

# **Lumistar Luminaire ESL 51-LED**

ESL 51-LED-HK: with bracket for SW I (wiper unit) ESL 51-LED-KS: with hinged bracket for general use

ESL 51-LED-B: 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 in non-explosive environments.

#### • Protection class:

Dust-tight and water jet-proof, IP 65 acc. to EN 60 529 / 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 at the cable gland: 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:

24 V AC/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.

(Transformer: 230 V AC - 24 V AC) (AC/DC converter: 230 V AC - 24 V DC) CE

3755.361 c



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

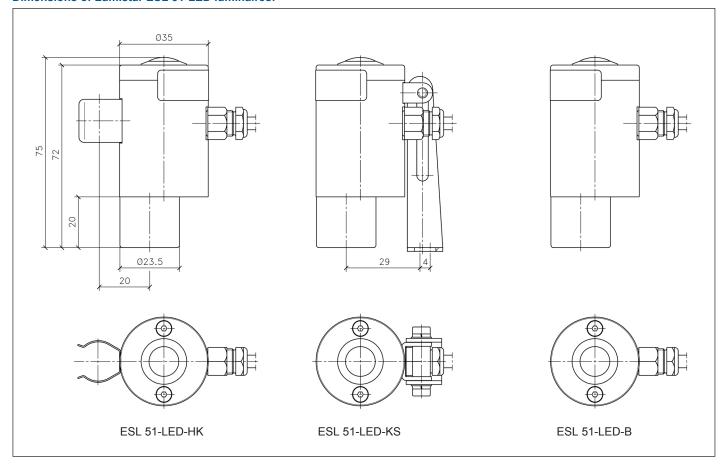


Lumistar luminaire ESL 51-LED-KS adapted to a standard flange





# • 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 mm $^{2}$ ) factory-fitted, other lengths on request
- Weight: 0.3 kg

# Connecting data:

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

# • Order data: e.g.

Lumistar luminaire ESL 51-LED-HK, with pushbutton, clamp fastening element, part no. 3541.306.00

All dimensions in mm unless stated otherwise. Picture credits: ©F.H. Papenmeier GmbH & Co. KG. Subject to change without prior notice. 07.22



