

## Lumistar Luminaire USL 05-LED

- **For mounting on sight glass fittings:**

This sight glass luminaire is designed for universal applications and is ideal either in combined sight and light ports (single-flange version) or for separate ports (two-flange version).

- **Compact design, powerful light output:**

Glare-free illumination; fits circular sight glass fittings similar to

DIN 28120/DIN 28121, screw-type sight glass fittings similar to DIN 11851 as well as visual flow indicator fittings.

- **Generous light exit and optimised screwed lens aperture**

- **Applications:**

For illuminating the interior of vessels, tanks, agitators, silos and other, generally closed, containers and reactors and also in visual flow indicators in non-explosive environments.  
Suitable for use in the food processing industry.

- **Protection class:** dust-tight and water jet-proof, IP 65 in compliance with EN 60 529 / DIN VDE 0470, part 1

- **Operating conditions:**

Independent of vacuum/pressure in the vessel. Under no circumstances should a sight glass luminaire be used as a substitute for the mating flange or instead of the complete sight glass flange assembly or on its own to close a vessel port.

- **Caution:** Do not look into light – Danger of impaired eyesight!

- **Maximum admissible ambient temperature:** 50°C

- **Straightforward installation using special attachment, ensuring convenience of use:**

The luminaire is fixed to the mating flange by a hinged bracket in the case of circular sight glass fittings and visual flow indicators. With screw-type sight glass fittings, the luminaire is fastened to the slotted nut.

- **Lumistar luminaire USL 05-LED fits the following nominal sizes:**

- Circular sight glass fitting similar to DIN 28120: from DN 25
- Circular sight glass fitting similar to DIN 28121: from DN 40
- Visual flow indicator: from DN 25
- Screw-type sight glass fitting similar to DIN 11851:
  - DN 65, DN 80 are mounted using a separate flange adapter
  - DN 80 and larger are mounted using a hinged bracket

- **Voltage type:** AC/DC

- **Operating voltage:**

24 V AC/DC – 7.5 W

230 V AC – 5.5 W

7.5 W: Colour temperature: 6500 K  
Luminous flux: 475 lm  
Beam angle: 40°

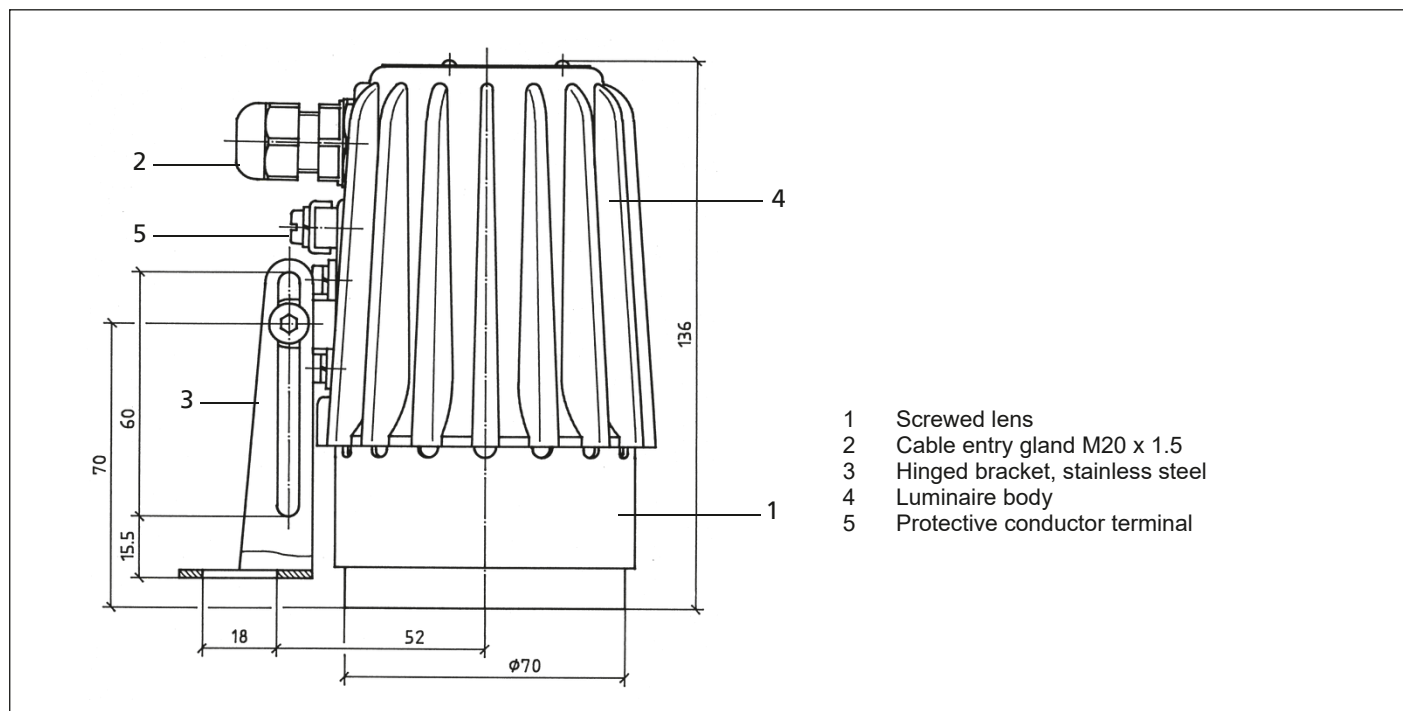
5.5 W: Colour temperature: 4000 K  
Luminous flux: 400 lm  
Beam angle: 25°



Lumistar luminaire USL 05-LED

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• **Dimensions and electrical data for Lumistar luminaire USL 05-LED:**



• **Description and materials:**

- Luminaire body: Corrosion-resistant cast aluminium alloy, GK-ALSi10Mg
- Protective conductor terminal: Inner compartment of lamp is already terminated; additional protective conductor terminal on the outside of the enclosure
- Light aperture: Unit consisting of aluminium ring and glass lens with Viton seal
- Mounting parts: Stainless steel 1.4301 (see accessories)

• **Weight:** 0.8 kg

• **Connecting data:**

| Lumistar luminaire USL 05-LED |               |             |                   |             |         | Replacements LED |        |             |
|-------------------------------|---------------|-------------|-------------------|-------------|---------|------------------|--------|-------------|
| No.                           | USL 05        | Part no.    | Nominal voltage V | Push-button | Timer   | Voltage/output   | Socket | Part no.    |
| 1                             | (24 V) 7.5 W  | 3541.831.00 | 24 .              | without     | without | LED module       | -      | 3858.023.00 |
| 2                             | (24 V) 7.5 W  | 3541.832.00 | 24 .              | with        | without | LED module       | -      | 3858.024.00 |
| 3                             | (230 V) 5.5 W | 3540.047.00 | 230 □             | without     | without | 230 V            | GZ10   | 3233.029.00 |
| 4                             | (230 V) 5.5 W | 3541.961.00 | 230 □             | with        | without | 230 V            | GZ10   | 3233.029.00 |

• **Accessories:**

| No. | Component                                                    | Part no.    |
|-----|--------------------------------------------------------------|-------------|
| 1   | Hinged bracket, stainless steel, for mounting luminaire      | 0354.014.00 |
| 2   | Flange adapter, stainless steel, for mounting luminaire      | 1356.010.00 |
| 3   | Lumistar Timer (external) for time-dependent illumination    | on request  |
| 4   | Special spanner for screwed glass lens to open the luminaire | 6816.001.00 |

• **Order data:** e.g. Lumistar luminaire USL 05-LED (24 V) 7.5 W, part no. 3540.831.00; with hinged bracket, part no. 0354.014.00

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