

Lumistar Luminaire USL 07-LED

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- **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 optimally designed screwed lens aperture**

- **Application:**

For illuminating the interiors of vessels, tanks, agitators, silos and other generally closed containers and reactors and also in visual flow indicators.

Suitable for use in the food processing industry.

- **Protection class:**

Dust-tight and water jet-proof,
IP 65 and IP 67 acc. to DIN EN 60529/DIN VDE 0470, part 1

- **Operating conditions:**

Independent of internal vacuum/pressure in the vessel.

Under no circumstances should a sight glass luminaire be used as a substitute for the cover 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!

- **Lumistar luminaires USL 07-LED are approved for use in ambient temperatures of up to 60°C.**

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

- **Operating voltage:**

24 V AC/DC – 14 W
120-230 V AC – 14 W
Colour temperature: 5700 K
Luminous flux: max. 1150 lm

- **Reflected beam angle:** 11° or 26°

- **Convenient electrical connection with terminal compartment**
(cable length optional)

- **Straightforward installation using special attachment:**

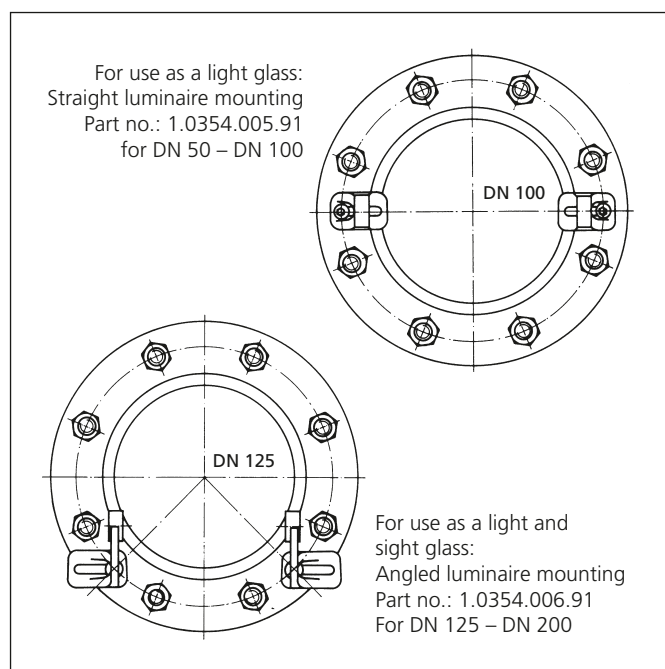
The luminaire is mounted with the lamp attachment on the cover flange in the case of circular sight glass fittings and visual flow indicators. With screw-type sight glass fittings, the luminaire is fastened to the slotted nut.

- **The Lumistar luminaire USL 07-LED fits the following nominal sizes:**

- Circular sight glass fitting similar to DIN 28120: from DN 50
- Circular sight glass fitting similar to DIN 28121: from DN 80
- Visual flow indicator: from DN 50
- Screw-type sight glass fitting similar DIN 11851:
 - DN 100, DN 125 are mounted using the separate flange adapter
 - DN 150 and larger are mounted by way of the lamp attachment

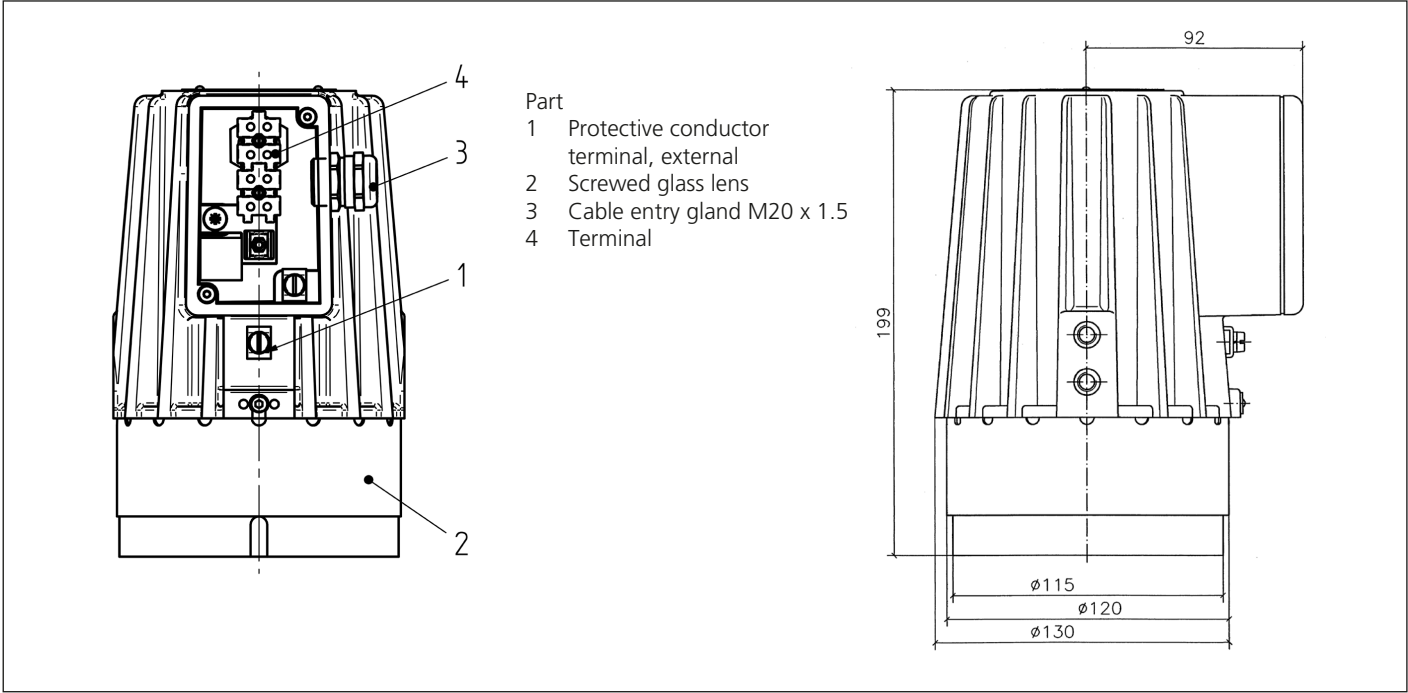


Lumistar luminaire USL 07-LED with terminal box



Combination options

• Dimensions and electrical data for Lumistar luminaire USL 07-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: G-Al Si 10 Mg (see accessories)

• Weight (incl. terminal box): 3.9 kg

• Connection data:

USL 07-LED Variant	Part no.	Nominal voltage V	Illuminant	Reflected beam angle
(24 V) 14 W	3541.287.00	24 \approx	LED	11°
(120-230 V) 14 W	3541.288.00	120-230 \approx	LED	11°
(24 V) 14 W	3541.293.00	24 \approx	LED	26°
(120-230 V) 14 W	3541.294.00	120-230 \approx	LED	26°

• Order data:

e.g. Lumistar luminaire USL 07-LED, 230 V/14 W, part no. 3541.288.00; with luminaire attachment, part no. 0354.005.00

• Accessories:

No.	Part	Part no.
1	hinged bracket for mounting luminaire, straight, DN 50 to 100	0354.005.00
2	hinged bracket for mounting luminaire, straight, DN 125 to 200	0354.006.00
3	special spanner for screwed glass lens for opening the luminaire	6805.002.00