



Projector Lumistar USL 07 LED-Ex

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

For installation on porthole fittings:

The explosion-proof universal sight glass luminaire is affixed to the opposing flange of the circular sight glass valve and flow indicator, or to the grooved cover nut of the threaded sight glass valve. It is designed for the integration or separation of the sight glass and the light glass, available in both single and double flange configurations.

Sleek design, vibrant illumination.

Glare-free illumination, suitable for circular (DIN 28120/28121), threaded (DIN 11851) sight glass fittings and flow indicators.

- Elevated light intensity and enhanced opening of the screw-on glass.

Application:

Lighting designed for the interiors of boilers, tanks, silos, agitators, and other enclosed containers, as well as for flow indicators in potentially explosive atmospheres. Additionally appropriate for food processing facilities.

Protection classification:

IP65 and IP67 in accordance with DIN EN 60529

Operating conditions:

Independent of the pressure or vacuum within the container, a sight glass light fitting must not substitute for the opposite flange or sight glass flange assembly, nor should it be employed to cover a container opening. Caution: Avoid direct eye contact with the light source - risk of vision impairment!

Technical specifications of explosion protection (Ex):

Lumistar USL 07 LED-Ex luminaires are approved for operation in ambient temperatures reaching 60°C.

- Explosion-proof technical specifications: This projector adheres to safety and health regulations, complying with standards for gas and dust.



Operating voltage:

Voltage type: AC or DC, depending on the type of lamp.

- Operating voltage: 24 V AC/DC – 14 W, 120-230 V AC – 14 W.
- Color temperature: 5,700 K.
- Luminous flux: 1150 lumens.
- Beam angle: 11° or 26°

Electrical connection:

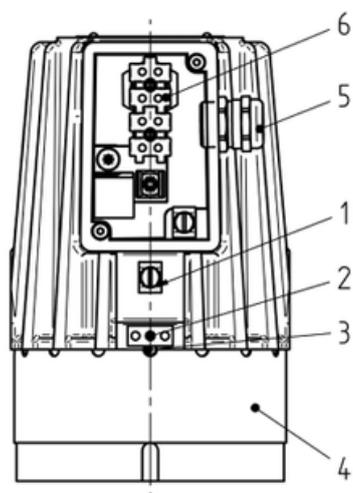
- Adjustable cable lengths
- Cable diameter: 8 to 15 mm

compatible with the subsequent sizes:

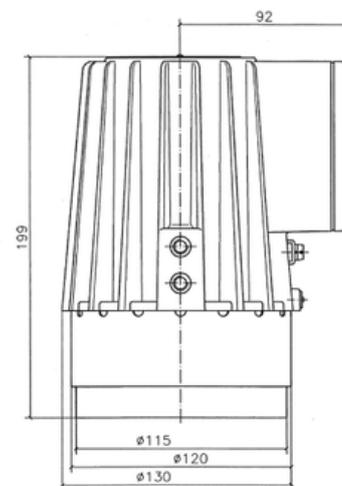
- Circular sight glass DIN 28120: starting from DN 50.
- Circular sight glass DIN 28121: starting from DN 80.
- Screwed sight glass fittings DIN 11851: from DN 100 and DN 125, with sleeve fastening.
- From DN 150, installation with securing brackets.

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Dimensions and electrical specifications for the USL 07 LED-Ex projector:



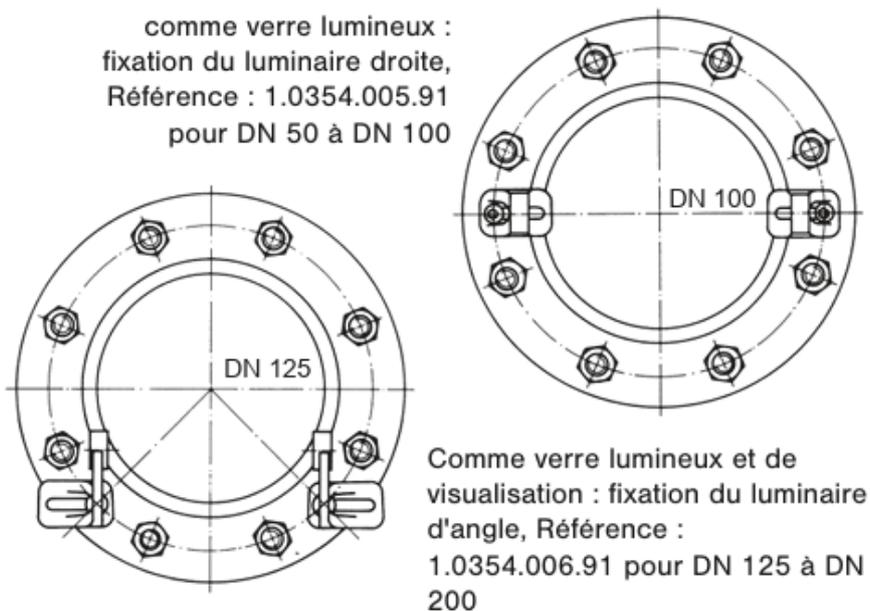
1. External grounding terminal
2. Locking screw
3. Safety pin
4. Screw container
5. M20 x 1.5 cable gland
6. Explosion-proof connectors



Login credentials:

USL 07 LED-Ex	Voltage (Volt)	Light	radiation angle	Ambient temperature $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$
(24 V) 14 W	24	LED	11°	2G T6 / 2D T80°C
(120-230 V) 14 W	120-230	LED	11°	2G T6 / 2D T80°C
(24 V) 14 W	24	LED	26°	2G T6 / 2D T80°C
(120-230 V) 14 W	120-230	LED	26°	2G T6 / 2D T80°C

Combination possibilities:



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