

6036/31201-42500-181100-850-IN00ST00 Art. No. 341236



- 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                             |
| IECEEx gas certificate           | IECEEx EPS 13.0027                       |
| IECEEx gas explosion protection  | Ex db op is IIC T4 Gb                    |
| IECEEx dust certificate          | IECEEx EPS 13.0027                       |
| IECEEx 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>IECEEx<br>India (PESO)           |
| Certificates                     | ATEX (BVIS), IECEEx (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                 | ≥ 0.95                 |
| Control gear service life    | C10 ≥ 80 h, Ta ≤ 70 °C |
| LED service life             | L90B50 ≥ 100 h         |
| Control interface            | without                |

### Auxiliary Power

|                 |        |
|-----------------|--------|
| Nominal current | 110 mA |
|-----------------|--------|

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**Lighting Data**

|                    |                                         |
|--------------------|-----------------------------------------|
| Light colour       | 850 to 5000 K CRI80                     |
| Light distribution | 140° with diffusing glass               |
| Luminaire efficacy | 127 lm/W                                |
| Luminous flux      | 3050 lm                                 |
| Colour rendering   | ≥ 80                                    |
| Colour temperature | 5000 K                                  |
| Note               | Values apply to T <sub>a</sub> = +25 °C |

**Ambient Conditions**

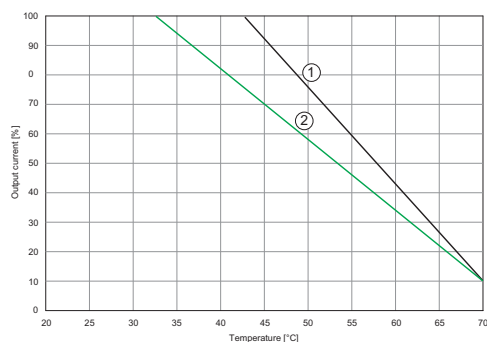
|                     |                                         |
|---------------------|-----------------------------------------|
| Ambient temperature | -5 °C ... +70 °C switch on above -40 °C |
| Storage temperature | -40 °C ... +70 °C                       |

**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                        | 10 m                        |
| Size                                | 2                           |
| Length                              | 850 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%

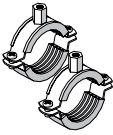
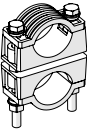
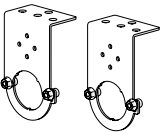
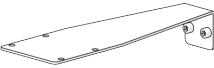
- Relative to ambient temperature

1: All white tones, size 1 to 4

2: All colours, size 1 to 4

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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.