

## Installation and operating instructions for Lumiglas luminaires

### UL-listed Lumiglas luminaire stainless steel series USL15-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.

**• Installation - mechanical:**

The Lumiglas luminaire model USL15-UL, with requisite securing bracket, fits the following nominal sizes of sightglass:

Tye of fitting	fom DN	Hinged bracket	Flanged adapter
circular sightglass fitting DIN 28120/28121	50	+	-
Flow indicator	50	+	-
Srewed sightglass fitting DIN 11851	65	-	+
	80	+	-
	100	+	-
	125	+	-

**• Fastening with hinged bracket:**

The hinged bracket serves to secure the luminaire to the cover flange 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 flanged 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.

**• Replacement parts and ordering information:**

Component Halogen filament lamp		
Lamp Socket	Voltage/ Power	Part No.
G 6.35	24 V/50 W	3232.242.00
Ba 15d	120 V/100 W	3232.275.00
G 6.35	24 V/100 W	3232.244.00
Ba 15d	120 V/100 W	3232.272.00

**• Servicing:**

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

**• Operating conditions - general:**

- Independent of vessel internal pressure/vacuum.
- Max. permissible ambient temperature at cable entry gland 90° C.
- 50 W/100 W powered versions of the luminaires may only be used with non maintained push button switches!

**• Electrical data - general:**

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

**• Electrical connection:**

- Connecting cable (3 m) comes ready connected to the luminaire via 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 lampsocket 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.

Component	Part No.
Luminaire fixing hinged bracket	0527.008.00
Luminaire fixing flanged adapter DN65	1356.007.00
Push button	8531.016.00
Dust cap for push button	2330.014.00
Reflector	5904.058.00
Gasket 70,5 x 1,5 mm 80 Shore, Viton (backplate to body)	0853.010.00
Lamp socket Ba 15d	1202.013.00
Lamp socket (UL) 2-pin G 6.35	1202.025.00

All dimensions in mm unless stated otherwise. Subject to change without prior notice.  
min 02/05 0093.041.96