



Projector LUMISTAR ESL25 LED-Ex

- II 2G Ex db IIC T6 Gb
- II 2D Ex tb IIIC T80°C Db

Compact and Multifunctional Projector:

- **Montage and applications**

Engineered for SIGHT GLASS fittings, perfect for a lighting and observation combination.

Use in ATEX zones, available in a single flange configuration or with two distinct flanged ports.

Glare-free illumination, appropriate for circular sight glasses DIN 28120/DIN 28121, screw-mounted sight glasses DIN 11851, and visual flow indicators.

- **Compatibility**

The Lumistar ESL25LED-Ex is appropriate for the subsequent nominal sizes:

- a) Circular sight glass fittings per DIN 28120: DN 25
- b) Circular sight glass fittings per DIN 28121: DN 40
- c) Flow indicators: starting from DN 50
- d) Screwed sight glass fittings analogous to DIN 11851:

DN 65: installation with a separate flange adapter collar.

From DN 80: articulated support is feasible.

Sterile version: available with a sleeve designed for a raised lip of the coupling flange.

- **Certifications and terms of use**

Room temperature: up to 50 degrees Celsius.

Certification:

CE Type Examination Certificate: BVS 08 ATEX E 137.

- Marquage ATEX : II 2G Ex db IIC T6 Gb – II 2D Ex tb IIIC T80°C Db.

Protection classification:

IP65 and IP67 according to DIN EN 60529

Voltage Data:

- Voltage: Alternating current (AC) or direct current (DC), contingent upon the type of light fixture.
- Operating voltage:
- 24 V AC/DC – 7.5 W
- 110-230 V AC – 7.5 W
- Color temperature: 6500 K (cool white).
- Luminous flux: 360-430 lumens (depending on beam angle).
- Beam angle: 12° / 25° / 38°.



Technical Specifications - Explosion Protection

This luminaire complies with fundamental health and safety standards as stipulated by ATEX regulations for gas and dust environments.

Gas protection

Complies with the EN IEC 60079-0:2018 and EN 60079-1:2014 standards.

Explosion group: IIC (which encompasses IIA and IIB).

Temperature classification: T6.

Protection: Explosion-proof enclosure "d".

Dust protection

Complies with the EN IEC 60079-0:2018 and EN 60079-31:2014 standards.

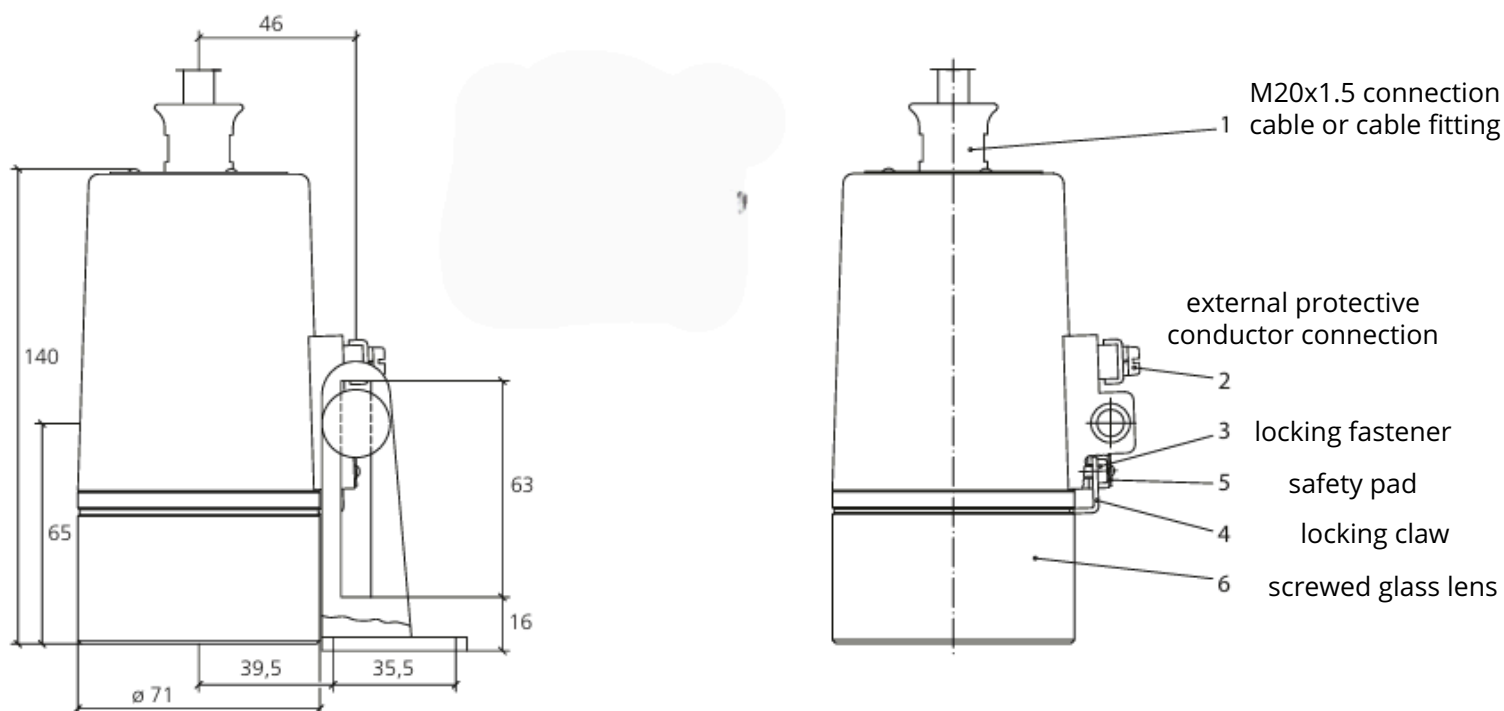
Explosion group: IIIC (which encompasses IIIA and IIIB).

Temperature classification: T80°C.

Protection: Protective enclosure "t".

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Dimensions:



ESL25 LED-Ex	Voltage (Volt)	luminous intensity	Ambient temperature range $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$
	24 V AC/DC – 7.5 W	360-430 lm	2G T6 2D T80°C
	110-230 V AC – 7.5 W	360-430 lm	2G T6 2D T80°C
	24 V AC/DC – 7.5 W	360-430 lm	2G T6 2D T80°C
	110-230 V AC – 7.5 W	360-430 lm	2G T6 2D T80°C

Components and Materials:

- Luminaire body: Polished stainless steel 1.4404.
- Fastening components: Stainless steel 1.4301.
- Cable entry gland: M20 x 1.5.
- Weight: 1.8 kg.

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