

Lumistar Leuchte USL 07 LED-Ex



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

For mounting on sight glass fittings:

It is a universally applicable sight glass luminaire in Ex version, which is excellently suited both for the combination of sight and light glass (1-flange version) and for their separate arrangement (2-flange version).

Compact design, high light output:

glare-free illumination; suitable for round sight glass fittings according to DIN 28120/DIN 28121 or similar as well as for screw sight glass fittings analogue DIN 11851 and flow-through sight glass fittings.

Large light output and optimally designed screw glass opening

Use:

For illuminating the interior of boilers, tanks, silos, agitators and other normally closed containers and reactors as well as flow-sight glasses in potentially explosive plants. Suitable for food businesses.

Protection class:

Dustproof and radiation protected,
IP 65 and IP 67 according to EN 60 529/ DIN VDE 0470 Part 1.

Operating conditions:

Irrespective of container pressure/vacuum. No way a sight glass lamp may be used for the counter flange or the complete Replace or replace sight glass flange mount. directly to cover a container opening.
Attention: Do not enter the light source - danger of visual impairment!

Lumistar luminaires USL 07 LED-Ex are for use in Ambient temperatures up to 60°C allowed.

Technical data Ex protection:

This luminaire meets the basic safety and health requirements. Community legislation by complying with the provisions for:

a) Gas and dust

EN 60079-0: 2012.A11: 2013 General requirements
EN 60079-1: 2014 Pressure-resistant enclosure 'd'
EN 60079-7: 2015 Increased safety 'e'
EN 60079-31:2014 Protection by housing 't'



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Easy electrical connection via the Connection box:

- Cable lengths optional
- Cable diameter: 8-15 mm

Easy mounting thanks to special mounting:

For the round sight glass fitting and for the flow-through Viewing glass is the luminaire over the luminaire mounting on the counter flange, at the screw-sight glass fitting fastened to the groove nut.

Lumistar luminaires USL 07 LED-Ex fit from the following nominal widths:

- a) round sight glass fitting according to DIN 28120: from DN 50
- b) round sight glass fitting according to DIN 28121: from DN 80
- c) Flow-through sight glasses: from DN 50
- d) Screw-on sight glass fittings similar to DIN 11851:
--for DN 100 and DN 125 the fastening is done via the separate insert flange
from DN 150 the mounting is done via the luminaire mounting.

Voltage type:

AC/DC voltage, depending on luminaire type

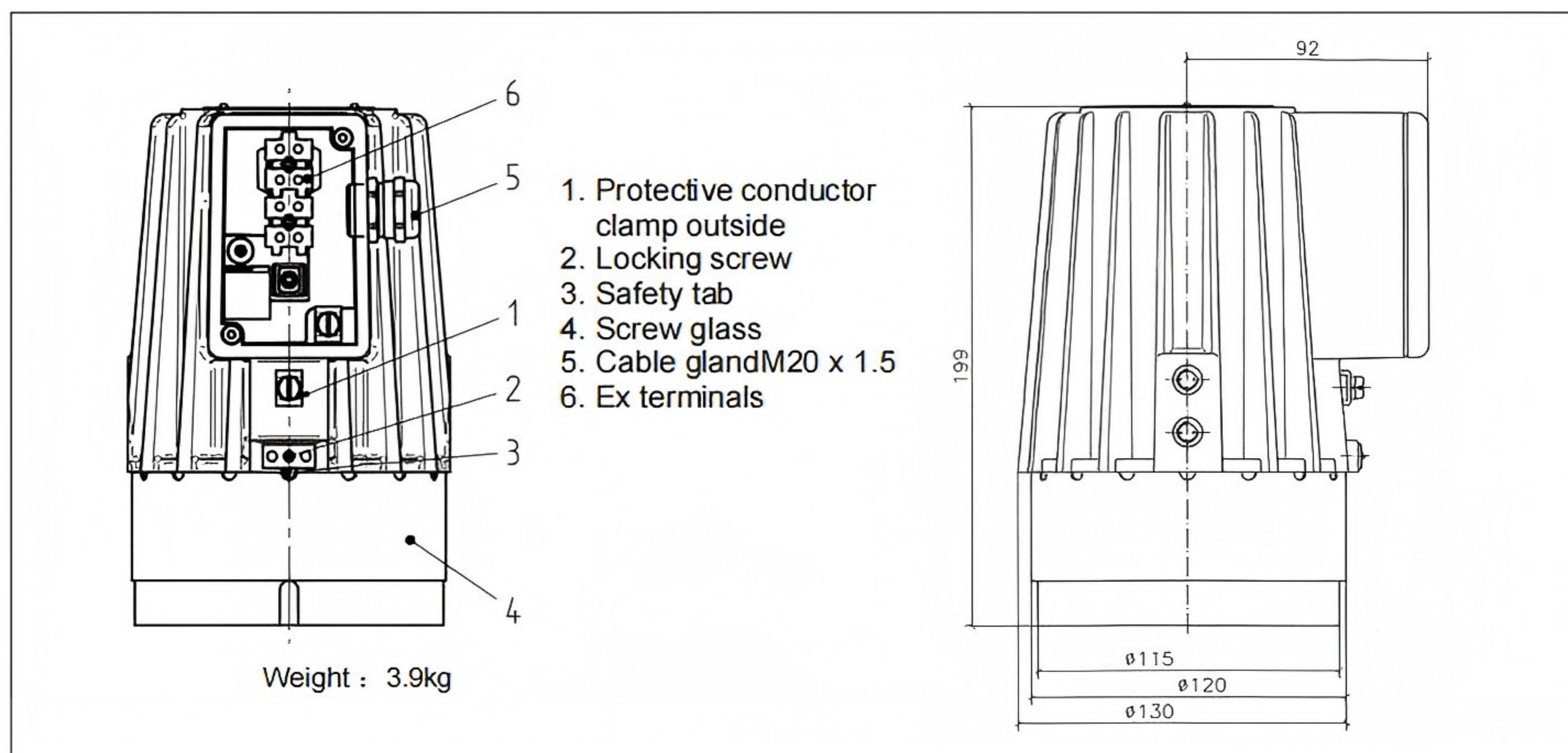
Operating voltage:

24 V AC/DC - 14 W
120-230 V AC - 14 W
Farbtemperatur: 5700 K
Lichtstrom: 1150 lm

Radiation angle: 11° or 26°

Lumiglas® *explosion-proof*

Dimensions and electrical data for Lumistar luminaire USL 07 LED-Ex:



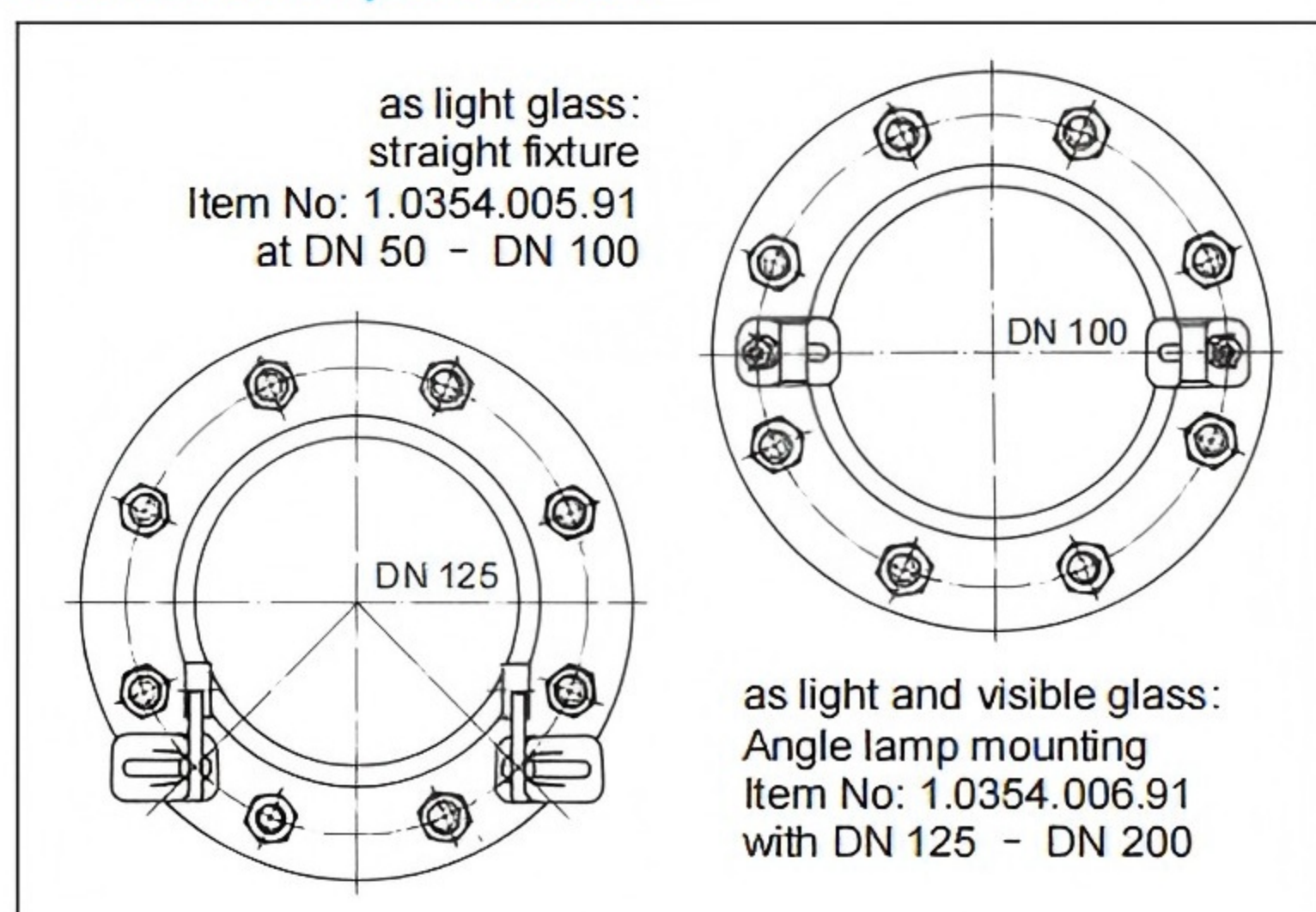
Connection data: Temperature data assignment and electrical parameters
(see also EU type examination certification)

USL 07 LED-Ex Variante	Item No.	Rated voltage Volt	Lamps	Beam angle	Ambient temperature range $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$	
(24 V) 14 W	3541.281.00	24 ≈	LED	11°	2G T6	2D T80°C
(120-230 V) 14 W	3541.282.00	120-230 ≈	LED	11°	2G T6	2D T80°C
(24 V) 14 W	3541.283.00	24 ≈	LED	26°	2G T6	2D T80°C
(120-230 V) 14 W	3541.284.00	120-230 ≈	LED	26°	2G T6	2D T80°C

Additional equipment:

Pos.	Subject matter	Item No.
1	Lamp mounting straight DN 50 to 100	0354.005.00
2	Luminaire mounting angle DN 125 to 200	0354.006.00
3	Mounting wrench for screw glass to open the luminaire	6805.002.00

Combination possibilities



Order specifications:

e.g. Lumistar luminaire USL 07 LED-Ex, 230 V/14 W,
Item No 3541.282.00;
Lamp mounting, item no 0354.005.00