



Projector Lumistar USL 05 LED-Ex

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

Concise, Effective, and Secure

Engineered for illumination and observation, this ATEX spotlight delivers powerful, glare-free lighting. Its compact design accommodates DIN 28120/DIN 28121 circular sightglasses (from DN 25) and DIN 11851 screw-mounted sightglasses (DN 65 to 125, with adapter or articulated support). Perfect for boilers, tanks, silos, and mixers, it ensures optimal visibility in ATEX zones (Gas: 1 and 2, Dust: 21 and 22), thereby maximizing safety in industrial settings.

Protection classification:

IP65 and IP67 in accordance with DIN EN 60529

Operating conditions:

Terms of Service:

Entirely independent of the internal pressure or vacuum within the tank, installation occurs externally (in the atmosphere) and is always positioned behind an appropriate sight glass.

Under no circumstances should a sight glass projector substitute the opposing flange or the entire sight glass flange, nor should it be employed directly to seal a tank opening.

Caution: Avoid direct eye contact with the light source – risk of visual impairment!

Operating voltage:

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

Login credentials:

USL 05 LED-Ex	Variant with 2 m molded cable	Variant featuring a cable gland	Ambient temperature -20°C ≤ Ta ≤ +50°C	Ambient temperature -20°C ≤ Ta ≤ +60°C
230 V AC – 4 W	Possible	Possible	/	2G T6 / 2D T80°C
24 V AC/DC – 7.5 W	Possible	Possible	2G T6 / 2D T80°C	/
230 V AC – 7.5 W	Possible	Possible	2G T6 / 2D T80°C	/

Supplementary accessories:

- External timer
- Molded cables are available in lengths of 2, 5, 10, 15, and 20 upon request.

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Technical specifications of explosion protection (Ex):

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: T6.

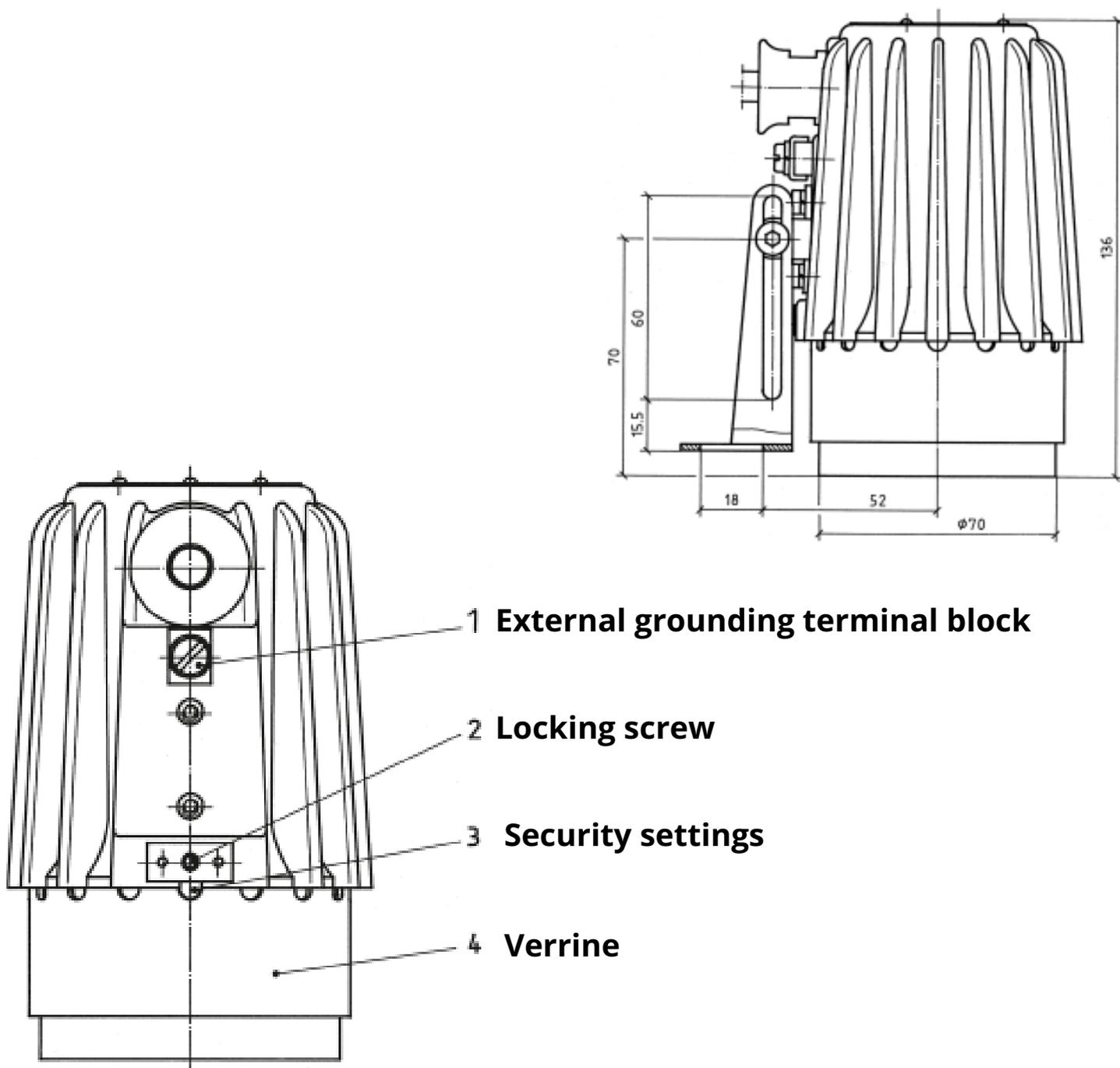
Dust protection

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

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

Temperature: T80°C.

Dimensions and electrical specifications for the USL 05 LED-Ex projector:



Components:

- Projector body: Aluminum alloy GK-ALSi10Mg with anti-corrosion treatment.
- Cable entry: pressure connection with molded cable, Sinotherm 110 H05GG-F 3G 1.5 mm², standard length: 2 meters
- Weight: 0.9 kg

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