

6036/31404-44500-131100-850-0000ST00 Art. No. 330079



- 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), Korea (KTL) |
| Ship approval             | DNV                                    |
| 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 | Batwing optics      |
| Luminaire efficacy | 123 lm/W            |

Lighting  
LED tube light explosion-protected



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Lighting Data

|                    |   |
|--------------------|---|
| Luminous flux      | 5760 lm                                 |
| Colour rendering   | ≥ 80                                    |
| Colour temperature | 5000 K                                  |
| Note               | Values apply to T <sub>a</sub> = +25 °C |

Ambient Conditions

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

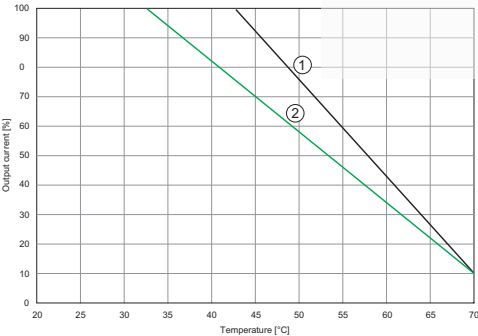
Mechanical Data

|                                     |                             |
|-------------------------------------|-----------------------------|
| IP degree of protection (IEC 60598) | IP66 / IP68 (10 m / 60 min) |
| Class                               | II                          |
| Enclosure material                  | Polycarbonate               |
| Pipe material                       | Polycarbonate               |
| Type of connection cable            | (N)HXSLHXÖ-J 2x1.5 mm²      |
| Cable length                        | 10 m                        |
| Size                                | 4                           |
| Length                              | 1450 mm                     |
| Diameter                            | 55.9 mm                     |
| Impact strength (IEC 62262)         | IK11                        |
| Weight                              | 3.23 kg                     |
| Weight                              | 7.12 lb                     |

Components

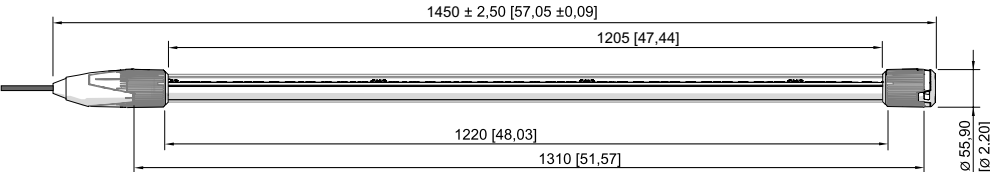
|                          |                      |
|--------------------------|----------------------|
| Cable glands and entries | CMP-20-A2F (M20x1.5) |
| Wire guard               | No                   |

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


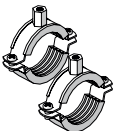
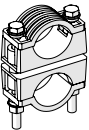

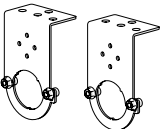


Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Design size 4

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## 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.