

## ASL 55-LED and ESL 55-LED Projector

### Benefits

- Unresponsive to vibrations
- Extended lifespan (LED approximately 50,000 hours)
- Elevated operational reliability
- Perfect for inaccessible light fixtures
- Cool illumination devoid of thermal radiation
- No supplementary thermal input for chemical or biological processes.
- High-contrast, glare-free illumination

### Compatibility

- Circular sight glass DIN 28120/DIN 28121 or equivalent
- Screw-on sight glass according to DIN 11851
- Flow indicators

### Operating Conditions

- Independent of the pressure or vacuum within the container
- Maximum allowable ambient temperature: 40°C
- Avoid direct exposure to light – Hazardous to vision!



### Applications

Ideal for illuminating bioreactors, agitators, filters, tanks, separators, pipes, and other typically sealed containers in non-ATEX environments.

### Type of Safeguard

- Dustproof and resistant to water jets (IP 65 in accordance with EN 60529/DIN VDE 0470, Part 1)

Type	Tension	Led	Watts and Beam Angle	Luminous Flux	Color temperature.
ASL 55-LED	24 V	4	11W - 11° / 26°	630 lm / 520 lm	5700 K
	24 V	7	15W - 11° / 26°	1100 lm / 930 lm	5700 K
ASL 55-LED	120-230V	4	11W - 11° / 26°	630 lm / 520 lm	5700 K
	120-230V	7	15W - 11° / 26°	1100 lm / 930 lm	5700 K
ESL 55-LED	24 V	4	11W - 11° / 26°	630 lm / 520 lm	5700 K
	24 V	7	15W - 11° / 26°	1100 lm / 930 lm	5700 K
ESL 55-LED	120-230V	4	11W - 11° / 26°	630 lm / 520 lm	5700 K
	120-230V	7	15W - 11° / 26°	1100 lm / 930 lm	5700 K

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## Components, design, and materials

Luminaire housing (4) and terminal cover (5):

- ASL 55-LED: Aluminum alloy resistant to corrosion
- ESL 55-LED: Stainless Steel 1.4404

M20x1.5 threaded cable gland (1) Light fixture: Ring (aluminum or stainless steel) + glass (6) Mounting with articulated support (7): Stainless steel 1.4301 (to be ordered separately)

## Weight

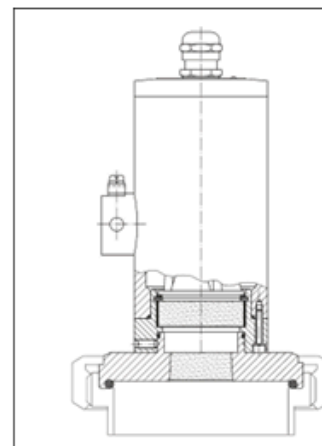
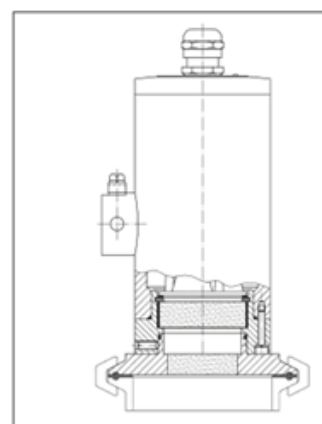
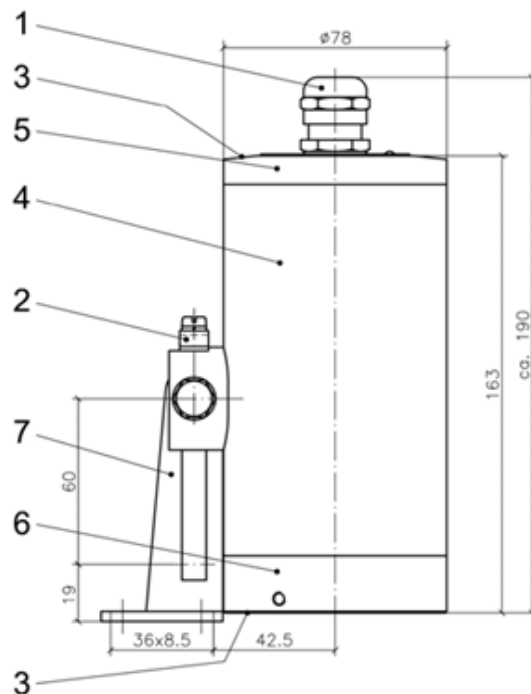
- **ASL 55-LED: 1.6 kg**
- **ESL 55-LED: 3.6 kg**

## Mechanical installation

- Flange mounting with articulated support for sight glass fittings or flow indicators.
- Mounting on a serrated nut or securing flange for threaded connections.
- Specialized integrated adapter for aseptic and sterile environments.
- Compatible with METAGLAS® and BioControl (NEUMO) portholes.
- Optimized for METACLAMP® and NACConnect™.

**For Lumistar luminaires designed for sterile environments, the following installation and securing method has been validated through practical application:**

- The luminaire is affixed to the male post of the corresponding flange. An O-ring positioned between the two components effectively seals the light port closure. Alternatively, the luminaire may be mounted utilizing an appropriate clamp-on joint that complies with DIN 32676/ISO 2852. Example 1.
- When utilized with screw-in sight glass fittings, this metal-glass ring features a reinforced rim designed for the mounting of the Lumiglas luminaire. An O-ring is incorporated to guarantee a watertight assembly; subsequently, tightening the flange generates the requisite closing pressure, as illustrated in Example 2.



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