

Lumiglas Luminaire Series USL 07

- for use with sightglass fittings -

Application:

This compact, powerful luminaire can be used for integral light/sight port (single flange version) or separate light and sight ports (dual flange version) to illuminate the internals of visual flow indicators, pipelines, laboratory mixers and other vessels and reactors which are normally closed. This model is intended for use in all Non Hazardous Areas. The unit is suitable for food processing. The luminaire must never be inserted into a vessel wall as a sealing element, i.e. without appropriate sightglass disc and fitting.

Sightglass Styles:

This luminaire is designed to give glare free illumination in combination with sightglass styles as follows:

- bolted circular flanges Model DIN 28120, DN50 and larger
- circular screwed flanges Series MV, DN 100 and larger
- visual flow indicators (tubular or flat glass), 3" and larger
- sanitary clamp connection, 3" and larger

Protection:

Dust and waterjet proof to IP 65, according to DIN EN 60529/DIN VDE 0470, Part 1 and NEMA 4.

Ambient Condition Operating Range:

This unit is suitable for ambient temperatures of 80°C at the cable gland. It is independent of internal vessel pressure or vacuum. When ambient temperature exceeds 40°C, consult factory when ordering. Temperature resistant cable is necessary.

Power supply:

The unit can be fitted with various halogen lamps, and thus is suited for AC or DC voltage.

- without built-in transformer
 - supply 24 V; halogen lamp 50 W or 100 W
 - supply 230 V; halogen lamp 50 W or 100 W
 - supply 120 V; halogen lamp 35 W, 50W or 100 W
- with built-in transformer
 - supply 230 V; halogen lamp 12V/20 W

Lamp sockets:

see table on following page

Transformers:

Transformers with 12V or 24 V secondary voltage are optionally available

Additional Information:

- DN 50 to DN 125 for light ports only
- DN 125 to DN 200 for single flange light/sight ports
- special claw spanner: for opening/tightening the lens ring
- installed automatic delay switch Lumiglas Timer, 5 minutes of operation time

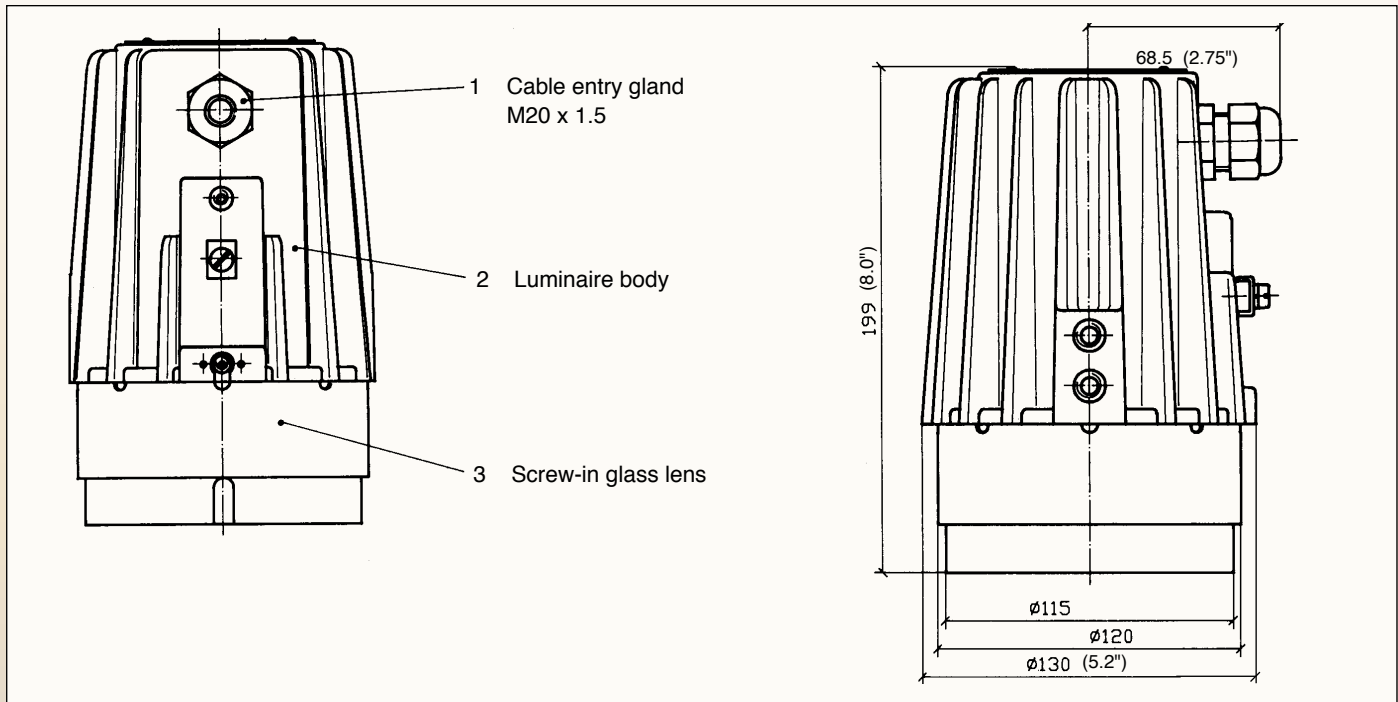


Lumiglas USL 07 with fastenings



Lumiglas USL 07 installed on a circular sightglass DIN 28120

Dimensions and Connection Data for Lumiglas Luminaire type USL 07



Parts, Construction and Materials:

- Luminaire body: Corrosion resistant die cast aluminium, G-Al Si 10 Mg
- Light window: Unit of aluminium ring, glass, rubber ring seal
- Fastenings: See under "Spares", G-Al Si 10 Mg

Weight: 4.5 lb. (ex power supply cable), 6.5 lb. with built-in transformer

Connecting Data:

Pos.	Type USL-07	Model Number	Supply Voltage	Integrated Transformer	Halogen Lamp		
					Socket	Power Intake	Part Number
1	(24V) 50W	USL07-H50	24 ≈	without	GY6.35	24 V / 50 W	BLB H50 GYN
2	(230V) 50W	USL07-E50	230 ≈	without	E27	230 V / 50 W	BLB E50 E27
3	(230/12V) 50W	USL07-ET50	230 ~	with	GY6.35	12 V / 50 W	BLB L50 GYN
4*	(120V/12V) 50W	USL07-N35	120 ~	with	GY6.35	120 V / 50 W	BLB N35 E26S
6*	(230V) 75W	USL07-N100	230 ≈	without	E27	230 V / 75 W	BLB N100 E26F
8	(24V) 100W	USL07-H100	24 ≈	without	GY6.35	24 V / 100 W	BLB H100 GYN
9	(230V) 100W	USL07-E100	230 ≈	without	E27	230 V / 100 W	BLB E100 E27

* Use in ambient temperature environment less than 100°F

Accessories:

Item	Component	Part No.
1	fixture for luminaire, straight, DN 50 to 100	0354.005.00
2	fixture for luminaire, angled, DIN 125 to 200	0354.006.00
3	Lumiglas timer module, integrated, for individually timed illumination, 5 min.	On request
4	Lumiglas timer, module, external, for individually timed illumination, Lumiglas Ex timer switch	On request
5	claw spanner for screw-in lens for opening the luminaire	6805.002.00

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