

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 interiors 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:**

- a) Circular sight glass fitting similar to DIN 28120: from DN 25
- b) Circular sight glass fitting similar to DIN 28121: from DN 40
- c) Visual flow indicator: from DN 25
- d) 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°

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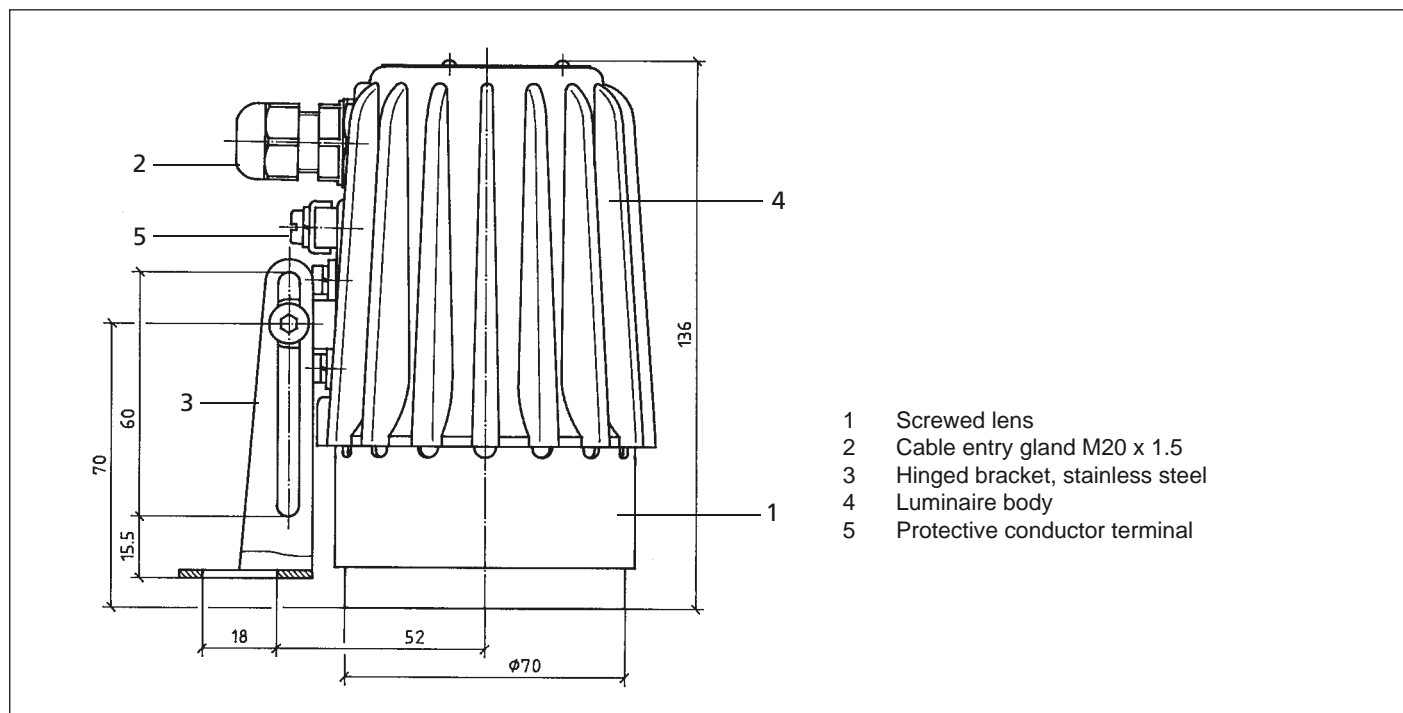
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PAPENMEIER

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



- 1 Screwed lens
- 2 Cable entry gland M20 x 1.5
- 3 Hinged bracket, stainless steel
- 4 Luminaire body
- 5 Protective conductor terminal

• **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