

## Tubular Light Fitting LED Series 6039



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**THORNE & DERRICK UK**  
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- > Extremely robust luminaire design for rough ambient conditions
- > Can be used as maintenance-free machine light
- > Extremely long service life due to LED used
- > High power LEDs including driver in innovative design
- > Even more security due to flicker-free LED light

**E2**



15557E00

The tubular light fitting LED of the Series 6039 is an extremely robust luminaire with high IP degree of protection. The maintenance-free and long-life luminaire is particularly suitable for the use as machine light. Thanks to the compact design and the special fastening accessories, the tubular light fitting LED Series 6039 can be mounted very well at areas with reduced mounting space that are difficult to access. The flicker-free LED light ensures a high degree of safety in case of rotating system components.

|            | ATEX / IECEx |   |   |    |    |    |
|------------|--------------|---|---|----|----|----|
| Zone       | 0            | 1 | 2 | 20 | 21 | 22 |
| For use in |              | x | x |    | x  | x  |

**WebCode 6039A**



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#### Selection table

| Version                           | Rated operational voltage                                                                                           | Connection Cable | Order number       | Weight<br>kg |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------|--------------------|--------------|
| Tubular Light Fitting<br>LED 6039 | 12 (± 10 %) V DC                                                                                                    | 2.5 m            | 6039/2-1221-120-00 | 1.400        |
|                                   |                                                                                                                     | 5.0 m            | 6039/2-1221-150-00 | 1.400        |
|                                   | 24 ... 48 (± 10 %) V<br>AC / DC, 50 / 60 Hz                                                                         | 2.5 m            | 6039/2-1321-120-00 | 1.400        |
|                                   |                                                                                                                     | 5.0 m            | 6039/2-1321-150-00 | 1.400        |
|                                   | 110 ... 240 (± 10 %) V<br>AC / DC, 50 / 60 Hz                                                                       | 2.5 m            | 6039/2-1511-120-00 | 1.400        |
|                                   |                                                                                                                     | 5.0 m            | 6039/2-1511-150-00 | 1.400        |
| Note                              | - The tubular light fitting is delivered without plug. Specify the plug on order (see Accessories and Spare Parts). |                  |                    |              |

#### Explosion protection

|                                   |  |                                                                                                                    |  |  |
|-----------------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|--|
| <b>Global (IECEx)</b>             |  |                                                                                                                    |  |  |
| Gas and dust                      |  | IECEx PTB 07.0018<br>Ex d IIC T4 Gb or Ex db IIC T4<br>Ex tb IIIC T100°C Db or Ex tb IIIC T 100°C                  |  |  |
| <b>Europe (ATEX)</b>              |  |                                                                                                                    |  |  |
| Gas and dust                      |  | PTB 07 ATEX 1009<br>⊕ II 2 G Ex d IIC T4 Gb or Ex db IIC T4<br>⊕ II 2 D Ex tb IIIC T100 °C Db or Ex tb IIIC T100°C |  |  |
| <b>Certificates and approvals</b> |  |                                                                                                                    |  |  |
| Certificates                      |  | IECEx, ATEX                                                                                                        |  |  |

#### Technical Data

| Electrical data             |                                                                                                                                                                                                                                                            |       |                                          |  |                                            |  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------|--|--------------------------------------------|--|
| Version                     | 6039/2-12 (12 V)                                                                                                                                                                                                                                           |       | 6039/2-13 (24 ... 48 V)                  |  | 6039/2-15 (110 ... 240 V)                  |  |
| Rated operational voltage   | 12 (± 10 %) V DC                                                                                                                                                                                                                                           |       | 24 ... 48 (± 10 %) V AC / DC, 50 / 60 Hz |  | 110 ... 240 (± 10 %) V AC / DC, 50 / 60 Hz |  |
| Nominal operational current | 12 V                                                                                                                                                                                                                                                       | 1.3 A | 24 V AC / DC 0.7 A                       |  | 110 V AC 0.13 A                            |  |
|                             |                                                                                                                                                                                                                                                            |       | 48 V AC / DC 0.3 A                       |  | 240 V AC 0.07 A                            |  |
| Luminous Characteristics    |                                                                                                                                                                                                                                                            |       |                                          |  |                                            |  |
| Version                     | 6039/2-12 (12 V)                                                                                                                                                                                                                                           |       | 6039/2-13 (24 ... 48 V)                  |  | 6039/2-15 (110 ... 240 V)                  |  |
| Lamps                       | LED - typ. 6000K                                                                                                                                                                                                                                           |       | LED - typ. 6000K                         |  | LED - typ. 6000K                           |  |
| Luminous flux               | approx. 1,000 lm                                                                                                                                                                                                                                           |       | approx. 1,000 lm                         |  | approx. 1,000 lm                           |  |
| Luminous Intensity          | 285 lux in 1 m distance                                                                                                                                                                                                                                    |       | 285 lux in 1 m distance                  |  | 285 lux in 1 m distance                    |  |
| Ambient conditions          |                                                                                                                                                                                                                                                            |       |                                          |  |                                            |  |
| Version                     | 6039/2-12 (12 V)                                                                                                                                                                                                                                           |       | 6039/2-13 (24 ... 48 V)                  |  | 6039/2-15 (110 ... 240 V)                  |  |
| Ambient temperature         | -40 ... +40 °C                                                                                                                                                                                                                                             |       | -40 ... +60 °C                           |  | -30 ... +60 °C                             |  |
| Mechanical data             |                                                                                                                                                                                                                                                            |       |                                          |  |                                            |  |
| Degree of protection        | IP66 / IP67                                                                                                                                                                                                                                                |       |                                          |  |                                            |  |
| Protection class            | II                                                                                                                                                                                                                                                         |       |                                          |  |                                            |  |
| Material                    |                                                                                                                                                                                                                                                            |       |                                          |  |                                            |  |
| Enclosure tube              | Polycarbonate                                                                                                                                                                                                                                              |       |                                          |  |                                            |  |
| Sealing cap                 | NBR / PVC (EPDM)                                                                                                                                                                                                                                           |       |                                          |  |                                            |  |
| Mounting / installation     |                                                                                                                                                                                                                                                            |       |                                          |  |                                            |  |
| Connecting cable            | Standard: connecting cable, type H07RN-F, Ø 7.7 ... 10 mm, 2 x 1 mm <sup>2</sup><br>Optional: Gifas Thermoflex cable, Type HXSLHXÖ-J, d 7.7 ... 10 mm, 2 x 1.5 mm <sup>2</sup><br>Helukabel with steel wire screening, Type SY-JZ, 2 x 1.5 mm <sup>2</sup> |       |                                          |  |                                            |  |



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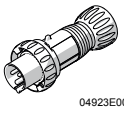
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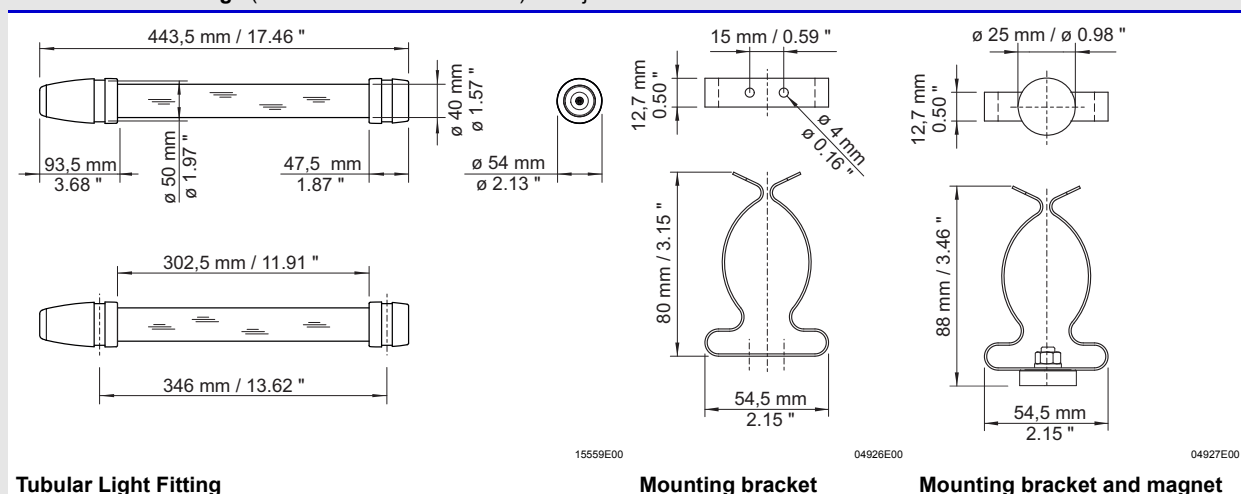


## Accessories and spare parts

| Designation                 | Figure                                                                                        | Description                                                      | Art. no.      | Weight<br>kg |
|-----------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------|--------------|
| Mounting bracket            | <br>04880E00 | Mounting bracket of galvanised sheet steel (2 pieces)            | <b>120535</b> | 0.050        |
| Mounting bracket and magnet | <br>04885E00 | Mounting bracket of galvanised sheet steel and magnet (2 pieces) | <b>120536</b> | 0.100        |
| Plug                        | <br>04923E00 | 8570/12-304 3 pins, 100 ... 130 V, 50 / 60 Hz, 16 A              | <b>150599</b> | 0.420        |
|                             |                                                                                               | 8570/12-306 3 pins, 200 ... 250 V, 50 / 60 Hz, 16 A              | <b>150579</b> | 0.420        |

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## Dimensional Drawings (All Dimensions in mm / inch) - Subject to Alterations



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.



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