



Lumiglas Luminaire Series USL06

DATA SHEET 06.06

For use with sightglass fittings

Versatile luminaire is ideally suited for use with integral light/sight port (single flange version) or separate light and sight port (dual flange version).

Compact but Powerful:

Provides glare free illumination; fits bolted circular sightglass assemblies to DIN 28120/DIN 28121 or similar as well as screwed sightglasses similar to DIN 11851 and visual-flow-indicators. Sizes, depending on style, from DN 50 upward.

Excellent illumination by special designed ring and lens unit.

Application:

Illumination of the internals of vessels, tanks, bunkers, silos, mixers and other closed boilers and reactors and also visual flow indicators in non "Ex" hazardous production areas.

Suitable for use in foodstuffs processing.

Protection Index:

Dust and waterjet proof, IP 65 to EN 60529/DIN VDE 0470 part 1.

Ambient Conditions:

Independent of internal vessel pressure or vacuum, max. ambient temperature is 80° C at the cable gland, with ambient temperature in excess of 40° C, temperature resistant cable (e.g. 4GMH4G-J3x1,5 mm²) is required.

Electrical Data:

The unit is suited for AC or DC voltage, depending on type of Luminaire.

Power Supply:

without built-in-transformer
12 V... halogen lamp 20 W DC/AC
24 V... halogen lamp 20 W, 50 W or
100 W DC/AC
230 V... halogen lamp 50 W DC/AC
with built-in-transformer; PTC-secured fuse
120 V... halogen lamp 12 V/20 W AC
230 V... halogen lamp 12 V/20 W AC

Lamp socket: Please see table overleaf.

Transformers:

Available as separate units, AC mains to 12 V/24 V secondary output.

Additions:

- Lamp mounting hinged bracket or adapter flange (all stainless steel).
- Special claw spanner: for opening/tightening the lens ring.
- Installed automatic delay switch Lumiglas Timer, five minutes of operating time.
- External delay switch.
- Connection cable.

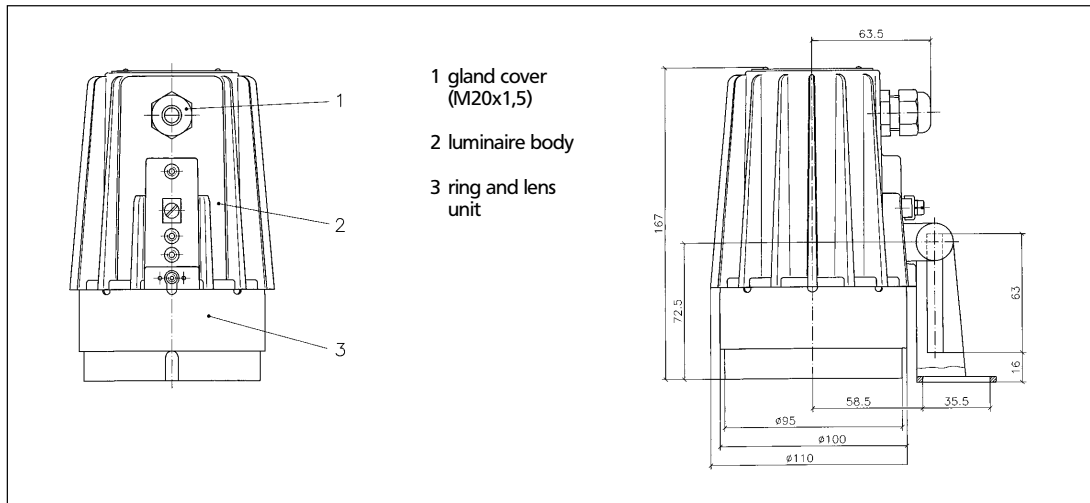


Lumiglas USL06 with hinged bracket fastening



Application as combined light/sight port, fitted to a circular sightglass assembly to DIN 28120; fastened with hinged bracket (Ex-type).

Dimensions and Connection data for Lumiglas Luminaire Series USL06



Parts, Construction and Materials

- **Luminaire body:** Corrosion resistant die cast aluminium GK-Al Si 12 Mg.
- **Light outlet:** Unit of aluminium ring, glass, rubber O-ring seal.
- **Fastenings:** Stainless steel (see under spares).
- **Weight:** 1,7 kg (ex power supply cable), 2,3 kg with built-in-transformer.

Connecting Data

Item	Typ USL06	Part Number	Supply Voltage	Built-in Transformer	Spare Halogen Lamp		
					Socket	Power Intake	Part-Number
1	(12 V) 20 W	3540.701.00	12	–	GY6.35	12 V/20 W	3232.240.00
2*	(24 V) 20 W	3540.711.00	24	–	G4	24 V/20 W	3232.206.00
3	(120 V/12 V) 20 W	3540.718.00	120	yes	GY6.35	12 V/20 W	3232.240.00
4	(230 V/12 V) 20 W	3540.720.00	230	yes	GY6.35	12 V/20 W	3232.240.00
5							
6	(24 V) 50 W	3540.737.00	24	–	GY6.35	24 V/50 W	3232.242.00
7	(230 V) 50 W	3540.740.00	230	–	E27	230 V/50 W	3232.246.00
8							
9	(24 V) 100 W	3540.748.00	24	–	GY6.35	24 V/100 W	3232.244.00

* Item 2 with integrated reflector in ring lens unit. All other items: the replaceable reflector is fitted to the lamp socket.

Ancillary equipment

Subject	Part Number
Luminaire mounting (hinged bracket)	0354.016.00
Luminaire mounting (adapter flange) for DN 65-100	1356.015.00
Special claw spanner	6805.001.00
Lumiglas-Timer	see data sheet 09.01

Note: The Lumiglas Luminaire USL06 is available in Ex (flameproof) form and also in a stainless steel form.

Ordering information:

e.g. Lumiglas-Luminaire Type USL06, 230 V/50 W (Part No. 3540.740.00) with hinged bracket (Part No. 0354.016.00) and claw spanner (Part No. 6805.001.00).

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