



Projector Lumistar USL 06 LED-Ex

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

For installation on sight glass fittings:

The ATEX spotlight for inspection windows is an optimal solution for lighting and observation needs. Compact and efficient, it delivers glare-free illumination and is compatible with DIN 28120, derivative, and screw-in (MV) inspection windows.

Application:

For secure use in explosive environments (zones 1, 2, 21, and 22 – gas and dust).

Versatile, it adjusts to:

- Automotive illumination
- Illumination of tanks, boilers, reservoirs, silos, agitators, and reactors.
- Utilization with sight glasses and flow indicators
- Compatible with DIN 28120/DIN 28121 circular sight glasses, DIN 11851 screw-in sight glasses, and flow indicators.

Advanced LED technology: minimal energy consumption, extended lifespan, and customizable light color.



Technical Data – Ex Protection:

- Compliance: Directive 2014/34/EU
- Safety: This luminaire complies with fundamental health and safety standards as stipulated by relevant regulations.

Protection and Certification:

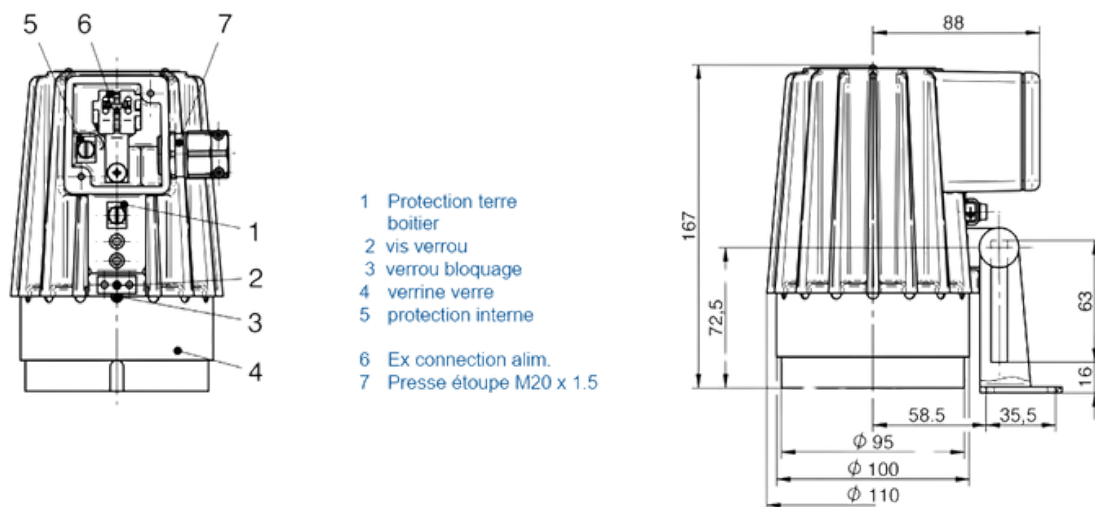
- Protection rating: IP65 and IP67 (in accordance with DIN EN 60529)
- Ambient temperature: -20°C to +50°C
- EU Examination Certificate: BVS 08 ATEX E 135
- ATEX: II 2G Ex db eb IIC T6 Gb / II 2D Ex tb IIIC T80°C Db

Gas	Dust
Standards: EN IEC 60079-0:2018 (General Requirements) EN 60079-1:2014 (Flameproof "d") EN IEC 60079-7:2015 + A1:2018 (Increased Safety "e") Explosion Group: IIC (including IIA and IIB) Temperature Class: T6	Standards: EN IEC 60079-0:2018 (General Requirements) EN 60079-31:2014 (Protection by Enclosure "t") Explosion Group: IIIC (including IIIA and IIIB) Temperature Class: T80°C

USL 06	Tension	Power	Illumination intensity	Angle dispersion	Color temperature.
	12/24V DC	9W	450-500lm	12°	6500K cool white
	12/24V DC	9W	450-500lm	25°	6500K cool white
	12/24V DC	9W	450-500lm	38°	6500K cool white
	12/24V DC	9W	450-500lm	12°	6500K cool white
	24 V AC/DC	14W	450-500lm	12°	6500K cool white
	24 V AC/DC	14W	450-500lm	25°	6500K cool white
	24 V AC/DC	14W	450-500lm	38°	6500K cool white
	220-240 volts alternating current	7W	Depending on the lamp type	Depending on the lamp type	Depending on the lamp type

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Dimensions and electrical specifications for the USL 06 LED-Ex projector:



Materials	
Projector casing	Aluminium
Glass	Borosilicate
Repairing hinge	stainless steel
Housing seal	Viton

ASSEMBLAGE:

For application on a circular sight glass of the DIN28120 type or its derivatives, featuring a fixing hinge secured by an M8 screw. There is also the option for installation without a hinge using a machined fixing sleeve, typically on a sight glass type MV (for lighting purposes only).

ELECTRICAL CONNECTION:

Cable gland with adjustable entry (right or left).
Supplied without cable. Cable diameter: 8-15 mm.

WEIGHT: 2.1 kg

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