

Installation and Operating Instructions **CE**

0093.138.00

Lumistar Lumistrob LS 55-LED

A stroboscope is a flash device that emits flashes of light at very regular intervals. In a dark environment, movements appear choppy like a sequence of still images.

• Safety Instructions:

- The use of stroboscopes can trigger epileptic seizures in susceptible persons.
- Do not touch observed machines or objects.
- Do not look into the LED beam and never point it at people or animals.
- Never point the LED beam at mirrors or other reflective surfaces. The uncontrolled deflected beam could hit people or animals.
- Use the product only as intended and within the parameters specified in the technical data.
- Do not use force.

• Pushbutton functions:

- Switching the Lumistrob on or off by pressing any button once.
- Higher speed of light flashes by pressing and holding button 1.
- Reduced speed of light flashes by pressing and holding button 2.
- When the desired flash speed is reached, release the button.
- This setting is saved.

• General operating conditions:

- Approved for use in ambient temperatures -20°C to +40°C
- Dust-tight and protected against water jets, IP 65 according to EN 60529/DIN VDE 0470 Part 1

• Electrical data in general:

- The input voltage is converted to the working voltage of the LED illuminant via a power supply card inside the Lumistrob.
- Voltage type: AC/DC
- The Lumistrob is equipped with an internal fuse.
- 10% permissible voltage tolerance

• Fastening with hinged bracket:

The hinged bracket is used to fix the Lumistrob on the cover flange of a round sight glass fitting (also for flow sight glasses) or the cover nut on screwed sightglass fittings similar to DIN 11851. The hinged bracket is fixed to the required bolt circle of a round sightglass with the screw ‚M8‘ supplied with the hinged bracket. A threaded hole must be provided by the customer. Alternatively the hinge can be welded on.

• Mounting via flanged adapter collar:

- The flanged adapter collar is mounted using the cover nut (DIN 11851):
- Place suitable seal between glass disc and flanged adapter collar.
 - Fit and tighten the cover nut.
 - Insert the Lumistrob into the flanged adapter collar and secure.
 - Note: The sterile technology version of the Lumistrob is placed over the collar of the sterile technology flange.
 - Tighten the lateral retaining screws.



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• **Electrical connection:**

- The cable gland is suitable for the insertion of all unarmoured cable types, whereby the cable gland seals the cable outer sheath.
- Depending on the operating conditions, a suitable connection cable suitable for the cable gland M16x1.5 must be selected (1), Ø 4.5-10 mm.

When connecting the Lumistrob, use the ferrite core provided. All connecting wires must be wound around the core with a full turn. For the 24 V version, the ferrite core must be pushed onto the cable 10 mm from the cover.

• **Note on the protection of the installed electronics:**

To protect the electronics, the Lumistrob is equipped with a temperature switch. If the temperature switch is activated by overtemperature or incorrect line voltage, the Lumistrob will not turn on. In this case, wait for the cooling process to complete.

• **Mounting parts:**

Please order separately if required.

• **Replacement parts:**

Luminaire sightglass stainless steel	Part no.	1773.015.00
Cable gland		9103.125.00
O-ring seal		0862.090.00
Grub screw		7446.075.00
Cylinder head screw M4x25 A2		6911.218.00

• **Maintenance:**

- Always keep the Lumistrob clean.
- After opening the Lumistrob, clean the surfaces of the cylindrical gap on the connection cover (5) and on the sight glass (6) if they are dirty.
- Before reassembly, check for damage and re-grease (e.g. with AEMA-SOL 6 B, Manufacturer A. E. Matthes).
- Use only original replacement parts.

