

## Lumistar Luminaire USL 06

CE

3755.176 g

- **For use with sight glass 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 sight glass assemblies to DIN 28120/DIN 28121 or similar as well as screwed sight glasses 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.

The maximum ambient temperature for halogen lamp version is 80°C at the cable gland. With ambient temperature in excess of 40°C, temperature resistant cable (e. g. Sinotherm 110 HO5GG-F 3G 1,5 mm<sup>2</sup>) is required.

The maximum ambient temperature for the LED version is 40°C. On no account may the luminaire be used as a closure/means of sealing of a (pressure) vessel i. e. without a suitable sight glass fitting.

- **Caution:** Do not look into light – Danger of impaired eyesight!

- **Power supply:**

without built-in-transformer:

12 V AC/DC	halogen lamp 20 W
24 V AC/DC	halogen lamp 20 W, 50 W or 100 W
230 V AC/DC	halogen lamp 50 W

with built-in-transformer; PTC-secured fuse:

120 V AC	halogen lamp 12 V/20 W
230 V AC	halogen lamp 12 V/20 W

LED variant:

24 V AC/DC	LED 4 W
230 V AC	LED 5 W

- **Lamp socket:**

Please see table overleaf

- **Transformers:**

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

- **Additions:**

- Mounting hinged bracket or adapter flange (all stainless steel)
- Special claw spanner: for opening/tightening the lens ring
- Internal or external delay switch
- Installed automatic delay switch Lumiglas timer, operating time: five minutes
- Connecting cable
- Push button



Lumistar luminaire USL 06



Application as combined light/sight port, fitted to a circular sight glass assembly to DIN 28120; fastened with hinged bracket



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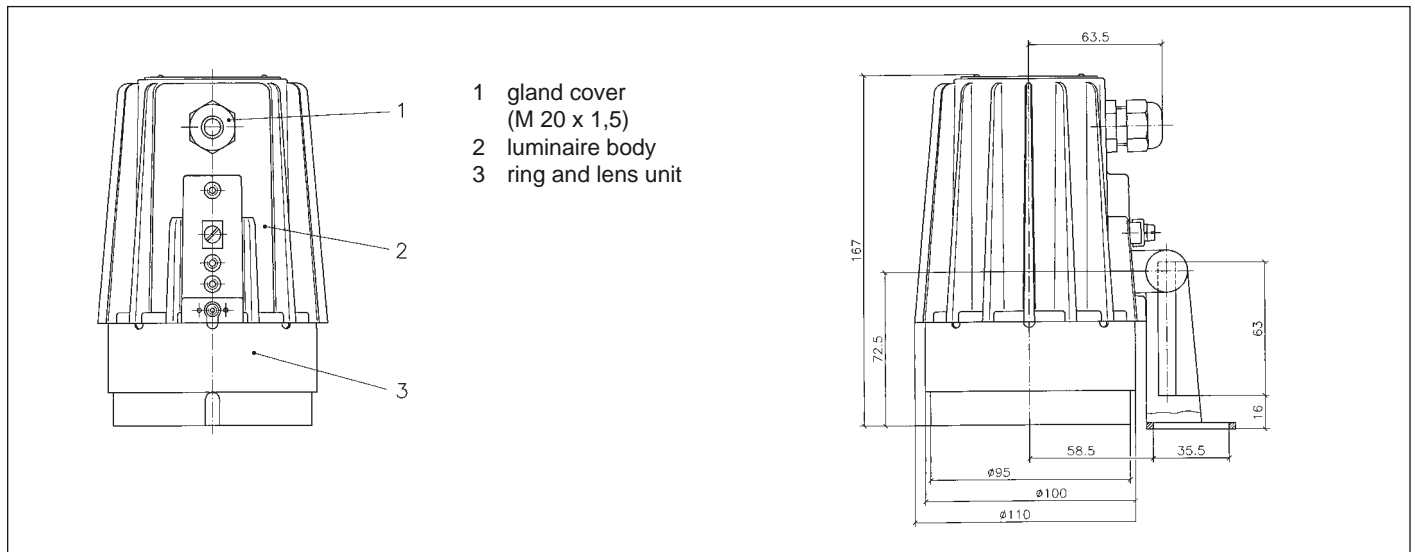
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**PAPENMEIER**

• **Dimensions and connection data for Lumistar luminaire USL 06:**



• **Parts, construction and materials:**

- Luminaire body: Corrosion resistant die cast aluminium GK-Al Si 12 Mg
- Light outlet: Unit of aluminium ring and glass, gasket O-ring
- Fastenings: Stainless steel (see under spares)

• **Weight:** 1.7 kg (without integral transformer), 2.3 kg (with integral transformer)

• **Connecting data:**

Lumistar luminaire USL 06					Replacement parts: Halogen lamps/LED illuminants			
Item	Type USL 06	Part no.	Supply	Integral transformer	Socket	Power	Part no.	
1	(12 V) 20 W	3540.701.00	12 ≈	without	GY6.35	12 V/20 W	3232.240.00	halogen
2*	(24 V) 20 W	3540.711.00	24 ≈	without	G4	24 V/20 W	3232.206.00	halogen
3	(120 V/12 V) 20 W	3540.718.00	120 ~	with	GY6.35	12 V/20 W	3232.240.00	halogen
4	(230 V/12 V) 20 W	3540.720.00	230 ~	with	GY6.35	12 V/20 W	3232.240.00	halogen
5**	(120 V/12 V) 20 W	3540.768.00	120 ~	with	GY6.35	12 V/20 W	3232.240.00	halogen
6	(24 V) 50 W	3540.737.00	24 ≈	without	GY6.35	24 V/50 W	3232.242.00	halogen
7	(120 V) 50 W	3540.741.00	120 ~	without	GY6.35	120 V/50 W	3232.265.00	halogen
8	(230 V) 50 W	3540.742.00	230 ≈	without	GZ10	230 V/50 W	3232.261.00	halogen
9	(24 V) 100 W	3540.748.00	24 ≈	without	GY6.35	24 V/100 W	3232.244.00	halogen
10	(24 V) 4 W	3541.526.00	24 ≈	without	GU5.3	4 W	3233.005.00	LED
11	(230 V) 5 W	3541.528.00	230 ~	without	GZ10	5 W	3233.029.00	LED

\* with integrated reflector in ring lens unit

\*\* with terminal box

• **Accessories:**

Item	Part	Part no.
1	luminaire mounting (hinged bracket)	0354.016.00
2	luminaire mounting (adapter flange) for DN 65-100	1356.015.00
3	special claw spanner	6805.001.00
4	Lumiglas timer	on request

• **Order data:**

e. g. Lumistar luminaire USL 06, 230 V/50 W (part no. 3540.742.00) with hinged bracket (part no. 0354.016.00) and claw spanner (part no. 6805.001.00)

All dimensions in mm unless stated otherwise. Picture credits: ©F.H. Papenmeier GmbH & Co. KG. Subject to change without prior notice. 03.20