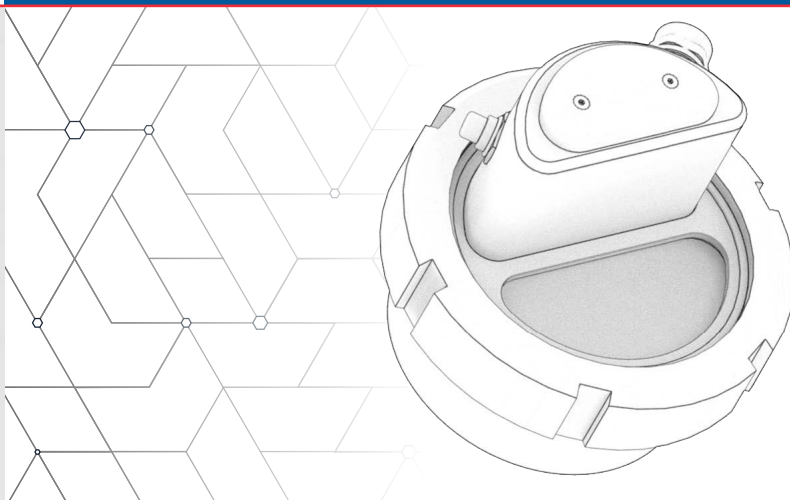




APPLICATION:

Screwed light sight glass units similar to DIN 11851 (dairy pipe fittings) with special version of Lumistar luminaire installed. Units available in stainless steel allowing the combination of sight glass and light port, sizes DN 65 bis DN 125.

For illuminating the interior of vessels, tanks, agitators, silos and other generally closed containers and reactors and in non-explosive environments especially in the pharmaceutical, food and beverage processing industries, e. g. breweries and dairies.

PROTECTION:

IP 65 to EN 60 529/DIN VDE 0470 Part 1

AMBIENT TEMPERATURE:

max. 40°C for the luminaire

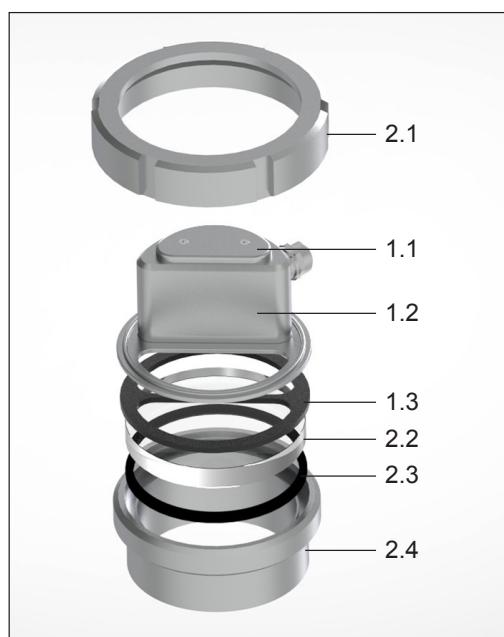
OPERATING CONDITIONS:

Pressure; max. 6 bar, vakuum

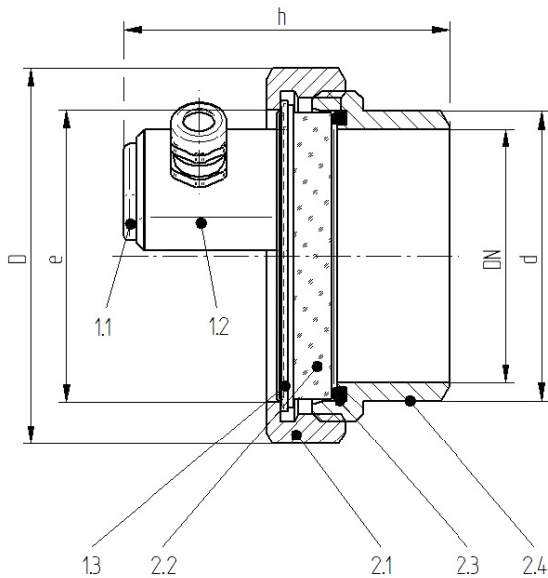
NOTE:

The MV / ME-LED is factory fitted with a 3 m temperature-resistant connecting cable. Other cable lengths are available on request.

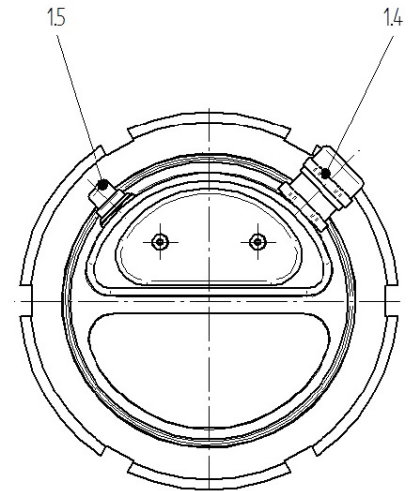
Type	Voltage	Wattage	Beam angle	Luminous flux	Color temp.
MV / ME 65-LED	12-24 V DC	1.5 W	26° / 33°	110 lm	5000 K
MV / ME 80-LED	12-24 V DC	1.5 W	26° / 33°	110 lm	5000 K
MV / ME 100-LED	24 V AC/DC	2.0 W	26° / 33°	170 lm	5000 K
MV / ME 125-LED	24 V AC/DC	2.0 W	26° / 33°	170 lm	5000 K



Materials	
Cover nut acc. to DIN 11851 (2.1)	Stainless steel 1.4301
Luminaire cover (1.1)	Stainless steel 1.4301, polished
Luminaire housing (1.2)	Stainless steel 1.4301, polished
Flat gasket with bridge (1.3) (already bonded to the luminaire housing)	Silicone (max. 220°C)
Sight glass disc (2.2)	Soda-lime-glass: thermally toughened similar to DIN 8902 (max. 150°C) Borosilicate glass: thermally toughened similar to DIN 7080 (max. 280°C)
Seal ring G (2.3)	Viton, PTFE, Perbunan, Silicone, EPDM
Weld neck nozzle (2.4)	Stainless steel 1.4307, 1.4404



- 1.1 Cover
- 1.2 Luminaire housing
- 1.3 Flat gasket with rib
- 1.4 Cable gland M12x1.5
- 1.5 Push button with separate sealing cap
- 2.1 Cover nut
- 2.2 Sight glass disc
- 2.3 Seal ring G
- 2.4 Weld neck nozzle



	MV / ME 65-LED	MV / ME 80-LED	MV / ME 100-LED	MV / ME 125-LED
DN	65	80	100	125
Operating voltage	12-24 V DC	12-24 V DC	24 V AC/DC	24 V AC/DC
Nominal power	1.5 W	1.5 W	2.0 W	2.0 W
Dimensions				
D	112 mm	127 mm	148 mm	178 mm
d	79 mm	93 mm	114 mm	136 mm
e	79.5 mm	93.5 mm	114.5 mm	137.5 mm
h	100 mm	104 mm	129 mm	119 mm
d8 Cover nut opening acc. to DIN 11851	80 mm	94 mm	115 mm	138 mm

NOTES:

The cover (1.1) is already screwed to the luminaire housing (1.2).

The Lumiglas MV / ME 125-LED version can be combined with the Lumiglas wiper SW 1.

For temporary use, the Lumistar luminaire can be supplied with a switch.

Electronic power supplies (230/24 V) are available on request.

INSTALLATION:

The Lumistar luminaire (1.2) and the flat gasket with bridge (1.3) are bonded together at the factory and come as a unit.

After welding the neck (2.4) into the vessel wall, fit seal ring G (2.3), sight glass disc (2.2) and luminaire (1.2) are placed in the sequence as shown in the drawing overleaf.

All these parts are then firmly screwed onto the weld neck (2.4) using the cover nut (2.1) with the special claw spanner.

Finally check if the sight glass disc sits correctly in the fitting.

Order specifications (example):

Lumiglas screwed light sight glass unit MV / ME 65-LED,
12-24 V DC; 1.5 W; 26°

Please select the materials for items 2.2, 2.3 and 2.4 according to the table on page 1.