

6036/31304-44500-171100-940-0000ST00 Art. No. 321855



- 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)       |
| 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                 | ≥ 0.90                 |
| Control gear service life    | C10 ≥ 80 h, Ta ≤ 70 °C |
| LED service life             | L90B50 ≥ 100 h         |
| Control interface            | without                |

#### Auxiliary Power

|                 |        |
|-----------------|--------|
| Nominal current | 170 mA |
|-----------------|--------|

#### Lighting Data

|              |                          |
|--------------|--------------------------|
| Light colour | Warm neutral white CRI90 |
|--------------|--------------------------|

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### Lighting Data

|                    |                                       |
|--------------------|---------------------------------------|
| Light distribution | Batwing optics                        |
| Luminaire efficacy | 108 lm/W                              |
| Luminous flux      | 3870 lm                               |
| Colour rendering   | ≥ 90                                  |
| Colour temperature | 4000 K                                |
| Note               | Values apply to $T_a = +25\text{ °C}$ |

### Ambient Conditions

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

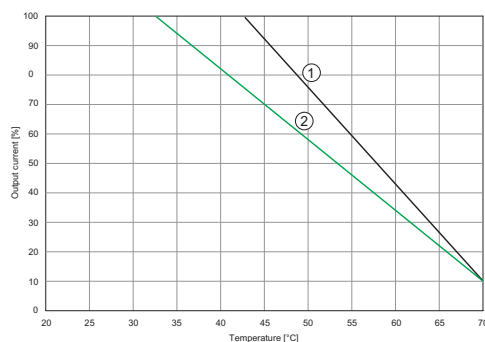
### Mechanical Data

|                                     |                             |
|-------------------------------------|-----------------------------|
| IP degree of protection (IEC 60598) | IP66 / IP68 (10 m / 60 min) |
| Class                               | II                          |
| Enclosure material                  | Polycarbonate               |
| Pipe material                       | Polycarbonate               |
| Type of connection cable            | RADOX MFH-S B 2x1.5         |
| Cable length                        | 10 m                        |
| Size                                | 3                           |
| Length                              | 1150 mm                     |
| Diameter                            | 55.9 mm                     |
| Impact strength (IEC 62262)         | IK11                        |
| Weight                              | 2.97 kg                     |
| Weight                              | 6.55 lb                     |

### Components

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

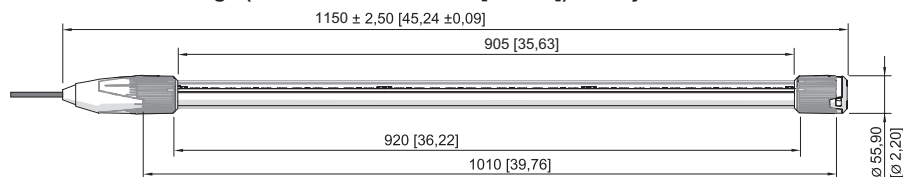
### Technical Drawings – Subject to Alterations



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


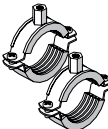
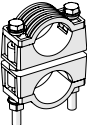

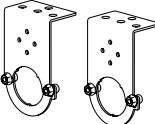
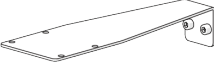

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**Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations**



Design size 3

**Accessories**

|  |  | <b>Art. No.</b> |
|--|--|-----------------|
| <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>  |  | <b>Art. No.</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          |
|  | 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.