

Lumistar Luminaire ESL 51LED

ESL 51LEDHK: with bracket for SW I (wiper unit)
 ESL 51LEDKS: with hinged bracket for general use
 ESL 51LEDB: special sterile version for flange attachment for fitting over flanges, collars, etc.

- **Ideal combination of flush design and smooth surface:**
 This sight glass luminaire is designed for mounting on sight glass fittings in universal applications. It is practical either in combined sight and light ports (single-flange version) or with separate ports (two-flange version). Integrated fastening clamp enables attachment to Lumiglas wiper unit SW I.

- **Compact design, powerful light output:**
 Glare-free illumination; fits circular sight glass fittings similar to DIN 28120 / DIN 28121 as well as screwed sight glass fittings similar to DIN 11851.

- **Applications in the chemical, pharmaceutical, biogas and food processing industries:**
 For illuminating the interior of vessels, tanks, agitators, silos and other generally closed containers and reactors and also in visual flow indicators.

- **Protection class:**
 Dust-tight and water jet-proof, IP 65 acc. to DIN EN 60529 / 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 cover 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, it is fastened to the groove nut.

- **Lumistar ESL 51-LED luminaires fit the following nominal sizes:**
 - a) Circular sight glass fittings similar to DIN 28120: from DN 25
 - b) Circular sight glass fittings similar to DIN 28121: from DN 40
 - c) Visual flow indicators: from DN 25
 - d) Screw-type sight glass fittings similar to DIN 11851: from DN 40

- **Operating voltage:**
 24VAC/DC – 2.5 W
 Colour temperature: 5000 K
 Luminous flux: 180 lm

- **Reflected beam angle:** 26°

- **Transformers or AC/DC converters** for on-site installation or for installing in a control cabinet are available on request.
 (AC/DC converter: 230 V AC - 24 V DC)



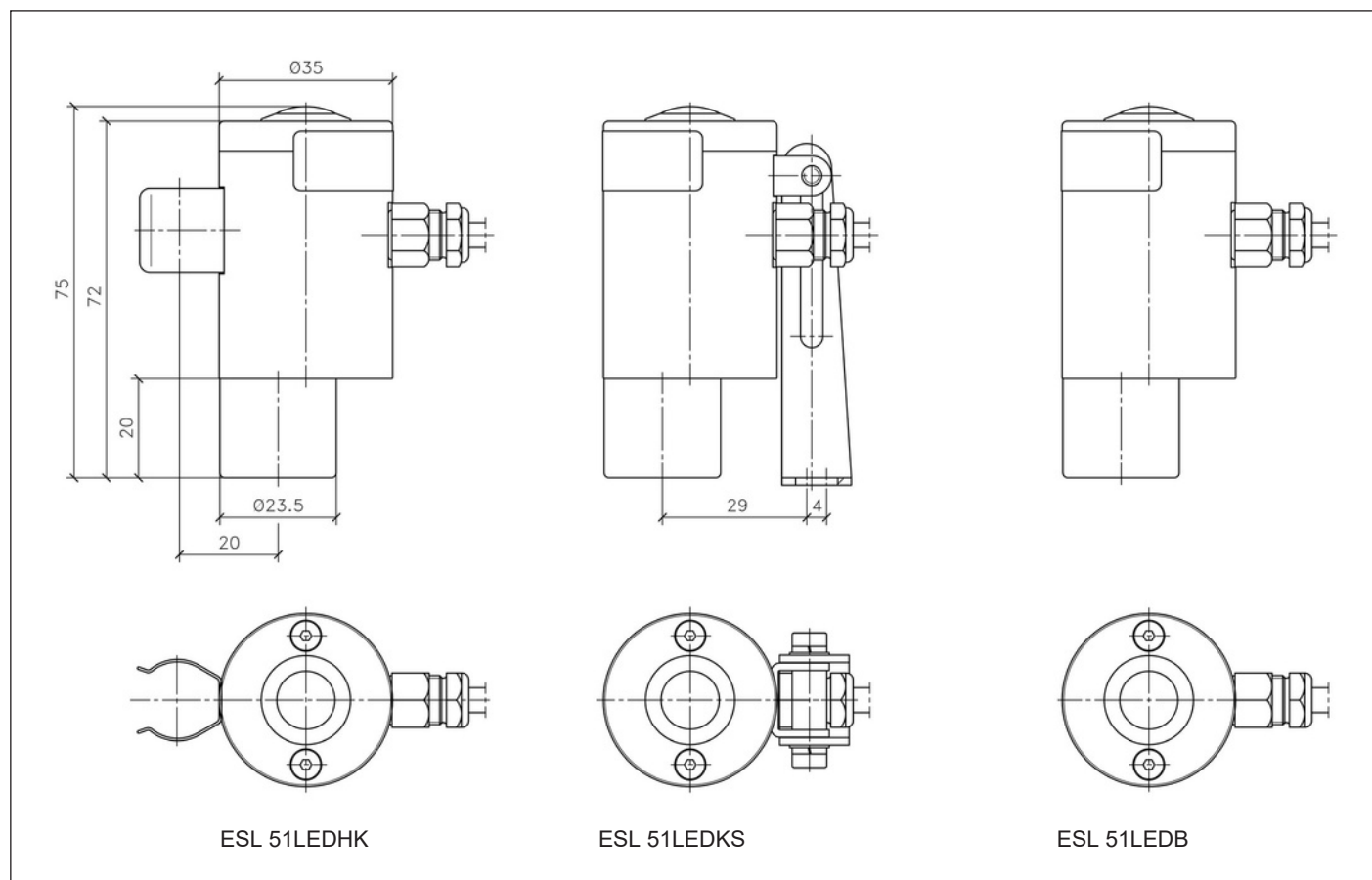
Lumistar luminaire ESL 51LEDHK installed on a screwed sight glass fitting equipped with Lumiglas wiper unit SW I



Lumistar luminaire ESL 51LEDKS adapted to a standard flange

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• **Dimensions of Lumistar ESL 51-LED luminaires:**



• **Description and materials:**

- Body and head of luminaire: Stainless steel 1.4404
- Fastening elements: Stainless steel

- Connecting cable: 3 m (3 x 0.5 mm²) factory-fitted, other lengths on request
- Weight: 0.3 kg

• **Connecting data:**

Lumistar ESL 51LED luminaires					
Item	Type	Voltage/wattage	Pushbutton	Fastening element	Part No.
2	ESL 51LEDHK	24 V AC/DC - 2.5 W	without	Clamp attachment	3541.303.00
3	ESL 51LEDHK	24 V AC/DC - 2.5 W	with	Clamp attachment	3541.306.00
4	ESL 51LEDKS	24 V AC/DC - 2.5 W	without	Hinged bracket	3541.304.00
5	ESL 51LEDKS	24 V AC/DC - 2.5 W	with	Hinged bracket	3541.307.00
6	ESL 51LEDB	24 V AC/DC - 2.5 W	without	Flange adapter	3541.305.00
	ESL 51LEDB	24 V AC/DC - 2.5 W	with	Flange adapter	3541.308.00

• **Order data:** e.g.

Lumistar luminaire ESL 51LEDHK, with pushbutton, clamp fastening element, part no. 3541.306.00

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