

Installation and Operating Instructions **CE**

0093.140.00

Lumistar Luminaire USL 03-LED

Important, please note:

Sight glass luminaires are purpose-designed and intended solely for mounting on the top or side of sight glass units.

Under no circumstances should a luminaire be used to replace a cover flange or complete sight glass fitting nor as a closure for an opening in a process vessel.

- **Caution:** Do not look into light – danger of impaired eyesight!
- **Electrical data, general:**
 - The voltage, output and protection type are shown on the name plate.
 - Excess voltage will cause premature illuminant failure.
- **General operating conditions:**
 - Independent of internal vessel pressure/vacuum.
 - Max. admissible ambient temperature at cable entry gland: 40°C.
 - The luminaire is designed for continuous operation.

Installation – mechanical:

The Lumistar luminaire USL 03-LED with the required fixture fits the following sight glass sizes:



Lumistar luminaire USL 03-LED

Type of fitting	from DN	Hinged bracket	Flanged adapter
Sight glass unit, circular similar to DIN 28120 or DIN 28121	25/40	+	-
Flow indicator	50	+	-
Screwed sight glass unit similar to DIN 11851	50/65	-	+
	80	+	-
	100	+	-
	125	+	-

Mounting with hinged bracket:

The hinged bracket can be used to fasten the luminaire to the cover flange of a circular sight glass fitting (or flow indicator) or to the slotted cover nut of a screwed sight glass similar to DIN 11851.

The bracket is fixed in place in a blind hole tapped on the bolt pitch circle of the cover flange face, using the M6 screw provided. Alternatively, the bracket can be welded on.

Mounting with flange adapter:

The adapter is mounted between the glass disc and the slotted cover nut (DIN 11851). To do this, place an appropriate gasket between the glass disc and the adapter. Plug in the luminaire and tighten the grub screws located around the edge. The adapter is to be ordered separately.

• **Electrical connection:**

- The connecting cable (5 m) comes ready connected to the luminaire via the cable entry gland.
- The unit is internally wired and ready for operation.

• **Changing the illuminant:**

- Switch off power to the luminaire.
- Loosen both screws in the back plate of the luminaire.
- Lift off the back plate complete with the attached lamp socket and the illuminant to be replaced.
- Pull off the defective illuminant.
- Holding the new illuminant carefully, insert it into the 2-pin socket and push it firmly into place.
- Refit the back plate complete with the new illuminant in its socket, paying attention to the correct positioning of the cables. Tighten the screws to fix in place.
- Switch on power.

• **Caution:**

- Only use illuminants of the same type and with the same wattage!

• **Installation instructions:**

- Save these instructions carefully.
- Note the nameplate for power supply and wattage.

• **Maintenance:**

- Keep the luminaire clean and free of dust.
- The average service life of the illuminant should be observed.
- Please use original replacement parts only.

• **Replacement parts and ordering information:**

LED illuminant		
Socket	Voltage/ power	Part. no.
GU4	12 V/2 W	3232.026.00

Component	Part. no.
Hinged bracket mounting	0354.023.00
Flange adapter mounting DN50 Ø 62 mm	1356.027.00
Flange adapter mounting DN65 Ø 65 mm	1356.030.00
Gasket 50 x 2 mm, 80 Shore, Viton (between back plate and body)	0862.094.00
Lamp socket GU4	1202.023.00