

Lumistar Luminaire USL 06

- **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 mm²) 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.

- **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

CE

also available
in LED-technology

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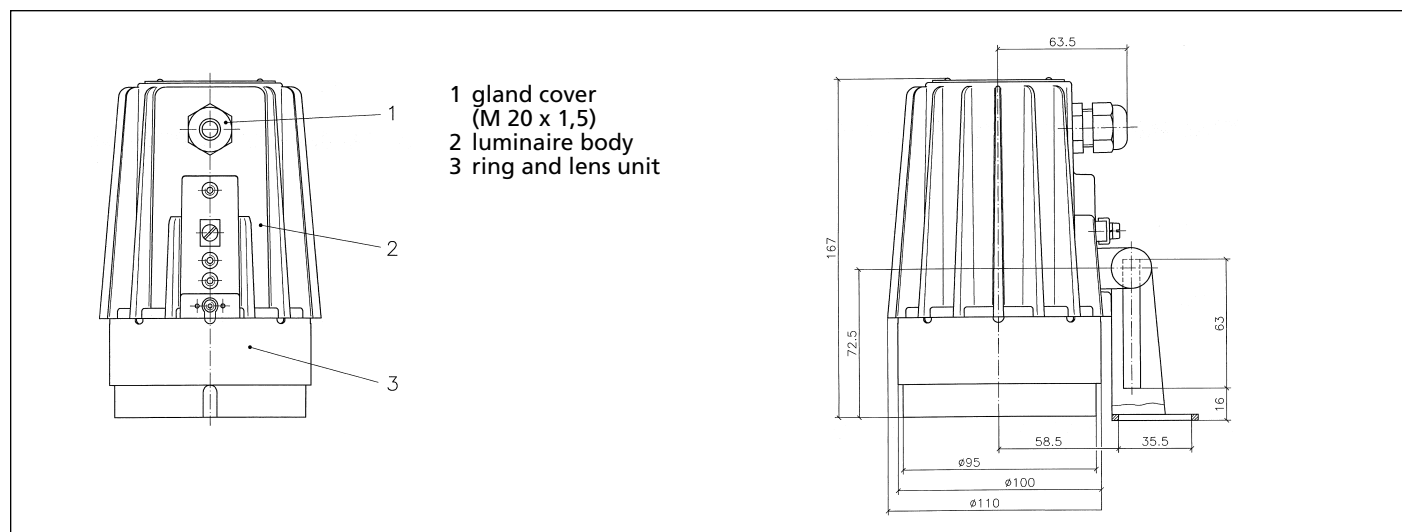


Lumistar luminaire USL 06



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

• 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	3232.005.00	LED
11	(230 V) 5 W	3541.528.00	230 ~	without	GZ10	5 W	3232.029.00	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. Subject to change without prior notice. 04.16