

## Lumiglas 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, maximum ambient temperature 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 1,5mm<sup>2</sup>) is required. 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.
- **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
  - Internal or external delay switch
  - Connecting cable

CE

also available  
in LED-technology

3755.176 c  
Data Sheet 06.06



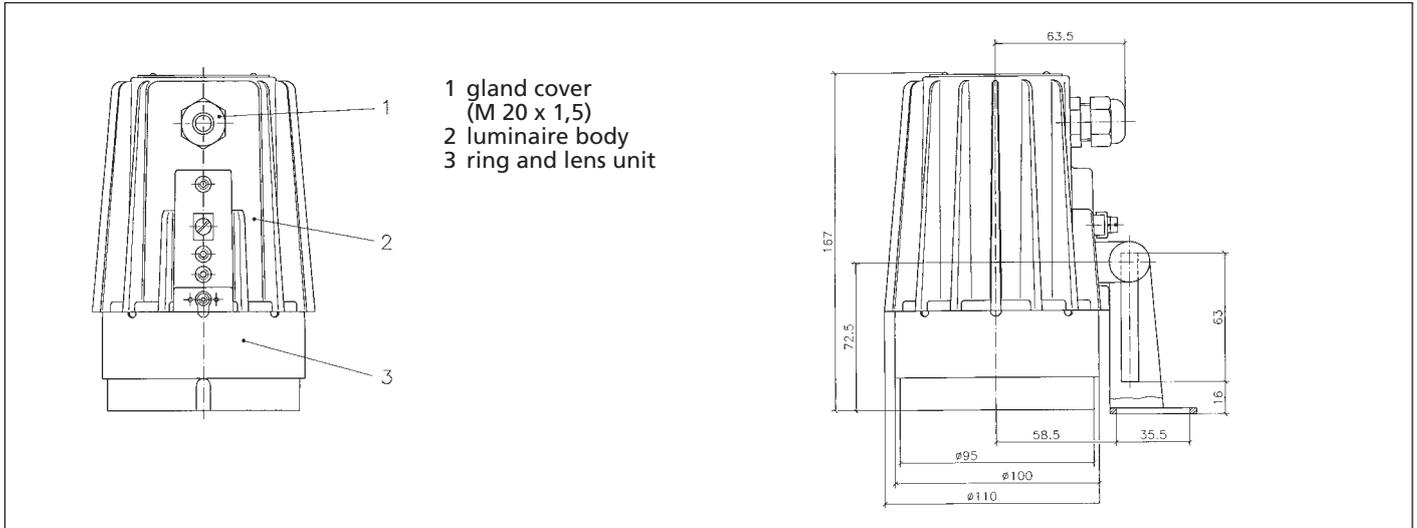
Lumiglas luminaire USL 06 with hinged bracket fastening



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



• **Dimensions and connection data for Lumiglas 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:**

Lumiglas luminaire USL 06					spare halogen lamp		
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
2*	(24 V) 20 W	3540.711.00	24 ≈	without	G4	24 V/20 W	3232.206.00
3	(120 V/12 V) 20 W	3540.718.00	120 ~	with	GY6.35	12 V/20 W	3232.240.00
4	(230 V/12 V) 20 W	3540.720.00	230 ~	with	GY6.35	12 V/20 W	3232.240.00
5**	(120 V/12 V) 20 W	3540.768.00	120 ~	with	GY6.35	12 V/20 W	3232.240.00
6	(24 V) 50 W	3540.737.00	24 ≈	without	GY6.35	24 V/50 W	3232.242.00
7	(120 V) 50 W	3540.741.00	120 ~	without	GY6.35	120 V/50 W	3232.265.00
8	(230 V) 50 W	3540.742.00	230 ≈	without	GZ10	230 V/50 W	3232.261.00
9	(24 V) 100 W	3540.748.00	24 ≈	without	GY6.35	24 V/100 W	3232.244.00

\* 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. Lumiglas 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. 07.13