

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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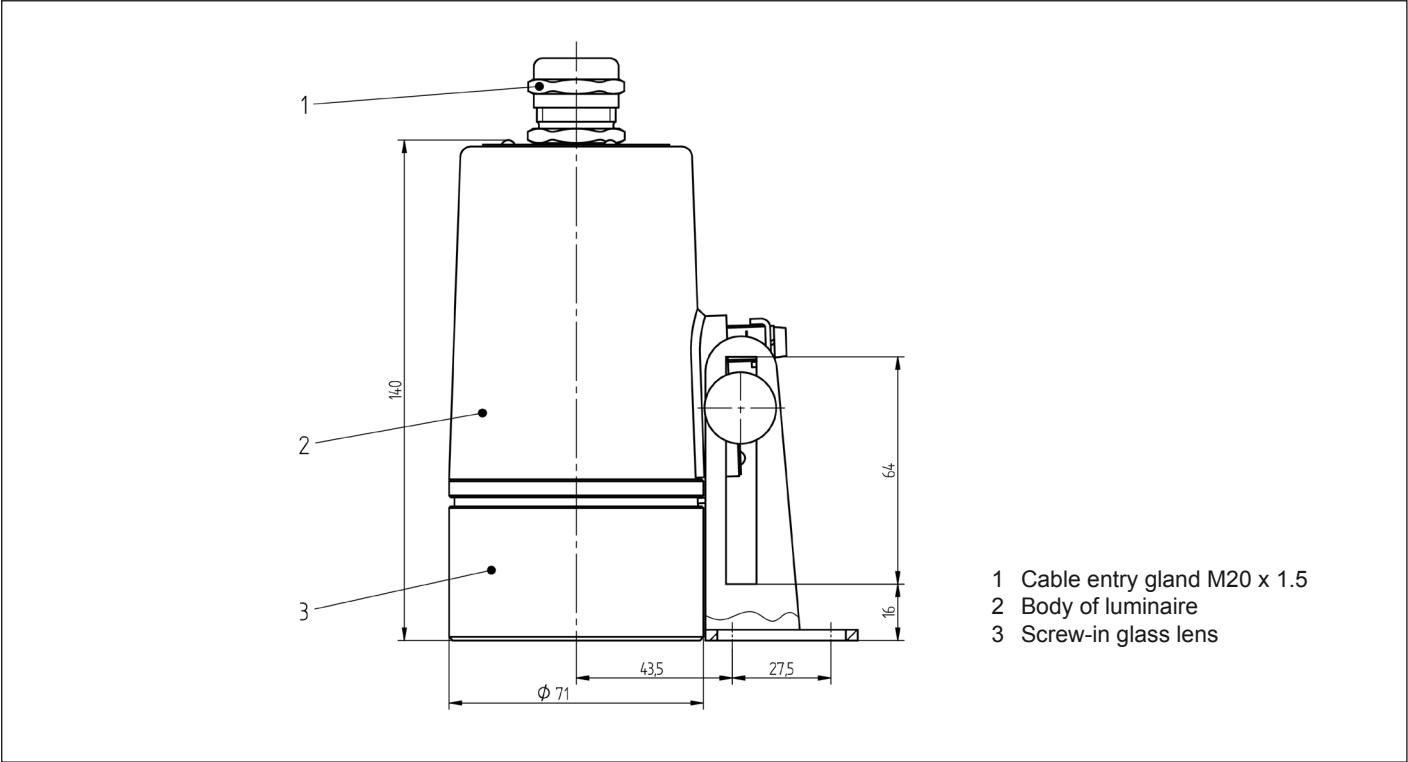
Lumistar luminaire ESL 25LED

• 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°C ≤ T _a ≤ +50°C
2	110-230 V AC – 7.5 W	3542.002.00	3542.004.00	-20°C ≤ T _a ≤ +50°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

All dimensions in mm unless stated otherwise. Picture credits: ©F.H. Papenmeier GmbH & Co. KG. Subject to change without prior notice. 07.21