

6036/31401-44500-111100-850-0000ST00 Art. No. 317343



- 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 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 |
| Certificates and approvals      | ATEX<br>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 ... 70 °C switch on above -40 °C |
| Storage temperature | -40 °C ... 70 °C                        |

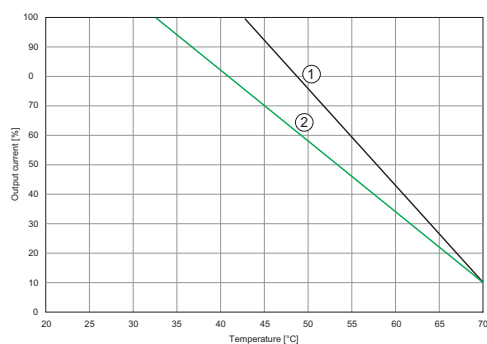
### Mechanical Data

|                                     |                                |
|-------------------------------------|--------------------------------|
| IP degree of protection (IEC 60598) | IP66 / IP68 (10 m / 60 min)    |
| Class                               | II                             |
| Enclosure material                  | Polycarbonate                  |
| Pipe material                       | Polycarbonate                  |
| Type of connection cable            | H07RN8-F 2x1.5 mm <sup>2</sup> |
| Cable length                        | 10 m                           |
| Size                                | 4                              |
| Length                              | 1450 mm                        |
| Diameter                            | 55.9 mm                        |
| Impact strength (IEC 62262)         | IK11                           |
| Weight                              | 3.55 kg                        |
| Weight                              | 7.83 lb                        |

### Components

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

### Technical Drawings – Subject to Alterations

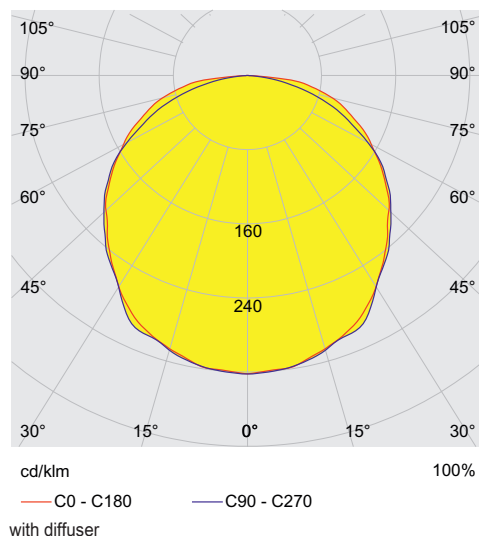


#### Luminous flux decline

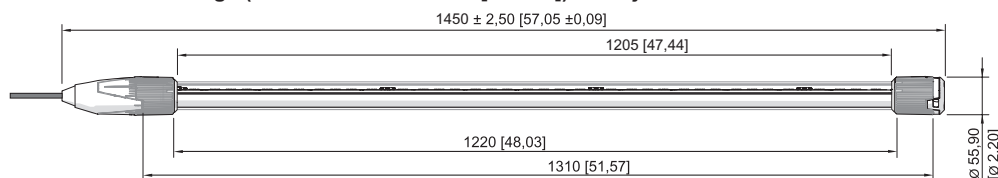
- In DC operation to 50%
- Relative to ambient temperature
- 1: All white tones, size 1 to 4
- 2: All colours, size 1 to 4

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### Light Distribution Curves


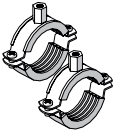
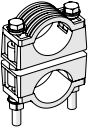

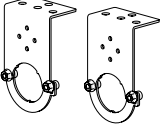


### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Design size 4

### Accessories



|  |   | Art. No. |
|--|---|----------|
| <b>Plug</b>  |   |          |
|  | 8570/12-306-S-XX-X-XX-XXX 3-pole plug, 200 to 250 V AC, 50 / 60 Hz, 16 A  | 272898   |
| <b>Mounting bracket</b>  |   |          |
|  | 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   |

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|  |  |                 |
|--|--|-----------------|
|  | 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          |
| <b>Mounting bracket and magnet</b>   |  | <b>Art. No.</b> |
|  | 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.