Lighting

Linear luminaire With LED

6402/4148-6100-152-1110-11-8500 Art. No. 267054

WebCode 6402C

- State-of-the-art LED technology with high luminous efficacy and long service life
- Extremely high luminaire efficacy
- Luminous flux after 100,000 h still 90% of the starting luminous flux
- Optionally with DALI for controlling and monitoring the luminaire
- Optionally with address modules for directly actuation of a common battery system

The linear luminaire with Series 6402/4 LED is ideal for lighting surfaces at a mounting height of up to 10 m. It can also be used to illuminate equipment and objects, both inside and outside. The pole mounting sleeve accessory can be used to easily mount the luminaire on poles. Optionally, the luminaire can be equipped with an address module. It can be used to control and monitor the luminaire for the common battery systems.

Technical Data

**Explosion Protection**

| Application range (zones) | 2  
|                          | 21  
|                          | 22  
| IECEx gas certificate    | IECEx IBE 14.0080X  
| ATEX gas certificate     | IBE U 14 ATEX B020 X  
| IECEx dust certificate   | IECEx IBE 14.0080X  
| ATEX dust certificate    | IBE U 14 ATEX 1292  
| Ambient temperature °C   | -40 … +55 °C  
| Note: Through wiring     | Max. 3x16 A  

Gas explosion protection IECEx

- Ex ec IIC T4 Gc

Gas explosion protection ATEX

- Ex ec IIIC T4 Gc

Dust explosion protection IECEx

- Ex tb op is IIIC T100 °C Db

Dust explosion protection ATEX

- Ex 2 D Ex tb op is IIIC T100 °C Db

Ambient temperature °C 2

-40 … +60 °C

Note: Through wiring 2

- Max. 3x10 A

Dust explosion protection IECEx 2

- Ex tc IIIC T100 °C Db

Dust Explosion Protection ATEX 2

- Ex 2 D Ex tc IIIC T100 °C Db

Certificates

- ATEX (IBE), IECEx (IBE), India (PESO)

Languages of the documentation

- German
- English

**Electrical Data**

- Ex version: Yes
- Rated operational voltage AC: 220 – 240 V
- Rated operational voltage DC: 200 – 250 V
- Frequency range: 50 – 60 Hz
- Lamp wattage: 42 W
### Lighting Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of lamps</td>
<td>1</td>
</tr>
<tr>
<td>Lamp wattage</td>
<td>42 W</td>
</tr>
<tr>
<td>Lamp</td>
<td>LED</td>
</tr>
<tr>
<td>Light colour</td>
<td>Neutral white</td>
</tr>
<tr>
<td>Light distribution</td>
<td>120°x120° with diffusing glass</td>
</tr>
<tr>
<td>Luminous flux</td>
<td>5810 lm</td>
</tr>
<tr>
<td>Colour rendering</td>
<td>≥ 80</td>
</tr>
<tr>
<td>Colour temperature</td>
<td>5000 K</td>
</tr>
</tbody>
</table>

### Ambient Conditions

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient temperature °F</td>
<td>-999 - -999 °F</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>-40 °C ... +55 °C</td>
</tr>
<tr>
<td></td>
<td>-40 °C ... +60 °C</td>
</tr>
</tbody>
</table>

### Mechanical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version</td>
<td>Standard</td>
</tr>
<tr>
<td>Degree of protection IP (IEC 60598)</td>
<td>IP66/IP67</td>
</tr>
<tr>
<td>Enclosure material</td>
<td>Polyester resin, Glass fibre reinforced</td>
</tr>
<tr>
<td>Diffuser</td>
<td>With diffuser</td>
</tr>
<tr>
<td>Sealing material</td>
<td>Silicone</td>
</tr>
<tr>
<td>Material translucent cover</td>
<td>Polycarbonate</td>
</tr>
<tr>
<td>Installed terminal strip</td>
<td>PE + N + L1 + L2 + L3</td>
</tr>
<tr>
<td>Connection terminals solid max.</td>
<td>6 mm²</td>
</tr>
<tr>
<td>Connection terminals finely-stranded max.</td>
<td>4 mm²</td>
</tr>
<tr>
<td>Type of connection cable</td>
<td>Finely stranded</td>
</tr>
<tr>
<td></td>
<td>Solid</td>
</tr>
<tr>
<td>Design size</td>
<td>4</td>
</tr>
<tr>
<td>Width</td>
<td>184 mm</td>
</tr>
<tr>
<td>Height</td>
<td>125 mm</td>
</tr>
<tr>
<td>Length</td>
<td>1310 mm</td>
</tr>
<tr>
<td>Impact strength (IK code)</td>
<td>IK10 (IEC 62262)</td>
</tr>
<tr>
<td>Enclosure colour</td>
<td>Light grey (RAL 7035)</td>
</tr>
<tr>
<td>Weight</td>
<td>5.6 kg</td>
</tr>
</tbody>
</table>

### Components

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Threaded plate</td>
<td>2x plastic</td>
</tr>
<tr>
<td>Ballast</td>
<td>VG Luxtronic 80 W 300 mA</td>
</tr>
<tr>
<td>Through wiring</td>
<td>With 5 conductors 2.5 mm²</td>
</tr>
<tr>
<td>Drilled holes</td>
<td>3 x M25</td>
</tr>
<tr>
<td>Screw connections</td>
<td>2 x M25 Ø 7 – 17 mm</td>
</tr>
<tr>
<td>Material of screw connections</td>
<td>Polyamide, black</td>
</tr>
<tr>
<td>Stopping plug</td>
<td>2 x M25 x 1.5</td>
</tr>
<tr>
<td>Stopping plug material</td>
<td>Polyamide, black</td>
</tr>
</tbody>
</table>
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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

Size 2:
L1 = 700 mm [27.56]
L2 = 400 mm [15.75]
L3 = 320 ... 480 mm [12.60 ... 18.90]

Size 4:
L1 = 1310 mm [51.57]
L2 = 800 mm [31.50]
L3 = 670 ... 930 mm [26.38 ... 36.61]

Ring bolt fitted in insert nut of the luminaire

Mounting rail

Pipe clamp fitted in mounting rail
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Mounting bracket fitted in mounting rail

Bracket for wall mounting with pipe section

With pole mounting sleeve
Size 2:
L1 = 978 mm [38.50]
L2 = 390 mm [15.35]

Size 4:
L1 = 1587 mm [62.48]
L2 = 338 mm [13.31]
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### Accessories and Spare Parts

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
<th>Art. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cover</strong></td>
<td>for luminaire size 4</td>
<td>222428</td>
</tr>
<tr>
<td><strong>Socket key</strong></td>
<td>M8 / wrench size 13; to open/close the central locking</td>
<td>222430</td>
</tr>
<tr>
<td><strong>Mounting rail</strong></td>
<td>for a variable mounting distance; 1 pair</td>
<td>222826</td>
</tr>
<tr>
<td><strong>Mounting bracket</strong></td>
<td>mounting clamp mounted on a mounting rail for a variable mounting distance; 1 pair</td>
<td>222456</td>
</tr>
<tr>
<td><strong>Pole mounting sleeve</strong></td>
<td>for the subsequent mounting on lights size 2 and size 4, completely with assembly parts</td>
<td>227512</td>
</tr>
<tr>
<td><strong>Pipe clamp</strong></td>
<td>R 1 1/2&quot;; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair</td>
<td>222459</td>
</tr>
<tr>
<td></td>
<td>R 1 1/4&quot;; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair</td>
<td>222458</td>
</tr>
<tr>
<td></td>
<td>R 2&quot;; with mounting rail for a variable mounting distance; Material: stainless steel; 1 pair</td>
<td>222460</td>
</tr>
<tr>
<td><strong>Ring bolt</strong></td>
<td>M8, direct mounting in insert nuts; 1 pair</td>
<td>115736</td>
</tr>
<tr>
<td><strong>Breather</strong></td>
<td>Thread: M25 x 1.5; 1 pc; for installation in lights; in moulded material; without counter nut</td>
<td>138573</td>
</tr>
<tr>
<td></td>
<td>Thread: M25 x 1.5; 20 pc; for installation in lights; in moulded material; without counter nut</td>
<td>138576</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Ceiling and wall mounting bracket</th>
<th>Art. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>mounted on a mounting rail for a variable mounting distance; Material: stainless steel; Lamp can be swiveled in steps of 15°; 1 pair</td>
<td>222827</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bracket for wall mounting with tube</th>
<th>Art. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>for side entry lamp; with tube, length 400 mm, Ø 42 mm</td>
<td>108947</td>
</tr>
</tbody>
</table>

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.