

LED-illuminated Sight Glass Type GA-LED

GA-LED type illuminated portholes enable the integration of high-performance lighting through LED technology with the enhanced visibility of our DIN28120 or other portholes. The incorporation of new compact OSRAM LEDs directly into the porthole counter-flange yields a compact, aseptic, and durable assembly, providing long-lasting illumination with minimal maintenance requirements.

Application:

Inspection of the interiors of tanks, cisterns, reactors, vats, silos, agitators, and similar structures.

Terms of Service:

Supply voltage: 24VDC (direct current). Maximum ambient temperature at the cable gland: 80°C. The GA-LED porthole maintains the specifications of DIN28120 ports for pressure resistance.

Protection:

Dust and splash resistant, IP65 in accordance with EN 60 529.

Nomenclatures:

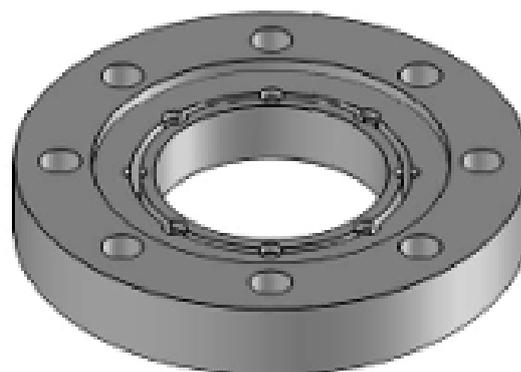
- Flange material: stainless steel 1.4404, 1.4307, P265GH steel, S235, or others. Supplied with 5 meters of cable (available upon request). Push button and transformer are optional.
- Front and compact LED: 24V DC 1W/LED High-Intensity White LEDs
- color temperature 4800 K
- Angle 45 degrees
- Tension 24V remains consistent.
- White hue
- LED operating temperature: -40 to +80 °C
- Approximate lifespan: 50,000 hours.

Montage:

After welding the flange onto or into the tank wall, as illustrated in the figure, the gaskets, glass, and GALED counter-flange will be secured by DIN933 screws. The screws must be tightened gradually in a cross pattern.



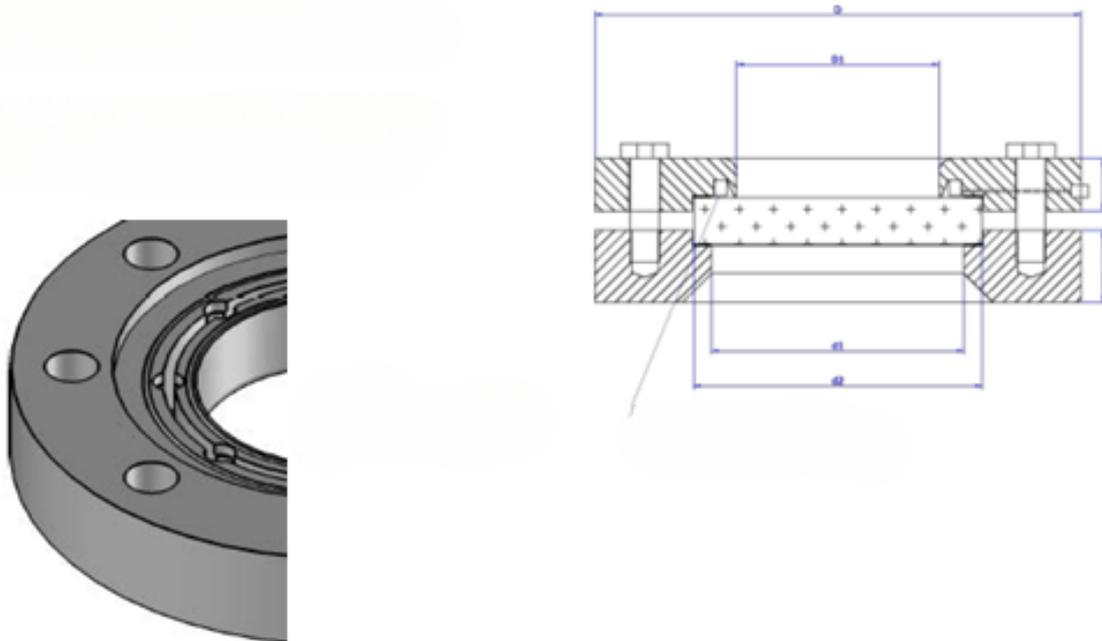
LED 24VDC 1W



GALED DN100 8XLEDs 1W

<https://www.gallet-fr.com>

Dimensions of Sight Glass in accordance with DIN 28120 / PN 10/16 featuring a GA-LED counter flange.



Type		GL50	GL80	GL100	GL125	GL150	GL250	GL200	GL300
Sight glass DIN 28120	DN	50	80	100	125	150	250	200	300
DIAM. Enhanced Clarity	D1	60	80	105	125	150	245	195	290
PN (Bars)		16	10	10	10	10	6	10	1
DIAM. of internal perspective	d1	80	100	125	150	175	275	225	325
Glass	d2	100	125	150	175	200	300	250	350
	S	15	15/20	20 / 25	20 /25	25 / 30	30	25 / 30	19
flanges	D	165	200	220	250	285	395	340	445
	K	125	160	180	210	240	350	295	400
	h1	20	20	25	25	30	30	30	30
	h2	30	30	30	30	36	36	36	36
Assembly fasteners	NB	4	8	8	8	8	12	8	12
NB LED	NB	4	6	8	8	10	12	10	12

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