

6036/31101-62510-111250-927-0000ST00 Art. No. 313355



- 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 |
| Declaration of Conformity | ATEX (EUK) |

Electrical Data

| | |
|------------------------------|---------------|
| Rated operational voltage AC | 100 – 277 V |
| Rated operational voltage DC | 190 ... 250 V |
| Power factor | ≥ 0.88 |
| Frequency range | 50 – 60Hz |
| Control interface | DALI |

Auxiliary Power

| | |
|-----------------|-------|
| Nominal current | 60 mA |
|-----------------|-------|

Lighting Data

| | |
|--------------------|---------------------------|
| Light colour | Warm white CRI90 |
| Light distribution | 140° with diffusing glass |
| Luminaire efficacy | 97 lm/W |

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Lighting Data

| | |
|--------------------|---------------------------------------|
| Luminous flux | 1260 lm |
| Colour rendering | ≥ 90 |
| Colour temperature | 2700 K |
| Note | Values apply to $T_a = +25\text{ °C}$ |

Ambient Conditions

| | |
|---------------------|------------------|
| Storage temperature | -40 °C ... 70 °C |
|---------------------|------------------|

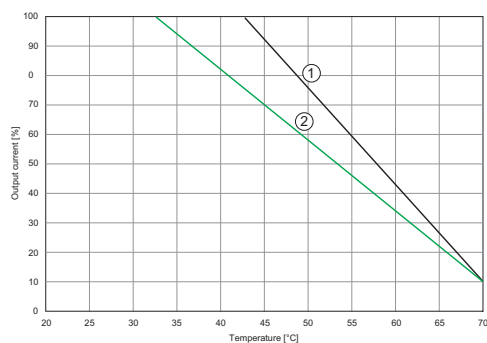
Mechanical Data

| | |
|-------------------------------------|--------------------------------|
| 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 | 25 m |
| Size | 1 |
| Length | 550 mm |
| Diameter | 55.9 mm |
| Impact strength (IEC 62262) | IK11 |
| Weight | - |

Components

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

Technical Drawings – Subject to Alterations



Luminous flux decline

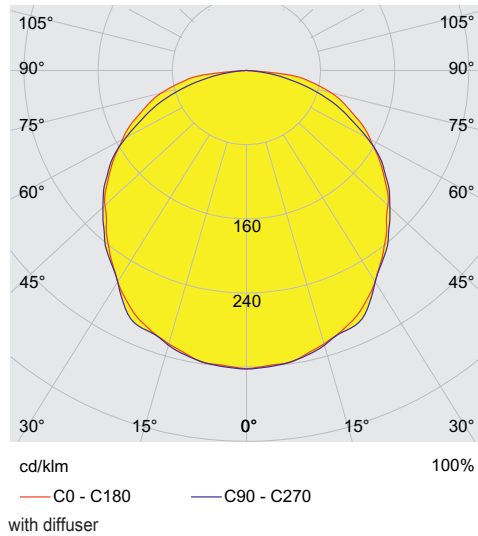
- In DC operation to 50%

- Relative to ambient temperature

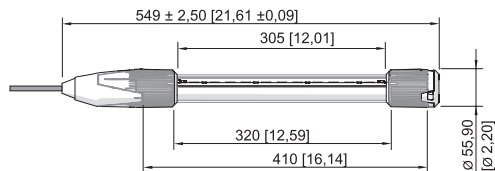
1: All white tones, size 1 to 4

2: All colours, size 1 to 4

Light Distribution Curves



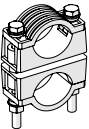
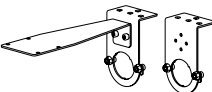
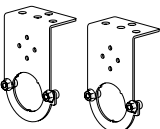


Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations





Design size 1

Accessories


| 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 |
|  | Set of mounting plate Art. no. 254494 and mounting bracket Art. no. 252940 | 248100 |
|  | Mounting bracket made of stainless steel V4A for fastening on surfaces (2 pieces) | 252940 |

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| | | |
|--|--|--------|
|  | 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.