

Lumistar luminaire USL 15LED and USL 35LED

APPLICATION:

For mounting on sight glass fittings. The universally applicable Lumistar USL 15LED sight glass luminaire is suitable for combining sight and light glass (1-flange version) as well as for separate arrangement (2-flange version).

The Lumistar USL 35LED can be used as a light glass variant.

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

It is ideal for illuminating laboratory mixers and filters as well as the interiors of tanks, agitators, separators, pipelines and other, usually closed, vessels in non-explosive operating environments.

OPERATING CONDITIONS:

Independent of the internal pressure/vacuum in the vessel.

Under no circumstances 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.

INSTALLATION:

USL 15LED: The luminaire is attached to the mating flange of the circular

sight glass fitting or the visual flow indicator with a hinged bracket, or fastened to the grooved nut on screw-type sight glass fittings.

USL 35LED: The luminaire is mounted over an adapter collar (e.g. attachment to Metaglas).

NOMINAL SIZES:

- a) Circular sight glass fitting similar to DIN 28120: DN 50
- b) Circular sight glass fitting similar to DIN 28121: DN 80
- c) Screw-type sight glass fittings similar to DIN 11851: DN 50

MOUNTING PARTS FOR USL 15LED:

The luminaire mounting (hinged bracket) is included in the scope of supply. The flange collar for mounting on screw-type sight glass fittings of DN 65 and greater should be ordered separately.



USL 15LED: For universal application with hinged bracket
USL 35LED: Special variant for sterile environments with adapter collar for fitting over flanges etc.

PROTECTION CLASS:

Dust- and waterjet proof,
IP 65 according to EN 60 529/DIN VDE 0470
Part 1

AMBIENT TEMPERATURE: max. 40°C

OPERATING VOLTAGE:

12 V/24 V AC/DC
230 V AC

TECHNICAL LIGHTING DATA:

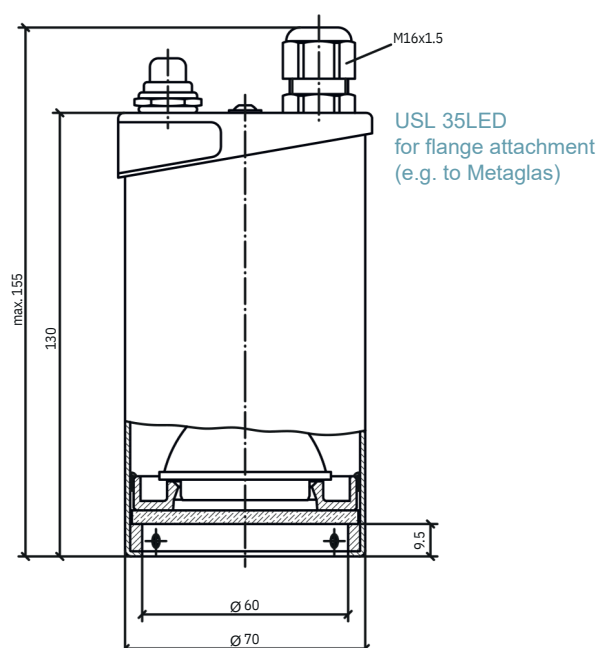
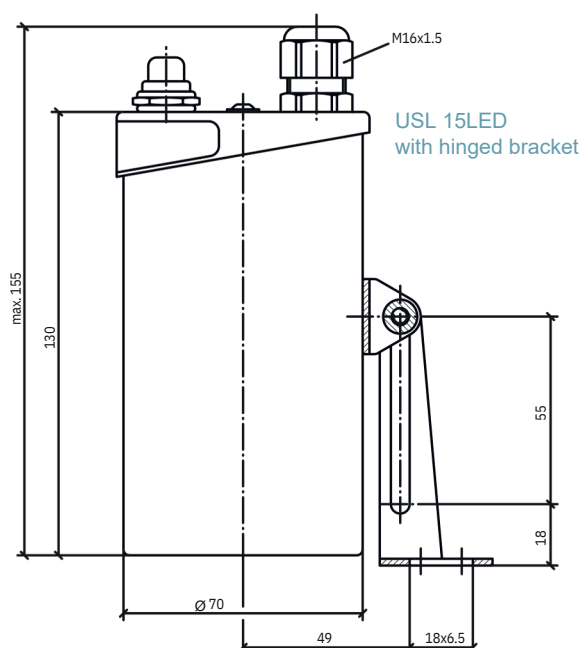
- Light colour:
12 V/24 V AC/DC: 2700K
230 V AC: 4000K
- Luminous flux:
230 lm at 4.5 W
400 lm at 5.5 W

- Beam angle:
36° at 4.5 W
25° at 5.5 W

POWER SUPPLIES:

for 230V/24V AC are available on request

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Type	Nominal voltage	Push button	LED	Timer	Socket	Part no. USL 15LED	Part no. USL 35LED
(12 V) 4 W	12 V	without	12 V 4 W	without	GU5.3	3541.432.00	—
(24 V) 4.5 W	24 V	with	12 V 4 W	with	GU5.3	3541.428.00	—
(24 V) 4.5 W	24 V	with	12 V 4 W	without	GU5.3	3541.429.00	3541.434.00
(24 V) 4.5 W	24 V	without	12 V 4 W	without	GU5.3	3541.430.00	3541.427.00
(230 V) 5.5 W	230 V	with	230 V 5.5 W	without	GZ10	3541.426.00	3541.437.00
(230 V) 5.5 W	230 V	without	230 V 5.5 W	without	GZ10	3541.431.00	3541.438.00
(24 V) 4.5 W	24 V	with switch	12 V 4 W	without	GU5.3	3541.457.00	—
(230 V) 5.5 W	230 V	with switch	230 V 5.5 W	without	GZ10	3541.455.00	—

Other versions available on request.

CONNECTING CABLE:

3m (3 x 0.75 mm) factory-fitted,
other lengths available on request

WEIGHT: 0.85 kg

Materials	
Luminaire body and cover	Stainless steel 1.4404
Fastening parts (hinged bracket and flange collar)	Stainless steel 1.4301

Accessories (only for USL 15LED):	Part no.
Flange collar DN 65 (no hinged bracket), Ø 80 mm	1356.010.00
Flange collar DN 80 (no hinged bracket), Ø 94 mm	1356.029.00

Order specifications (example):
Lumistar luminaire USL 15LED, 24 V, 4.5 W,
with push-button, part no. 3541.429.00

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