

Installation and operating instructions for Lumiglas luminaires

UL-listed Lumiglas luminaire stainless steel series USL13-UL

• Important note:

Sightglass luminaires are specifically and solely designed for mounting on top or side of sightglass units. Never use a luminaire in place of cover flange or complete sightglass unit to provide a closure for an opening in a process vessel. Luminaires which are to be used in Ex areas may only be installed and serviced by personnel duly qualified and authorised to do so.

• Electrical data – general:

- Voltage, power and protection are shown on identity plate.
- **Caution:** Excessive voltage will shorten lamplife.

• Installation – mechanical:

The Lumiglas luminaire model USL13-UL, with requisite securing bracket, fits the following nominal sizes of sightglass:

Type of fitting	from DN	Hinged bracket	Flanged adapter
circular sightglass fitting DIN 28120/28121	50	+	-
flow indicator	50	+	-
screwed sightglass fitting DIN 11851	50/65	-	+
	80	+	-
	100	+	-
	125	+	-

• Fastening with hinged bracket:

The hinged bracket serves to secure the luminaire to the cover flanged of a circular sightglass unit (and flow indicator) or the slotted cover nut of screwed sightglass similar to DIN 11851. The bracket is fixed using the M6 screw supplied, and a blind hole drilled and tapped on the bolt pitch circle of the cover flange face. Alternatively the bracket can be welded on.

• Fastening with flange adapter:

The adapter fits under the slotted cover nut (DIN 11851). Place suitable gasket between adapter and glass disc, tighten slotted cover nut; slide luminaire into adapter sleeve and tighten radially located grub screws.
NB: The adapter may have to be ordered separately if not included in original supply.

• Electrical connection:

- Connecting cable (3 m) comes ready connected to the luminaire via the cable entry gland
- The unit is internally wired ready for operation

• Lamp exchange:

- Caution: check the body temperature before opening
- Switch of power to luminaire
- Loosen both screws in luminaire back plate
- Lift off back plate complete with attached lamsocket and defective lamp
- Pull out defective lamp
- Gripping new lamp with its protective material, insert carefully into 2 pin or Ba 15d socket and push in firmly
- Refit back plate complete with new lamp in socket, checking location of cabling and tighten securing crews.
- Switch on power
- Caution: only use lamps of identical type and power

• Operating conditions – general:

- Independent of vessel internal pressure/vacuum.
- Max. permissible ambient temperature at cable entry gland 90° C.
- 50 W powered versions of the luminaires may only be used with push button switches!
- **Warning!** When the luminaire - whether fitted with existing or higher wattage lamp - is used in continuous ON mode, check the temperature of the luminaire, its lens glass and the light/sight glass fitting; these temperature values must not be allowed to exceed those stated in the relevant data sheet and/or separate sheet entitled "Installation and operating instructions for lumiglas luminaires". If these values become critical, insert a momentary push button or time delay switch in the power supply to the luminaire to prevent overheating.

• Replacement parts and ordering information:

Component Halogen filament lamp		
Lamp Socket	Voltage/ Power	Part No.
GY 6.35	24 V/50 W	3232.242.00
Ba 15d	120 V/50 W	3232.275.00

Component	Part No.
Luminaire fixing hinged bracket	0527.008.00
Luminaire fixing adapter DN65	1356.007.00
Push button	6412.016.00
Dust cap for push button	2330.014.00
Reflector for 24 V/50 W	5904.025.00
Reflector for 120 V/50 W	5904.054.00
Gasket 53,5 x 1,5 mm 80 Shore, Viton (backplate to body)	0853.009.00
Lamp socket Ba 15d	1202.013.00
Lamp socket (UL) 2-pin G 6.35	1202.025.00

• Servicing:

- Keep luminaire clean!
- Allow for mean lamp life!
- Use only original replacement parts!

All dimensions in mm unless stated otherwise. Subject to change without prior notice.
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