of Conformity | ATEX (EUK) |

Electrical Data

| | |
|------------------------------|---------------|
| Rated operational voltage AC | 100 ... 277 V |
| Rated operational voltage DC | 190 ... 250 V |
| Power factor | ≥ 0.92 |
| Frequency range | 50 – 60Hz |
| Control interface | without |

Auxiliary Power

| | |
|-----------------|--------|
| Nominal current | 220 mA |
|-----------------|--------|

Lighting Data

| | |
|--------------------|---------------------------|
| Light colour | 850 to 5000 K CRI80 |
| Light distribution | 140° with diffusing glass |
| Luminaire efficacy | 129 lm/W |
| Luminous flux | 6040 lm |

Lighting

LED tube light explosion-protected



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Lighting Data

| | |
|--------------------|---------------------------------------|
| Colour rendering | ≥ 80 |
| Colour temperature | 5000 K |
| Note | Values apply to $T_a = +25\text{ °C}$ |

Ambient Conditions

| | |
|---------------------|---|
| Ambient temperature | -55 °C ... 50 °C switch on above -40 °C |
| Storage temperature | -40 °C ... 70 °C |

Mechanical Data

| | |
|-------------------------------------|--------------------------------|
| IP degree of protection (IEC 60598) | IP66 / IP68 (10 m / 60 min) |
| Class | II |
| Enclosure material | Polycarbonate |
| Pipe material | Polycarbonate |
| Type of connection cable | H07RN8-F 2x1.5 mm ² |
| Cable length | 5 m |
| Size | 4 |
| Length | 1450 mm |
| Diameter | 55.9 mm |
| Impact strength (IEC 62262) | IK11 |
| Weight | 2.95 kg |
| Weight | 6.5 lb |

Components

| | |
|--------------------------|----------------------|
| Cable glands and entries | CMP-20-A2F (M20x1.5) |
| Wire guard | No |

Technical Drawings – Subject to Alterations



Luminous flux decline

- In DC operation to 50%
- Relative to ambient temperature
- 1: All white tones, size 1 to 4
- 2: All colours, size 1 to 4

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



Design size 4

Accessories

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| Plug | | Art. No. |
|--|--|----------|
|  | 8570/12-306-S-XX-X-XX-XXX 3-pole plug, 200 to 250 V AC, 50 / 60 Hz, 16 A | 272898 |
| Mounting bracket | | Art. No. |
|  | Mounting bracket made of galvanised sheet steel to screw onto thread M8 or M10 (2 pieces) | 227256 |
| | Mounting bracket made of stainless steel V4A to screw onto thread M8 or M10 (2 pieces) | 227257 |
|  | Double plastic mounting clamp for mounting on pipes with a diameter of 45 to 55 mm (screws and nuts made from stainless steel V2A) (2 pieces) | 254932 |
|  | Mounting bracket made from galvanised sheet steel (x 2 units); for design size 1 | 120535 |
|  | Mounting plate made of stainless steel V4A for terminal box Ex e Series 8010 (for example Art. No. 130724) for fastening on mounting bracket Art. No. 252940 | 254494 |
| Mounting bracket and magnet | | Art. No. |
|  | Mounting bracket made from galvanised sheet steel with magnetic base (x 2 units); for design size 1 | 120536 |

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.