

USL 03 LED Projector

Application:

The Lumistar USL 03LED floodlight is a highly compact, dust- and water-resistant model, specifically engineered for use in the food industry and industrial settings. It provides optimal illumination for enclosed tanks, boilers, vats, silos, agitators, and reactors.

Key Attributes:

- Ultra-compact design: Engineered for installation in confined spaces.
- Resistance: Shielding against dust and water jets (IP65).
- Versatility: Offered in a single-flange configuration for a combined view and light window, or in a double-flange configuration for a distinct arrangement.
- Compatibility: Appropriate for circular viewing windows in accordance with DIN 28120 / DIN 28121 or similar standards, as well as screw windows per DIN 11851.

Available Editions:

- Single flange version: To integrate the viewing window and illumination.
- Two-flange variant: Designed for the independent installation of the viewing window and lighting.

Advantages:

- Compact and powerful: Perfect for installations with spatial constraints.
- Durability: Enhanced protection against dust and water jets for prolonged use in challenging environments.
- Efficiency: Delivers dependable and distinct illumination for optimal visual assessment.



Dimensions:

- Total length: 79 mm
- Diameter: 53 mm

Protection Class:

- Protection: IP 65 in accordance with EN 60529 / DIN VDE 0470 Part 1

Technical Specifications:

- Operating Voltage: 24 V AC/DC
- Ambient temperature: maximum 50°C (maximum 70°C in push-button operation)

Mechanical Data:

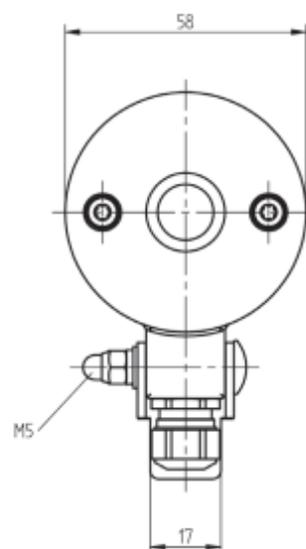
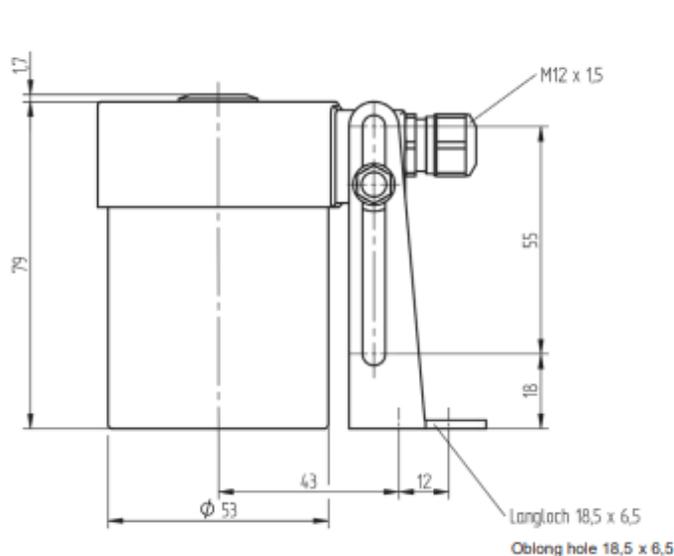
- Luminaire housing: Stainless steel 1.4301
- Luminaire head: Stainless steel 1.4301
- Mounting components: Articulated bracket or adapter flange constructed from stainless steel 1.4301
- Power cable: 5 m (3 x 0.75 mm²)

Technical Lighting Specifications:

- Light color: 5700 K
- Luminous flux: 400 lumens
- Beam angle: 18° or 30°

	Tension	functioning	W + Beam Angle	Luminous Flux	Color temperature.
USL 03	24 V	Without BP	5 at 18 degrees	400 lm	5700 K
	24 V	With BP	5 at 18 degrees	400 lm	5700 K
	24 V	With a switch	5 at 18 degrees	400 lm	5700 K
	24 V	Without BP	5 at 30 degrees	400 lm	5700 K
	24 V	With BP	5 at 30 degrees	400 lm	5700 K
	24 V	With a switch	5 at 30 degrees	400 lm	5700 K

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Installation:

- Circular SIGHT GLASS and tubular porthole: The luminaire is secured to the cover flange utilizing the articulated support.
- Screw-on hub: The luminaire is secured to the cover nut, either through an adapter flange or an articulated bracket.

Nominal Widths:

Circular portholes (akin to DIN 28120, DIN 28121) and tubular sight glass: secured on the cover flange from DN 50.

Screw sight glass (analogous to DIN 11851):

- Securing the cover nut:
 - DN 65, 80, 100: through an adaptation flange
 - DN 65, 80, 100, 125: through articulated support

Weight:

Total weight: 0.8 kg

Accessories

Mounting flange DN 50, nut aperture: 62 mm

Mounting flange DN 65, nut aperture: 65 mm

Mounting flange DN 80, nut aperture: 94 mm

Spare Components

Articulated support for stainless steel light fixtures

Gasket (fastener)

O-ring (luminaire head)

Module LED 18°

Module LED 30 Degrees

Scope of Delivery:

- 5-meter connection cable
- Articulated assistance
- Repairing screws

Example Order Specifications:

Reference: 3542.203.00: Lumistar USL 03LED luminaire, 24 V, 5 W, beam angle 18 degrees

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GALLET INDUSTRIAL EQUIPMENT

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