

Lumistar Luminaire ESL 53-LED

ESL 53-LED-KS: for general use with hinged bracket ESL 53-LED-B: special sterile version for flange attachment for fitting over flanges, collars, etc.

· For mounting on sight glass fittings:

This sight glass luminaire is designed for universal applications and is ideal either in combined sight and light ports (single-flange version) or with separate ports (two-flange version).

• Compact design, powerful light output:

Glare-free illumination; fits circular sight glass fittings similar to DIN 28120/DIN 28121, screw-type sight glass fittings similar to DIN 11851, as well as METAGLAS® and BioControl fittings.

· Applications in the chemicals, 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 according 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: 40°C

· Straightforward installation using a special attachment, ensuring convenience of use:

The luminaire is fixed to the cover flange by a hinged bracket in the case of circular sight glass fittings and visual flow indicators. With screw-type sight glass fittings, the luminaire can be fastened with a flange adapter or with a Metaglas unit.

· Lumistar luminaires ESL 53-LED fit the following nominal sizes:

- a) Circular sight glass fitting similar to DIN 28120: from DN 25
- b) Circular sight glass fitting similar to DIN 28121: from DN 40
- c) Visual flow indicator: from DN 25
- d) Screw-type sight glass fitting similar to DIN 11851: from DN 50

• Mounting elements:

- for ESL 53-LED-KS: The hinged bracket is included in the scope of supply
- for ESL 53-LED-B: The flanged adapter for mounting on a screw-type sight glass fitting needs to be ordered separately

Operating voltage:

24 V AC/DC - 7 W Colour temperature: 6500 K

Luminous flux: 500 lm

• Reflected beam angle: 18° or 25°

• Transformers or power supplies for 230 V AC / 24 V AC are available on request

CE

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Lumistar luminaire ESL 53-LED-KS with hinged bracket



Lumistar luminaire ESL 53-LED-B mounting on a screw-type sight glass fitting according to DIN 11851 or similar

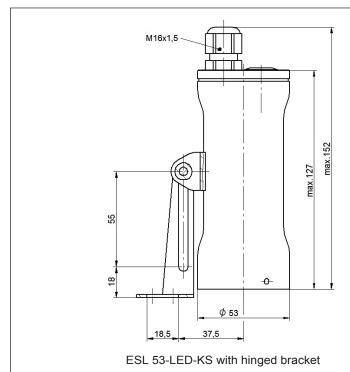
• Operation:

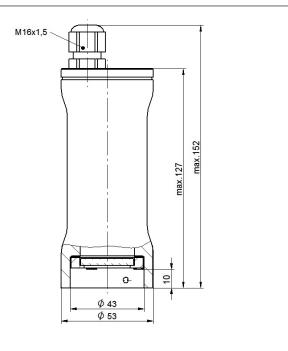
This luminaire is designed for continuous operations. As an alternative, however, it can also be supplied with a switch or pushbutton (see chart).





• Dimensions and electrical data for Lumistar luminaires ESL 53-LED:





ESL 53-LED-B for flange attachment

• Description and materials:

- Luminaire body: stainless steel 1.4404
- Hinged bracket and flange adapter for fastening the luminaire to screw-type sight glass fitting DN 50/65: stainless steel 1.4301
- Connecting cable: 3 m (3 x 0.75 mm²) factory-fitted (other lengths on request)
- Weight: 1.1 kg including hinged bracket and cable

Connecting data:

Item	Type	Push button	Switch	Hinged bracket	Flange attachment	Part no.
1	ESL 53-LED-KS	with	without	with	without	3541.901.00
2	ESL 53-LED-KS	without	without	with	without	3541.902.00
3	ESL 53-LED-B	with	without	without	with	3541.903.00
4	ESL 53-LED-B	without	without	without	with	3541.904.00
5	ESL 53-LED-KS	without	with	with	without	3541.905.00
6	ESL 53-LED-B	without	with	without	with	3541.906.00

Accessories (for ESL 53-LED-B only)

Item	Luminaire mounting without field of view	Part no.
1	Flange adapter DN 50, stainless steel (hinged bracket not required / DIN slotted nut)	1356.027.00
2	Flange adapter DN 65, stainless steel (hinged bracket not required / slotted nut opening: 65 mm)	1356.030.00
3	Flange adapter DN 80, stainless steel (hinged bracket not required / DIN slotted nut)	1356.031.00
	Luminaire mounting with field of view for MV	
4	for nominal diameter DN 80 (slotted nut opening: 94 mm)	0354.035.00
5	for nominal diameter DN 100 (slotted nut opening: 115 mm)	0354.036.00
6	for nominal diameter DN 125 (slotted nut opening: 138 mm)	0354.037.00

• Order data: e. g. Lumistar luminaire ESL 53-LED-KS, with pushbutton, part no. 3541.901.00

All dimensions in mm unless stated otherwise. Picture credits: ©F.H. Papenmeier GmbH & Co. KG. Subject to change without prior notice. 11.19

