# Lighting
LED tube light explosion-protected

## 6036/31101-42500-181025-850-IN00ST00 Art. No. 341234



- 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 -5 °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 -5 °C and +70 °C.

## Technical Data

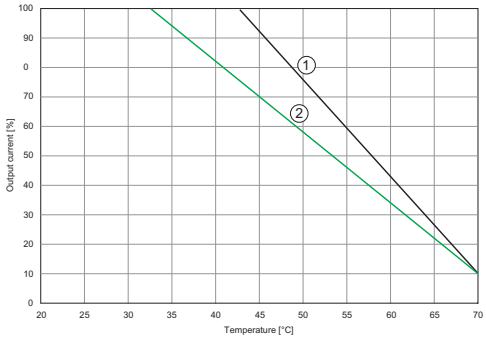
| | |
|---|---|
| **Explosion Protection** | |
| Application range (zones) | 1, 2, 21, 22 |
| IECEx gas certificate | IECEx EPS 13.0027 |
| IECEx gas explosion protection | Ex db op is IIC T4 Gb |
| IECEx dust certificate | IECEx EPS 13.0027 |
| IECEx dust explosion protection | Ex tb IIIC T100 °C Db |
| ATEX gas certificate | EPS 13 ATEX 1 597 |
| ATEX gas explosion protection | Ex II 2 G Ex db op is IIC T4 Gb |
| ATEX dust certificate | EPS 13 ATEX 1 597 |
| ATEX dust explosion protection | Ex II 2 D Ex tb IIIC T100 °C Db |
| Marking CSAus | N/A, N/A N/A N/A N/A N/A |
| Certificates and approvals | ATEX<br>IECEx<br>India (PESO) |
| Certificates | ATEX (BVIS), IECEx (BVIS), India (PESO) |
| Ship approval | DNV |
| Declaration of conformity | ATEX (EUK) |
| **Electrical Data** | |
| AC rated operational voltage | 100 ... 277 V |
| Rated operational voltage DC | 190 ... 250 V |
| Frequency range | 50 – 60Hz |
| Power factor | ≥ 0.88 |
| Control gear service life | C10 ≥ 80 h, Ta ≤ 70 °C |
| LED service life | L90B50 ≥ 100 h |
| Control interface | without |

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| | |
|---|---|
| **Auxiliary Power** | |
| Nominal current | 60 mA |
| **Lighting Data** | |
| Light colour | 850 to 5000 K CRI80 |
| Light distribution | 140° with diffusing glass |
| Luminaire efficacy | 116 lm/W |
| Luminous flux | 1510 lm |
| Colour rendering | ≥ 80 |
| Colour temperature | 5000 K |
| Note | Values apply to $T_a$ = +25 °C |
| **Ambient Conditions** | |
| Ambient temperature | -5 °C ... +70 °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 | ÖLFLEX 100 2x1.5 sqmm |
| Cable length | 2.5 m |
| Size | 1 |
| Length | 550 mm |
| Diameter | 55.9 mm |
| Impact strength (IEC 62262) | IK11 |
| Weight | 1.67 kg |
| Weight | 3.67 lb |
| **Components** | |
| Cable glands and entries | CMP-20-A2F (M20x1.5) |
| Wire guard | No |

**Technical Drawings – Subject to Alterations**

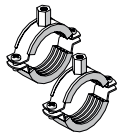
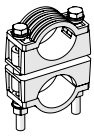
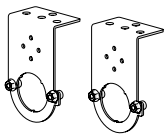
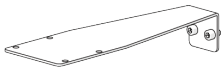



Luminous flux decline
- In DC operation to 50%
- Relative to ambient temperature
1: All white tones, size 1 to 4
2: All colours, size 1 to 4

## 6036/31101-42500-181025-850-IN00ST00 Art. No. 341234

## 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 |
|  | Mounting bracket made from galvanised sheet steel (x 2 units); for design size 1 | 120535 |
|  | Mounting bracket made of stainless steel V4A for fastening on surfaces (2 pieces) | 323163 |
|  | 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.