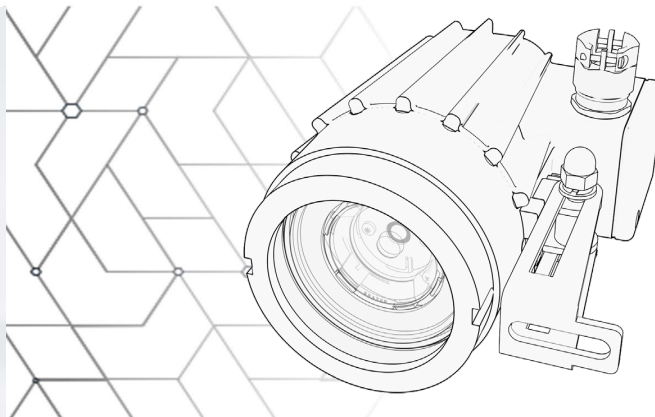




Application:

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

This Lumistar variant impresses with its versatility:

- as a vehicle luminaire
- for the optimal illumination of closed vessels, boilers, tanks, silos, agitators and reactors.
- in combination with flow sight glasses

For use with circular sight glass fittings to DIN 28120/DIN 28121 or similar, with screw type sight glass fittings in compliance with DIN 11851, and in visual flow indicators.

Trend-setting LED technology guarantees even lower energy consumption, longer service life and flexible light colour.

Protection:

IP 65 and IP 67 to DIN EN 60529

Ambient temperatures:

From -20°C up to +50°C

Technical data EX Protection:

Approval according to directive 2014/34/EU

This luminaire meets the essential safety and health requirements by complying with the regulations for

Gas	
EN IEC 60079-0:2018	General Requirements
EN 60079-1:2014	Flame-proof Enclosures „d“
EN IEC 60079-7:2015 + A1:2018	Increased Safety „e“
Explosion group	IIC (includes IIA and IIB)
Temperature class	T6

Dust	
EN IEC 60079-0:2018	General Requirements
EN 60079-31:2014	Protection by Enclosures „t“
Explosion group	IIIC (includes IIIA and IIIB)
Temperature class	T80°

Certification: EU Type-Examination Certificate
BVS 08 ATEX E 135



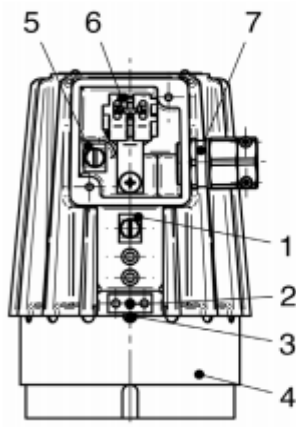
II 2G Ex db IIC T6 / T4 Gb
II 2D Ex tb IIIC T85°C / 130°C Db

Ambient temperature range:
-20°C T +40°C / +50°C

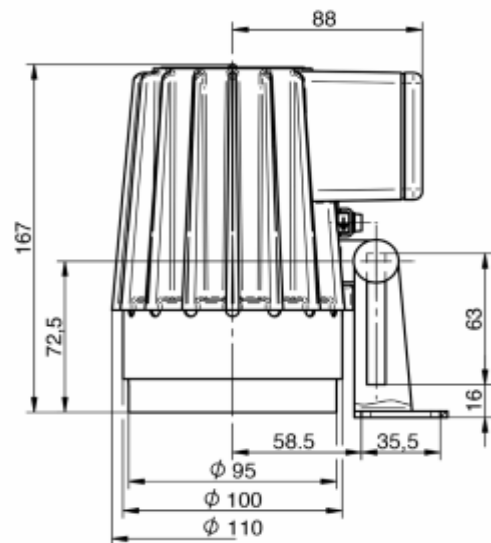
Voltage	Nominal power	Nominal luminous flux	Light colour*	Beam angle	Addition	Part no.
12 V/24 V DC	9 W	450-500 lm	6500 K cold white	12°		3542.230.00
12 V/24 V DC	9 W	450-500 lm	6500 K cold white	25°		3542.231.00
12 V/24 V DC	9 W	450-500 lm	6500 K cold white	38°		3542.232.00
12 V/24 V DC	9 W	450-500 lm	6500 K cold white	12°	including sealing plug	3542.233.00
24 V AC/DC	14 W	450-500 lm	6500 K cold white	12°		3542.235.00
24 V AC/DC	14 W	450-500 lm	6500 K cold white	25°		3542.236.00
24 V AC/DC	14 W	450-500 lm	6500 K cold white	38°		3542.237.00
220-240 V AC	7 W	depending on the lamp type			socket GU10	3542.245.00

*other light colours on request

Lumistar luminaire USL06 LED Ex Sight glass luminaire in Ex version



- 1 Protective conductor terminal outside
- 2 Locking screw
- 3 Locking lug
- 4 Screw glass
- 5 Internal protective conductor terminal
- 6 Ex terminals
- 7 Cable gland M20 x 1.5



APPLICATION:

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- for the optimal illumination of closed vessels, boilers, tanks, silos, agitators and reactors.
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For use with circular sight glass fittings to DIN 28120/DIN 28121 or similar, with screwtype sight glass fittings in compliance with DIN 11851, and in visual flow indicators.

Trend-setting LED technology guarantees even lower energy consumption, longer service life and flexible light colour.

PROTECTION:

IP 65 and IP 67 to DIN EN 60529

AMBIENT TEMPERATURES:

-20°C to 50°C

TECHNICAL DATA EX PROTECTION:

Approval according to Directive 2014/34/EU

This luminaire meets the essential safety and health requirements by complying with the regulations for:

Gas	
EN IEC 60079-0:2018	General Requirements
EN 60079-1:2014	Flame-proof Enclosures „d“
EN IEC 60079-7:2015 + A1:2018	Increased Safety „e“
Explosion group	IIC (includes IIA and IIB)
Temperature class	T6

Dust	
EN IEC 60079-0:2018	General Requirements
EN 60079-31:2014	Protection by Enclosures „t“
Explosion group	IIIC (includes IIIA and IIIB)
Temperature class	T80°

EU-Type Examination Certificate:

BVS 08 ATEX E 135

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

Voltage	Nominal power	Nominal luminous flux	Light colour*	Beam angle	Addition	Part no.
12 V/24 V DC	9 W	450-500 lm	6500 K cold white	12°		3542.230.00
12 V/24 V DC	9 W	450-500 lm	6500 K cold white	25°		3542.231.00
12 V/24 V DC	9 W	450-500 lm	6500 K cold white	38°		3542.232.00
12 V/24 V DC	9 W	450-500 lm	6500 K cold white	12°	including sealing plug	3542.233.00
24 V AC/DC	14 W	450-500 lm	6500 K cold white	12°		3542.235.00
24 V AC/DC	14 W	450-500 lm	6500 K cold white	25°		3542.236.00
24 V AC/DC	14 W	450-500 lm	6500 K cold white	38°		3542.237.00
220-240 V AC	7 W	depending on the lamp type			socket GU10	3542.245.00

*other light colours on request