Lumistar Lumaire ESL 26, Stainless Steel

- **For mounting on sight glass fittings:**
  This sight glass luminaire is made of stainless steel and designed for universal applications. It is ideal for use in combined sight and light ports (single-flange version) or with two separate ports (2-flange version).

- **Compact design, powerful light output:**
  Glare-free illumination; fits circular sight glass fittings to DIN 28120/DIN 28121 or similar, screw-type sight glass fittings in compliance with DIN 11851, and sight glass fittings in visual flow indicators. Nominal sizes DN 50 and upward, depending on fitting.

- **Large light exit and convenient lamp replacement thanks to optimised screwed lens design**

- **Application:**
  For illuminating the interior of pressure vessels, tanks, silos, agitators and other, usually closed, vessels and reactors as well as visual flow indicators in non-explosive environments. Recommended for use in food processing industries.

- **Protection class:** dust- and splash-proof, IP 65 acc. to EN 60 529 / DIN VDE 0470, Part 1

- **Operating conditions:**
  Independent of the internal pressure / vacuum in the vessel. On no account should a sight glass luminaire be used on its own to close a vessel port or as a replacement for the cover flange or instead of the complete sight glass flange assembly.

- **Maximum admissible ambient temperature at the cable entry gland:** 80 °C
  In ambient temperatures of > 40°C, heat-resistant cable should be used, such as Sinotherm 110 H05GG-F 3G 1.5 mm².

- **Very easy to install using special mountings, ensuring convenient use:**
  The luminaire is attached to the cover flange of the circular sight glass fitting or the visual flow indicator by means of a hinged bracket, or fastened to the grooved nut on screw-type sight glass fittings.

The Lumistar luminaire ESL 26 fits the following sizes:

a) Circular sight glass fittings acc. to DIN 28120, DIN 28021 and visual flow indicators; mounting on cover flange: from DN 50

b) Screw-type sight glass fittings in compliance with DIN 11851:
  - mounting on or below the grooved nut:
    - DN 65, 80, 100: by flange adapter
    - DN 80, 100, 125: by hinged bracket
  - DN 80 and 100: by flange adapter or hinged bracket

- **Voltage type:** AC/DC, depending on type of luminaire

- **Operating voltage:**
  - without integrated transformer:
    - 12 V Halogen lamp 20 W or 50 W, AC/DC
    - 24 V Halogen lamp 20 W, 50 W or 100 W, AC/DC
    - 230 V Halogen lamp 50 W or 75 W
  - with integrated transformer:
    - PTC-protected (5 W), otherwise thermal fuse (> 5 W)
      - 120 V Halogen lamp 12 V/20 W AC
      - 230 V Halogen lamp 12 V/20 W AC

- **Transformers:**
  Transformers for 12 V or 24 V secondary voltage can be supplied on request.
• **Dimensions and electrical data for Lumistar luminaire ESL 26:**

<table>
<thead>
<tr>
<th>Item</th>
<th>ESL 25</th>
<th>part no.</th>
<th>nominal voltage V</th>
<th>integrated transformer</th>
<th>voltage/ wattage</th>
<th>socket</th>
<th>part no.</th>
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<tbody>
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<td>1</td>
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<td>12 V/20 W</td>
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<td>4</td>
<td>(230 V/12 V) 20 W</td>
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</table>

• **Components, design and materials:**
- Luminaire body: stainless steel 1.4404 (316LF), polished
- Mounting parts: stainless steel 1.4301 (see accessories)
- Cable entry gland M20 x 1.5

• **Weight:**
- Without integrated transformer: 1.7 kg
- With integrated transformer: 2.3 kg

• **Accessories:**
1. Hinged bracket for mounting luminaire, stainless steel
2. Flange adapter for DN 65-100, stainless steel
3. Timer (external) for time-dependent illumination, Lumiglas timer push-button
4. Claw spanner for screw-in lens, for opening the luminaire

**Order data:** e.g. Lumistar luminaire ESL 26, 230 V/50 W, part no. 3540.885.00, with hinged bracket, part no. 0354.016.00 and claw spanner, part no. 6805.001.00

All dimensions in mm unless stated otherwise. Subject to change without prior notice. 10.16