

Lumistar Luminaire ESL 25LED

- **For mounting on sight glass fittings**

Designed for universal applications. It is ideal for combined sight glass and light assemblies, either as a single-flange version or with two separate flanged ports.

- **Compact yet powerful:**

Dazzle-free illumination, for use with circular sight glass fittings to DIN 28120/DIN 28121 or similar, with screwed sight glass units in compliance with DIN 11851, and in visual flow indicators.

- **Large light aperture thanks to optimised screw-in lens design**

- **Application:**

For illuminating visual flow indicators, pipelines, laboratory mixers, bioreactors as well as the interior of pressure vessels, tanks, agitators and other – normally closed – processing vessels.

- **Especially suitable for use in sterile and food areas**

- **Protection class:**

- IP 65 and IP 67 according to DIN EN 60529
- IP 66 as a special version on request

- **Operating conditions:**

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

- **Attention:**

Do not look into light – danger of impaired eyesight!

- **Lumistar luminaires of this type are approved for use in ambient temperatures up to 50°C.**

- **Voltage:**

Alternating/direct current, depending on luminaire type

- **Operating voltage:**

24 V AC/DC – 7.5 W

110-230 V AC – 7.5 W

Colour temperature: 6500 K, other light colours (CCT) on request

Luminous flux: 360-430 lm (depending on beam angle)

- **Beam angle:**

12°; 25°; 38°

- **Straightforward electrical connection via integrated cable entry gland**

- **Mounting options:**

With circular sight glass fittings and flow indicators the luminaire is secured to the mating flange by means of the hinged bracket.

With screw-type sight glass units the luminaire is mounted on the slotted cover nut.



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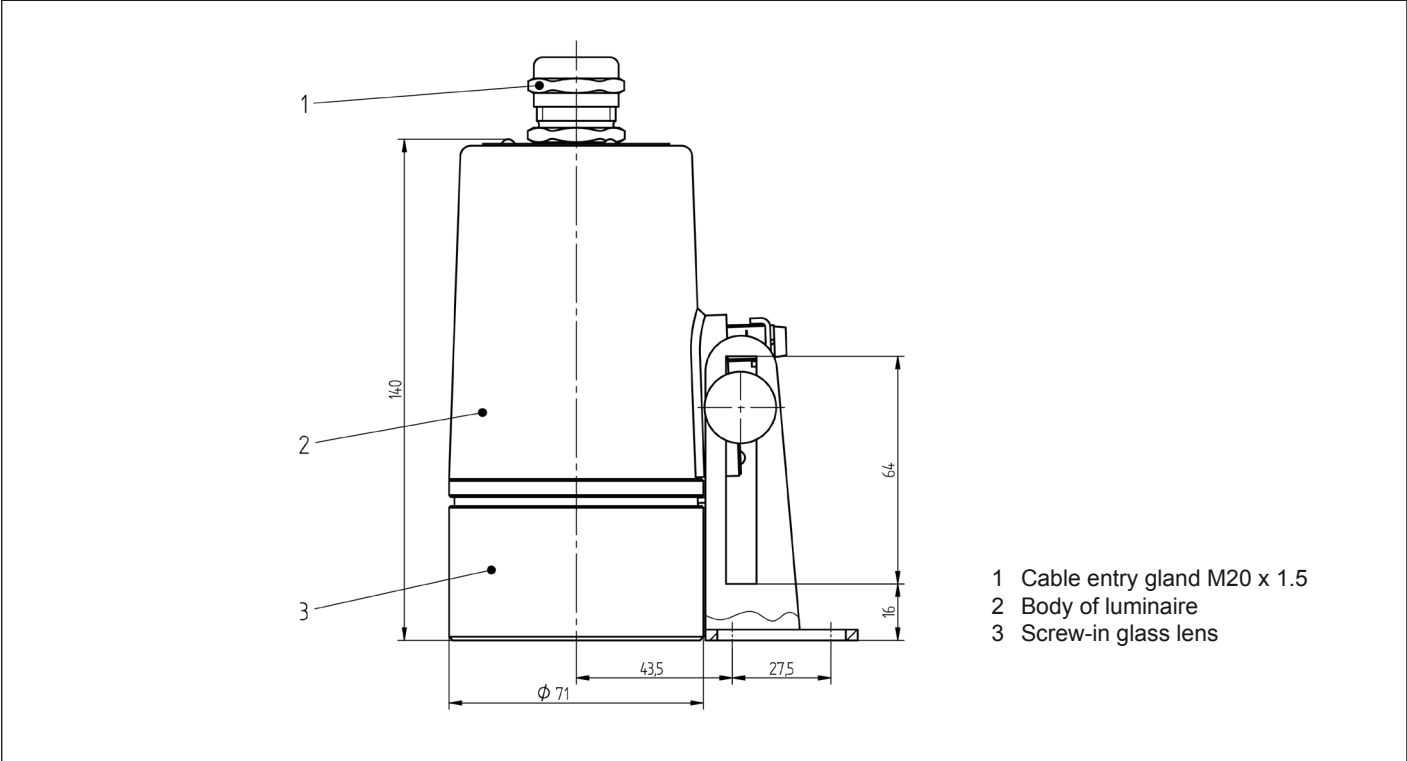
Lumistar luminaire ESL 25LED

- **The Lumistar luminaire ESL 25LED fits the following nominal sizes:**

- a) Circular sight glass fittings to DIN 28120: DN 25
- b) Circular sight glass fittings to DIN 28121: DN 40
- c) Flow indicators: from DN 50
- d) Screwed sight glass fittings similar to DIN 11851:
 - with DN 65, mounting is by way of separate flange adapter collar
 - from DN 80 up, the hinged bracket is possible

- **For sterile applications, a version of this Lumistar luminaire is available with a sleeve that fits over a raised lip on the mating flange.**

• **Dimensions and electrical data for Lumistar luminaire ESL 25LED:**



• **Components and materials:**

- Body of luminaire: Stainless steel 1.4404, polished
- Fastening components: Stainless steel 1.4301 (see 'Accessories')
- Cable entry gland: M20 x 1.5
- Weight: 1.8 kg

• **Connecting data:**

Item	ESL 25LED	Standard variants part no.	IP66 variants part no.	Ambient temperature range
1	24 V AC/DC – 7.5 W	3542.001.00	3542.003.00	$-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$
2	110-230 V AC – 7.5 W	3542.002.00	3542.004.00	$-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$

• **Accessories:**

Item	Component	Part no.
1	Hinged bracket mounting for luminaire	0354.019.00
2	Flanged adapter collar mounting: MV 50 – welded on; MV 65 – Ø 80 mm	1356.010.00
3	Flanged adapter collar mounting: MV 80 – Ø 94 mm	1356.029.00
4	Claw spanner for screw-in lens	6816.001.00
5	Timer module, Ex version	on request
6	Connecting cable	on request

• **Order data:**

e.g. Lumistar luminaire ESL 25LED, 24 V – 7.5 W, part no. 3542.001.00