

Lumistar Luminaire USL 07

- **For mounting on sight glass fittings:**
This sight glass luminaire is designed for universal applications. It is ideal for use in combined sight and light glass arrangements, either as a single flange version or with two separate flanged ports.
- **Compact design, powerful light output:**
Glare-free illumination; intended for use with circular sight glass fittings to DIN 28120 / DIN 28121 or similar, with screw-type sight glass fittings in compliance with DIN 11851, and in visual flow indicators.
Nominal sizes according to the fitting: from DN 50 up.
- **Optimally designed screw-in lens ensures maximum light efficiency.**
- **Application:**
For illuminating the interior of tanks, hoppers, silos, agitators and other – usually closed – vessels as well as visual flow indicators in **potentially non-explosive environments**. Suitable for use in food processing operations.
- **Protection:** dust-proof and splash water-protected, IP 65 acc. to DIN EN 60 529 / DIN VDE 0470, Part 1
- **Operating conditions:**
Independent of internal pressure/vacuum in the vessel;
max. permissible ambient temperature at cable entry gland 80°C. When being installed in ambient temperatures > 40°C, heat-resistant 1.5 mm² cable such as e. g. Sinotherm 110 H05GG-F 3G should be utilised.
On no account should a sight glass luminaire be used on its own to close a vessel port or as a substitute for the cover flange or the sight glass/flange assembly.
- **Electrical data and equipment:**
 - Voltage type: Alternating/direct current, depending on lamp
 - Operating voltage:

without integrated transformer:	
24 V...	Halogen lamp 50 W, 100 W DC/AC
230 V...	Halogen lamp 50 W, 75 W, 100 W DC/AC
with integrated transformer:	
120 V...	Halogen lamp 12 V/50 W AC
230 V...	Halogen lamp 12 V/50 W AC
- **Lamp socket:** see separate chart
- **Transformers:**
Transformers for 24 V secondary voltage can be supplied on request.

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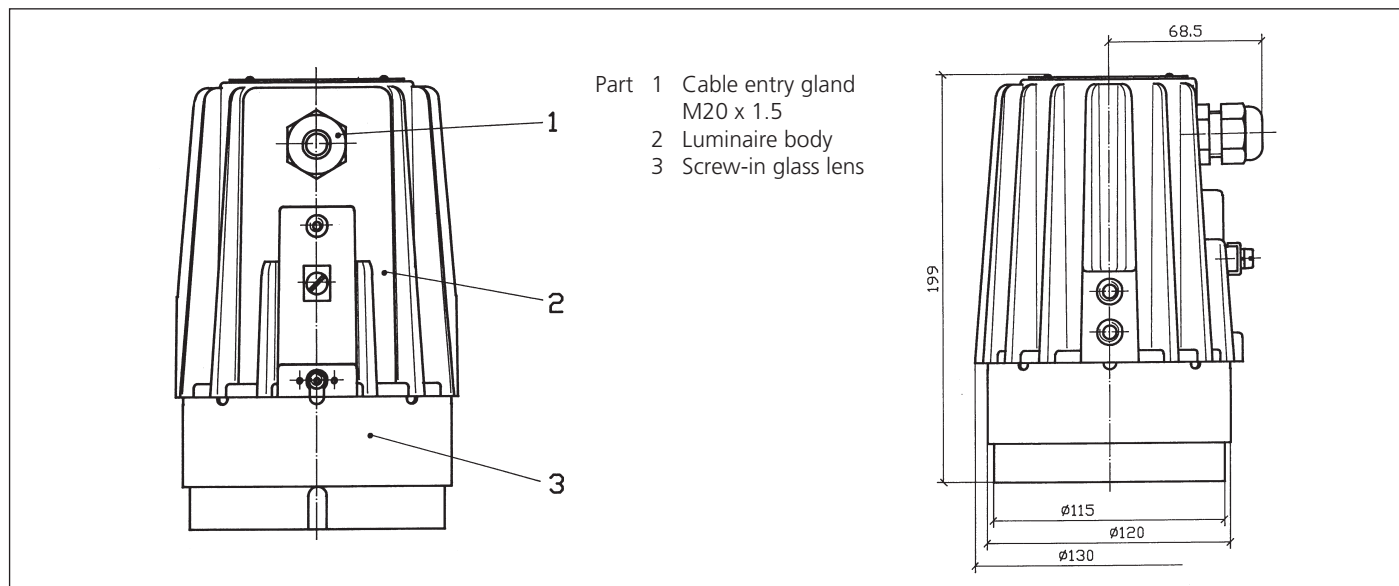


Lumistar luminaire USL 07 with mounting parts



Application as a combined sight and light glass on a sight glass fitting acc. to DIN 28120, mounting by way of luminaire fastening

• **Dimensions and electrical data for Lumistar luminaire USL 07:**



• **Components and materials:**

- Body of luminaire: non-corrosive cast aluminium alloy, GK-Al Si 10 Mg
- Light aperture: unit made of aluminium ring and glass, O-ring seal
- Fastening elements: G-Al Si 10 Mg (see accessories section)

• **Weight (without connecting cable):** without built-in transformer 2.0 kg; with built-in transformer: 3.0 kg

• **Connecting data:**

Lumistar luminaire USL 07					replacement parts		
no.	USL 07	part no.	nominal voltage	integrated transformer	socket	halogen lamp voltage/wattage	part no.
1	(24 V) 50 W	3540.604.00	24 ≈	without	GY6.35	24 V/50 W	3232.242.00
2	(230 V) 50 W	3540.607.00	230 ≈	without	E27	230 V/50 W	3232.241.00
3	(230 V/12 V) 50 W	3540.614.00	230 ~	with	GY6.35	12 V/50 W	3232.238.00
4	(120 V/12 V) 50 W	3540.612.00	120 ~	with	GY6.35	12 V/50 W	3232.238.00
5							
6	(230 V) 75 W	3540.624.00	230 ≈	without	E27	230 V/75 W	3232.239.00
7							
8	(24 V) 100 W	3540.631.00	24 ≈	without	GY6.35	24 V/100 W	3232.244.00
9	(230 V) 100 W	3540.634.00	230 ≈	without	E27	230 V/100 W	3232.247.00

Further versions with terminal box on request.

• **Accessories:**

item	component	part no.
1	fixture for luminaire, straight, DN 50 to 100	0354.005.00
2	fixture for luminaire, angled, DIN 125 to 200	0354.006.00
3	Lumistar timer (integrated) for individually timed illumination	on request
4	Lumistar timer (external) for individually timed illumination	on request
5	claw spanner for screw-in lens, for opening the luminaire	6805.002.00

• **Order data:**

Example: Lumistar luminaire USL 07, 24 V/50 W, part no. 3540.604.00 with fixture, straight, DN 50 (part no. 0354.005.00) and claw spanner (part no. 6805.002.00).