

## 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.

CE

3755.682



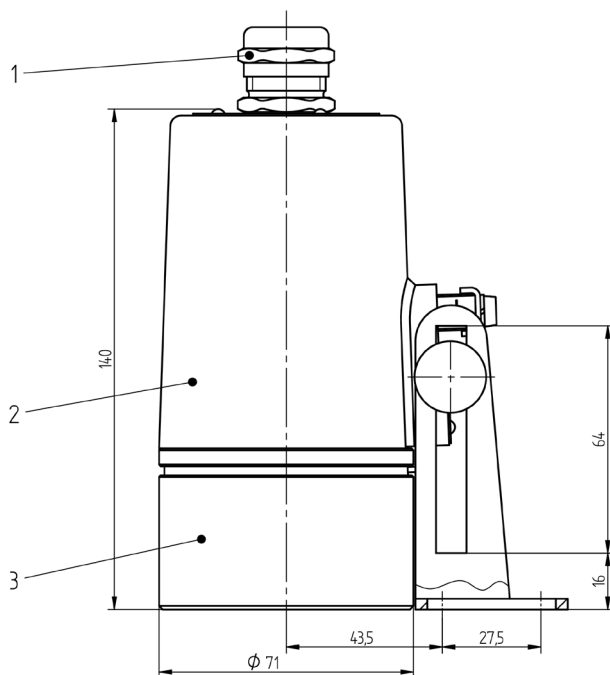
Lumistar luminaire ESL 25LED

- **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:**



- 1 Cable entry gland M20 x 1.5
- 2 Body of luminaire
- 3 Screw-in glass lens

• **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<br>part no. | IP66 variants<br>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