

# Lumistar Luminaire USL08LED-Ex, UL-listed

(UL) + (UL) T6

## • For mounting on sightglass fittings

Designed for Sightglass light fitting in Ex-version with integrated terminal compartment for the combination of sightglass and light glass (single port version) as well as for their separate arrangement (dual port version) with three connection possibilities

#### • Compact design, high light output:

- Glare-free illumination; suitable for round sightglasses to DIN 28120/DIN 28121 or similar from DN 50 and larger
- Screwed sightglasses analogue DIN 11851 from DN 100 and larger
- Flow indicators from DN 50 and larger

# High intensity light emission through optimally designed glass lens

### • Application:

For illumination of the interior of boilers, tanks, bunkers, silos, agitators and other usually closed containers and reactors as well as flow sight glassesin hazardous areas with UL requirements.

# Suitable for food processing, chemical and pharmaceutical industry

#### • Protection Level:

Dust and waterjet tight, IP65 acc. to EN60529/DIN VDE 0470, Part 1

## • Ignition protection level, Explosion Group:

- UL 844 listed for Class I Div. 1 and 2, Group C and D
- UL 1571 for wet conditions

#### · Operating conditions:

- Independent of the vessel internal pressure/vacuum.
- Under no circumstances may the light fitting replace the cover flange or the complete sightglass assembly or be used directly to cover a container opening.
- Caution: Do not look into light danger of impaired eyesight.
- These Lumistar luminaires are approved for use in ambient temperatures up to 50°C.
- Test certificate: (\$\bar{\mu}\_{\mu}\) + c(\$\bar{\mu}\_{\mu}\) listed Cat No. USL08LED-Ex: 9N77

## • Electrical data and equipment:

According to UL regulations per table on last page

• Type of voltage: AC Voltage (AC)

# Operating voltage:

120 - 240 V LED module COB LED, 20 W 120 - 240 V LED module 7 LED, 20 W





Lumistar luminaire USL08LED-Ex with mounting parts



Application as combined sight and light glass on a sight-glass fitting according to DIN 28120



## · Beam angle:

- Simple lens replacement
- 15°, 25° and 35° lenses available (COB LED version)
- Available beam angles 7 LED version: 11° and 26

## • Easy installation with special mounting bracket:

(to be specified separately)

The luminaire is mounted with the mounting parts on the cover flange of the circular sightglass or flow sightglass or on the slotted nut of screwed sightglass fittings

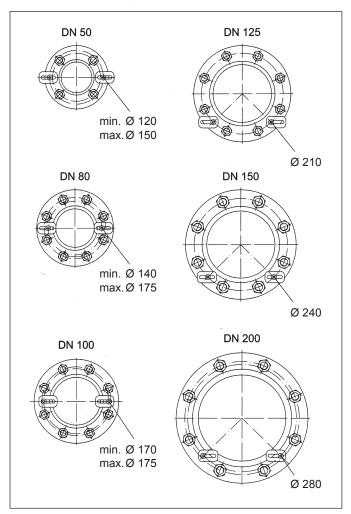
- a) Straight bracket for DN 50 to DN 100 (as light port)
- b) Angle bracket for DN 125 to DN 200 (for sight-light combination)

## Simple electrical connection via junction box

- The luminaire is wired internally and ready for operation. For cable entry from the outside, the terminal box has three openings with 1/2" NPT threads (right, left, top).
- The unused openings must be closed with two dummy plugs (included with luminaire).
- A cable gland is not part of the luminaire, as the connection is usually made with conduit.



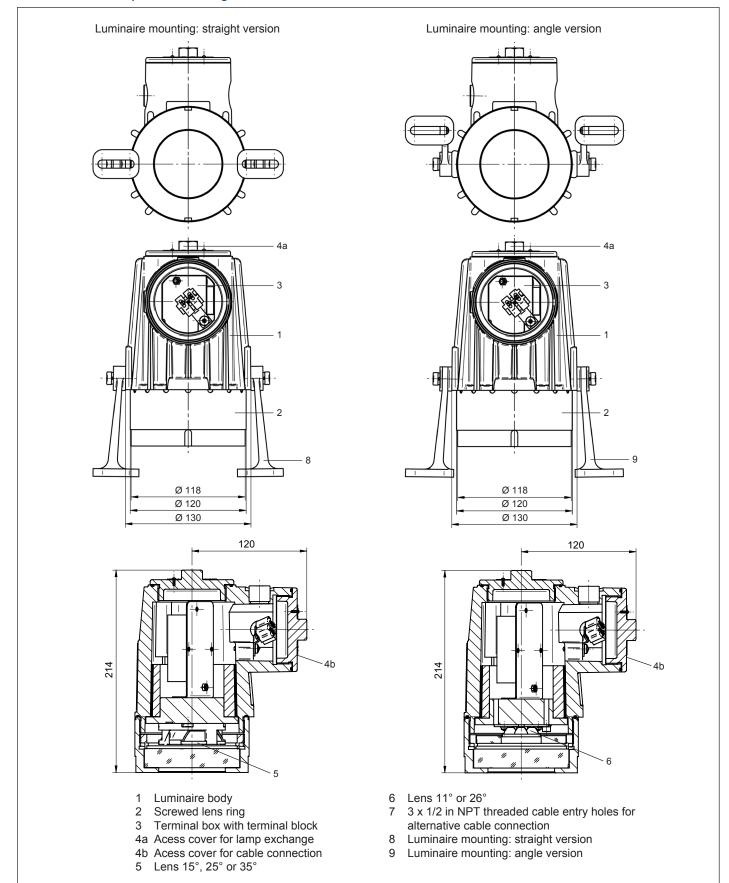
Lumistar luminaire USL08LED-Ex



Hole pattern diameters for fastening screws



## • Dimensions and components of Lumiglas luminaires USL08LED-Ex:





## • Parts, design, materials, weight:

- Luminaire body made of corrosion-resistant cast aluminium alloy, GK-AlSi10Mg
- Light aperture consists of aluminium ring, glass and O-ring seal
- Mounting parts: (see accessories) G-AlSi10Mg
- Weight: 4 kg/8.9 lbs

## • Connection data and temperature data classification:

Pos.	Type USL08LED-Ex	Part no.	Beam angle	Luminoux flux	Colour temp.	Voltage
1	120-240 V – 20 W	3542.501.00	15°	2200 lm	6200	120-240 V
2	120-240 V – 20 W	3542.502.00	25°	2200 lm	6200	120-240 V
3	120-240 V – 20 W	3542.503.00	35°	2000 lm	6200	120-240 V
4	120-240 V – 20 W	3542.504.00	11°	1600 lm	5700	120-240 V
5	120-240 V – 20 W	3542.505.00	26°	1500 lm	5700	120-240 V

#### · Accessories:

Item	Part no.
Luminaire mounting bracket, straight: for DN 50 to DN 100	0354.005.00
Luminaire mounting bracket, angled: for DN 125 to DN 200	0354.006.00
Special assembly spanner for screw-in lens	6805.002.00

# • Order data: e.g.

- Lumistar Luminaire USL08LED-Ex, 120-240 V, 15°, part no. 3542.501.00
- Luminaire mounting bracket, straight, part no. 0354.005.00
- Special assembly spanner for screw-in lens, part no. 6805.002.00