

Lumistar Luminaire ASL 57-LED

- **For mounting on sight glass fittings**

This sight glass luminaire is designed for universal applications and is ideal for use in combined sight and light ports (single-flange version) or with two separate ports (2-flange version).

- **The specific advantages of Lumiglas LED technology:**

- vibration-resistant
- long service life and operational reliability
- LED functions up to about 50,000 hours in continuous operations
- optimal for fittings that are difficult to access
- no heat radiation in the light aperture (cold light)
- no unwanted additional heat in chemical and/or biological processes
- extremely high-contrast illumination

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

Glare-free illumination; fits circular sight glass fittings similar to DIN 28120/DIN 28121, for screw-type sight glass fittings similar to DIN 11851 and for sight glass fittings on flow indicators.

- **Application:**

For illuminating visual flow indicators, pipelines, laboratory mixers, bio-reactors as well as the interior of tanks, hoppers, silos, agitators and other, normally closed, vessels and reactors in non-explosive environments.

- **Protection class:** IP 65/IP 67

- **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!

- **Lumistar luminaires of this type are approved for use in ambient temperatures of between -20°C and +40°C.**

- **ElectricalData:**

Operating voltage/power:
24 V AC/DC – 35 W; 120-230 V AC – 35 W,
equipped with one high-power LED
Colour temperature: 5000 K
Luminous flux: 1840 lm

- **Beamangle:** 35°

- **Fasteningoptions:**

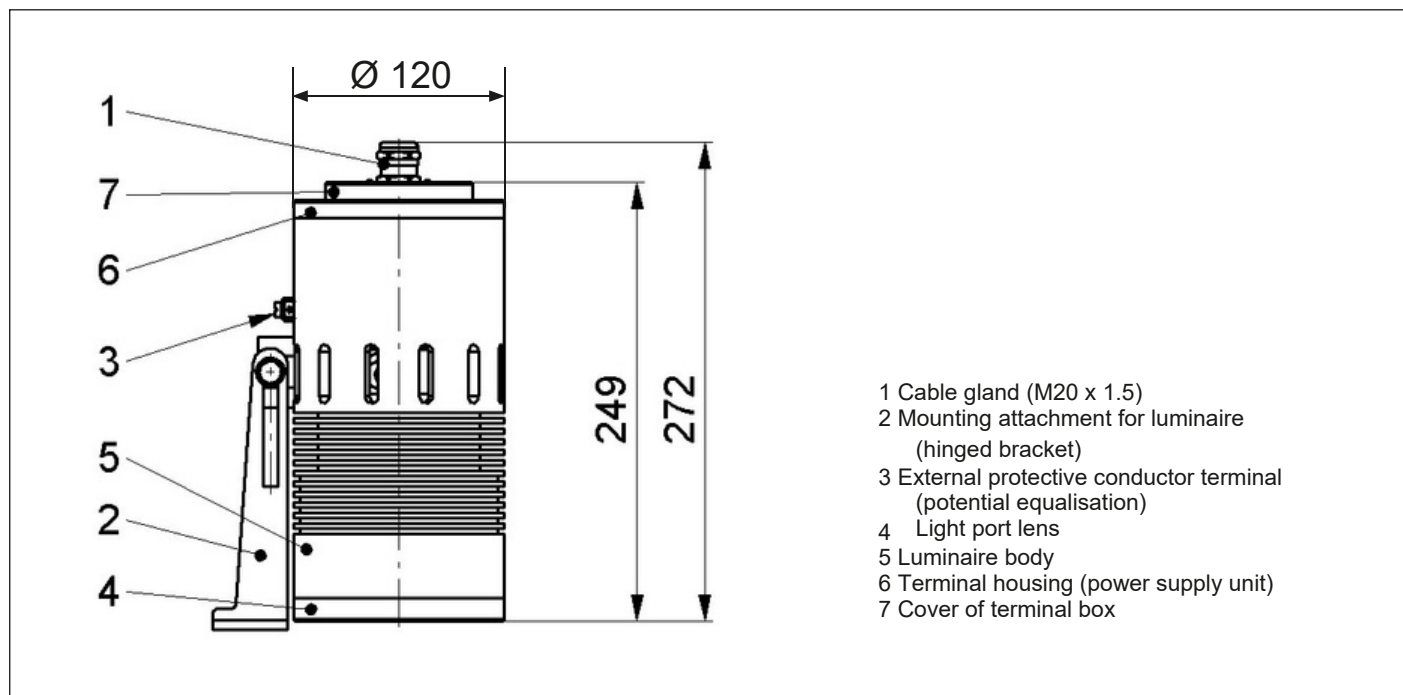
Luminaires for sight glasses on circular fittings and visual flow indicators are mounted on the mating flange using the hinged bracket. With the screw-type sight glass fitting similar to DIN 11851, the luminaire is fastened with a flange collar or direct on the slotted nut.



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• **Dimensions and electrical data for Lumistar luminaire ASL 57-LED:**



• **Components, design and materials:**

- Luminaire body (5) and cover of terminal box (7): aluminium alloy EN AW-2007, paint finish RAL 9007
- Light port lens (4): Unit consisting of ring flange (aluminium alloy EN AW-2007, paint finish RAL 9007) and borosilicate glass
- Hinged mounting bracket (2): stainless steel 1.4301 (see accessories)
- Cable gland (1): M20x1.5

• **Weight:** 4.5 kg

• **Connecting data:**

Item	ASL 57-LED	Part No.	Nominal voltage	Illuminant
1	(24 V) 35 W	3541.492.00	24 AC	1 high-power LED
2	(120-230 V) 35 W	3541.491.00	120-230 AC/DC	1 high-power LED

• **Accessories:**

Item	Component	Part No.
1	Luminaire mounting – hinged bracket	0354.029.00
2	Luminaire mounting – weld-on flange for DIN slotted nut	MV 65 = 1356.063.00; MV 80 = 1356.062.00; MV 100 and MV 125 = 1356.023.00 MV 125 = 1356.021.00; MV 150 = 1356.059.00
3	Luminaire mounting – flanged adapter for putting under	

• **Order data:**

e.g. Lumistar luminaire ASL 57-LED, 24 V AC – 35 W, part no. 3541.492.00, luminaire mounting, hinged bracket, part no. 0354.029.00

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