

6036/31301-44500-111100-850-0000ST00 Art. No. 317340



- 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

|                              |               |
|------------------------------|---------------|
| Rated operational voltage AC | 100 ... 277 V |
| Rated operational voltage DC | 190 ... 250 V |
| Power factor                 | ≥ 0.90        |
| Frequency range              | 50 – 60Hz     |
| Control interface            | without       |

### Auxiliary Power

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

### Lighting Data

|                    |                           |
|--------------------|---------------------------|
| Light colour       | 850 to 5000 K CRI80       |
| Light distribution | 140° with diffusing glass |
| Luminaire efficacy | 128 lm/W                  |

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Lighting Data

|                    |                                         |
|--------------------|-----------------------------------------|
| Luminous flux      | 4620 lm                                 |
| Colour rendering   | ≥ 80                                    |
| Colour temperature | 5000 K                                  |
| Note               | Values apply to T <sub>a</sub> = +25 °C |

Ambient Conditions

|                     |                                         |
|---------------------|-----------------------------------------|
| Ambient temperature | -55 °C ... 70 °C switch on above -40 °C |
| Storage temperature | -40 °C ... 70 °C                        |

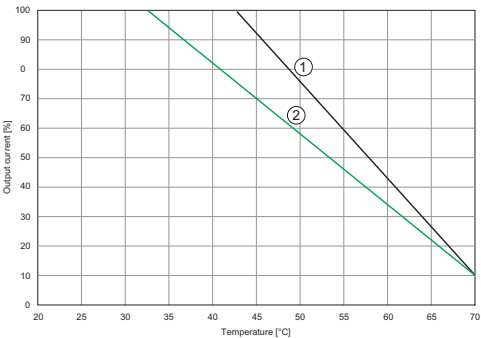
Mechanical Data

|                                     |                                |
|-------------------------------------|--------------------------------|
| 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                                | 3                              |
| Length                              | 1150 mm                        |
| Diameter                            | 55.9 mm                        |
| Impact strength (IEC 62262)         | IK11                           |
| Weight                              | 3.24 kg                        |
| Weight                              | 7.14 lb                        |

Components

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

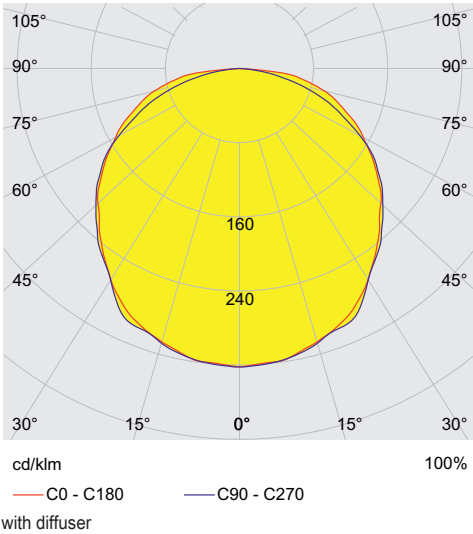
Technical Drawings – Subject to Alterations



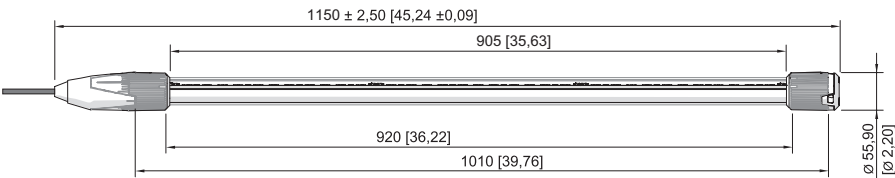
Luminous flux decline  
- In DC operation to 50%  
- Relative to ambient temperature  
1: All white tones, size 1 to 4  
2: All colours, size 1 to 4

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Light Distribution Curves

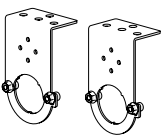


Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

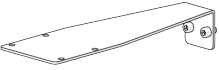


Design size 3

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   |

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| Mounting bracket                                                                 |                                                                                                                                                              | Art. No. |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|  | 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.