

## Lumistar Luminaire ESL 25, Stainless Steel

- **For mounting on sight glass fittings:**  
This sight glass luminaire is designed for universal applications. It is ideal for use in combined sight and light arrangements (single-flange version) or with two separate ports (2-flange version).
  - **Compact design; powerful light output:**  
Glare-free illumination; suitable for circular sight glass fittings to DIN 28120/DIN 28121 or similar, screw-type sight glass fittings in compliance with DIN 11851, and for visual flow indicators.
  - **Generous light aperture and convenient lamp replacement thanks to optimally designed screwed lens closure.**
  - **Application:**  
For illuminating the interior of tanks, hoppers, silos, agitators and other, usually closed, vessels and reactors as well as visual flow indicators in **non-explosive environments**. Suitable for use in food processing industries. **Particularly suited for applications in sterile environments.**
  - **Protection class:** dust- and splash-proof, IP 65 acc. to EN 60 529 / DIN VDE 0470, Part 1
  - **Operating conditions:**  
Independent of the internal pressure/vacuum in the vessel. On no account should a sight glass luminaire be used on its own to close a vessel port or as a replacement for the mating flange or instead of the complete sight glass flange assembly.
  - **Maximum admissible ambient temperature at the cable entry gland:** 80°C  
When used in ambient temperatures exceeding 40°C, temperature-resistant cable such as Sinotherm 110 H05GG-F 3G 1.5 mm<sup>2</sup> should be used.
  - **Very easy to install using special mountings, ensuring convenience of use:**  
The luminaire is attached to the mating flange of the sight glass fitting or the visual flow indicator by means of a hinged bracket, or fastened to the grooved nut on screw-type sight glass fittings.
- The Lumistar luminaire ESL 25 fits the following sizes:**
- Circular sight glass fitting acc. to DIN 28120: from DN 25
  - Circular sight glass fitting acc. to DIN 28121: from DN 40
  - Visual flow indicators: from DN 25
  - Screw-type sight glass fittings in compliance with DIN 11851:
    - DN 65, DN 80 are mounted using a separate flanged adapter
    - sizes DN 80 and up are secured by way of a hinged bracket
- **Voltage type:** AC/DC, depending on luminaire type

- **Operating voltage:**

- without integrated transformer:**

12 V	Halogen lamp	5 W, 10 W, 20 W, 35 W, 50 W
24 V	Halogen lamp	20 W, 50 W
120 V	Halogen lamp	20 W, 50 W

- with integrated transformer:**

PTC-protected (5 W), otherwise thermal fuse (> 5 W)

120 V	Halogen lamp	12 V/5 W, 10 W
230 V	Halogen lamp	12 V/5 W, 10 W

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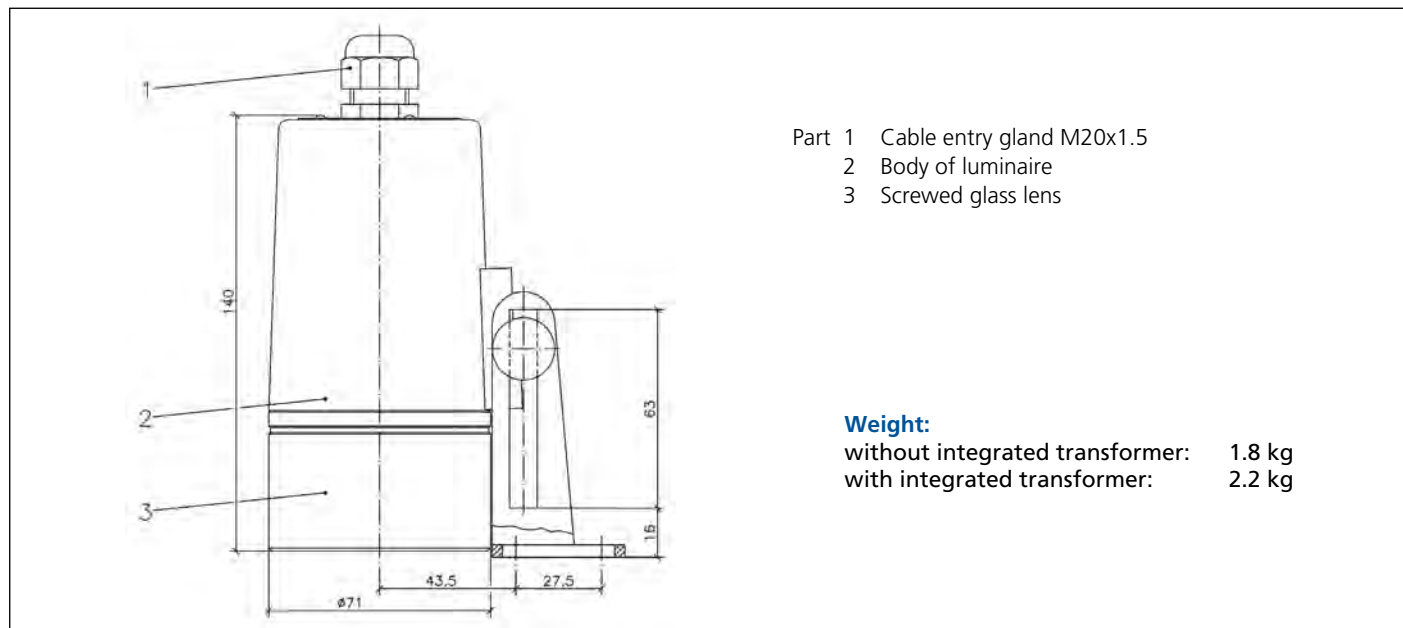
Lumistar luminaire ESL 25, stainless steel



Application as a light port on a sight glass fitting acc. to DIN 28120, mounted using a hinged bracket

- **When intended for applications in sterile environments,** this luminaire is available with an additional collar that fits over a special adapter lip on the mating flange.
- **Transformers:**  
Transformers for 12 V or 24 V secondary voltage can be supplied on request.

## • Dimensions and electrical data for Lumistar luminaire ESL 25, stainless steel



- Part 1 Cable entry gland M20x1.5  
 2 Body of luminaire  
 3 Screwed glass lens

### Weight:

without integrated transformer: 1.8 kg  
 with integrated transformer: 2.2 kg

## • Components and materials:

- Body of luminaire: Stainless steel 1.4404, polished
- Mounting parts: Stainless steel 1.4301 (see accessories)
- Cable entry gland M20x1.5

## • Connecting data:

Lumistar luminaire ESL 25, stainless steel					Replacement halogen lamp		
No	ESL 25	Part no.	Nominal voltage V	Int. transformer	Voltage/wattage	Socket	Part no.
1	(12 V) 5 W	3540.952.00	12 ≈	without	12 V/5 W	G4	3232.221.00
2	(120 V/12 V) 5 W	3540.954.00	120 ~	with	12 V/5 W	G4	3232.221.00
3	(230 V/12 V) 5 W	3540.956.00	230 ~	with	12 V/5 W	G4	3232.221.00
4	(12 V) 10 W	3540.957.00	12 ≈	without	12 V/10 W	G4	3232.224.00
5	(120 V/12 V) 10 W	3540.958.00	120 ~	with	12 V/10 W	G4	3232.224.00
6	(230 V/12 V) 10 W	3540.960.00	230 ~	with	12 V/10 W	G4	3232.224.00
7	(12 V) 20 W	3540.962.00	12 ≈	without	12 V/20 W	GU4	3232.258.00
8	(12 V) 20 W	3540.964.00	12 ≈	without	12 V/20 W	G4	3232.229.00
9*	(24 V) 20 W	3540.966.00	24 ≈	without	refl. 24 V/20 W	G4	3232.222.00
10	(24 V) 20 W	3540.963.00	24 ≈	without	24 V/20 W	G4	3232.206.00
11	(120 V) 20 W	3540.968.00	120 ≈	without	120 V/20 W	GY6.35	3232.267.00
12	(12 V) 35 W	3540.970.00	12 ≈	without	12 V/35 W	GY6.35	3232.232.00
13	(12 V) 50 W	3540.972.00	12 ≈	without	12 V/50 W	GY6.35	3232.238.00
14	(24 V) 50 W	3540.973.00	24 ≈	without	24 V/50 W	GY6.35	3232.242.00
15	(120 V) 50 W	3540.974.00	120 ≈	without	120 V/50 W	GY6.35	3232.265.00

\* replaced by No. 10

## • Accessories:

Item	Component	Part no.
1	hinged bracket for mounting luminaire, stainless steel	0354.019.00
2	flange adapter for mounting luminaire, stainless steel	1356.010.00
3	timer (external) for time-dependent illumination, Lumiglas timer push-button	on request
4	claw spanner for screw-in lens, for opening the luminaire	6816.001.00

• Order data: e. g. Lumistar luminaire ESL 25, 12 V/20 W, part no. 3540.964.00, with hinged bracket part no. 0354.019.00

All dimensions in mm unless stated otherwise. Subject to change without prior notice. 03.14