

Lumistar Luminaire USL 05 LED

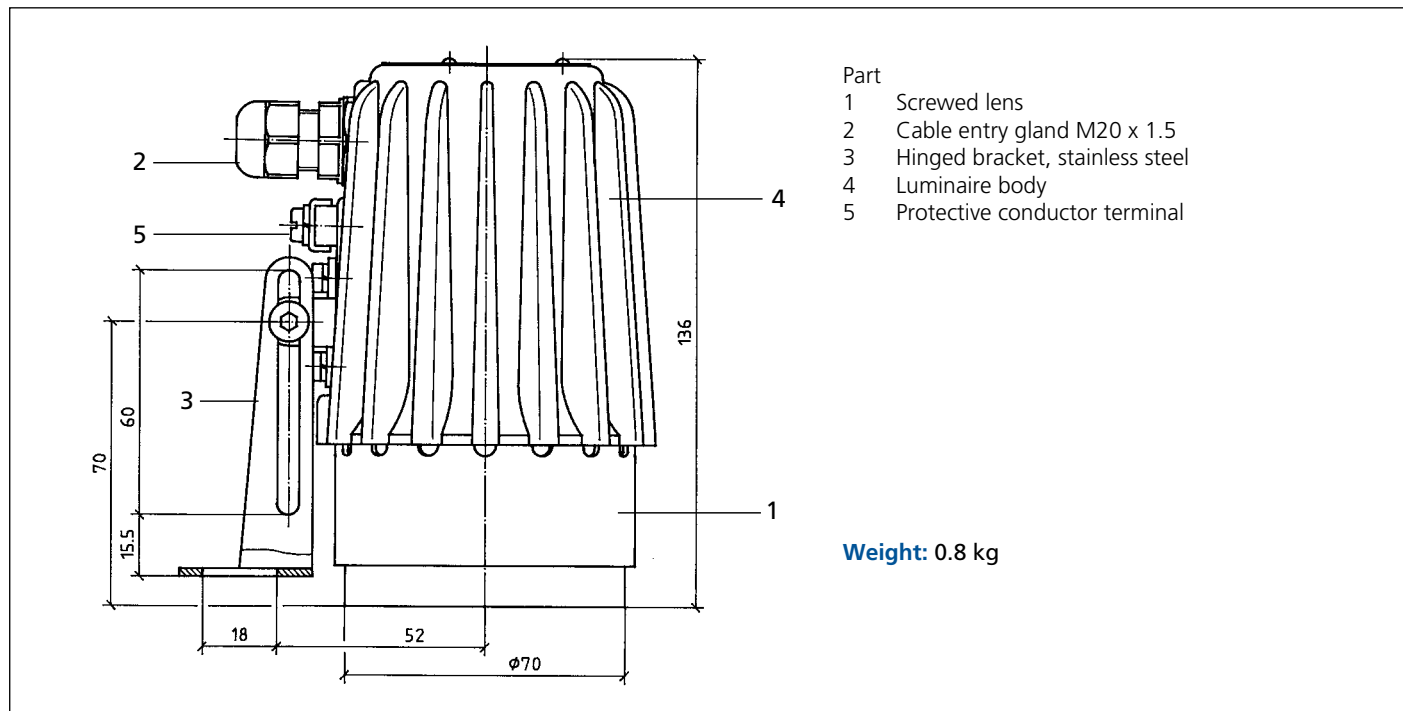
- **For mounting on sight glass fittings:**
This sight glass luminaire is designed for universal applications and is ideal either in combined sight and light ports (single-flange version) or for separate ports (two-flange version).
- **Compact design, powerful light output:**
Glare-free illumination; fits circular sight glass fittings to DIN 28120/DIN 28121 or similar, screw-type sight glass fittings in compliance with DIN 11851, as well as visual flow indicator fittings.
- **Generous light exit and optimised screwed lens aperture**
- **Applications:**
For illuminating the interiors of vessels, tanks, agitators, silos and other, generally closed, containers and reactors and also in visual flow indicators in **non-explosive environments**. Suitable for use in the food processing industry.
- **Protection class:** dust-tight and water jet-proof, IP 65 in compliance with 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.
- **Maximum admissible ambient temperature: 50°C**
- **Straightforward installation using 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 is fastened to the slotted nut.
- **Lumistar luminaire USL 05 LED fits the following nominal sizes:**
 - a) Circular sight glass fitting acc. to DIN 28120: from DN 25
 - b) Circular sight glass fitting acc. to DIN 28121: from DN 40
 - c) Visual flow indicator: from DN 25
 - d) Screw-type sight glass fitting in compliance with DIN 11851:
 - DN 65, DN 80 are mounted using a separate flange adapter
 - DN 80 and larger are mounted using a hinged bracket
- **Voltage type:** AC/DC
- **Operating voltage:**

24 V	AC/DC	7.5 W LED
230 V	AC	5 W LED



Lumistar luminaire USL 05 LED (24 V)

• **Dimensions and electrical data for Lumistar luminaire USL 05 LED:**



• **Description and materials:**

- Luminaire body: Corrosion-resistant cast aluminium alloy, GK-ALSi10Mg
- Protective conductor terminal: Inner compartment of lamp is already terminated; additional protective conductor terminal on the outside of the enclosure
- Light aperture: Unit consisting of aluminium ring and glass lens with Viton seal
- Mounting parts: Stainless steel 1.4301 (see Accessories)

• **Connecting data:**

Lumistar luminaire USL 05 LED						Replacement LED		
No.	USL 05	Part no.	Nominal voltage V	Push-button	Timer	Voltage/output	Socket	Part no.
1	(24 V) 7.5 W	3541.831.00	24 ≈	without	without	LED module	-	3858.023.00
2	(24 V) 7.5 W	3541.832.00	24 ≈	with	without	LED module	-	3858.024.00
3	(230 V) 5 W	3540.047.00	230 ~	without	without	230 V	GZ10	3233.029.00
4	(230 V) 5 W	3541.961.00	230 ~	with	without	230 V	GZ10	3233.029.00

• **Accessories:**

No.	Component	Part no.
1	Hinged bracket, stainless steel, for mounting luminaire	0354.014.00
2	Flange adapter, stainless steel, for mounting luminaire	1356.010.00
3	Lumistar Timer (external) for time-dependent illumination	on request
4	Special spanner for screwed glass lens to open the luminaire	6816.001.00

- **Order data:** e.g. Lumistar luminaire USL 05 LED, 24 V/7.5 W, part no. 3540.831.00; with hinged bracket, part no. 0354.014.00