

## LED-illuminated sight glass Type GA-LED

GA-LED type illuminated sight glass enable the integration of high-performance lighting through LED technology with the enhanced visibility of our DIN28120 or other sight glass. The incorporation of an LED light strip directly within the counter-flange of the sight glass results in a compact, aseptic, and durable assembly, providing long-lasting illumination that necessitates minimal maintenance.

### Application:

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

### Terms of Service:

- Supply Voltage: 12V
- Maximum ambient temperature at the gland: 70 °C.
- The GA-LED sight glass maintains the attributes of DIN28120 portholes regarding pressure resistance.

### Protection:

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

### Nomenclatures:

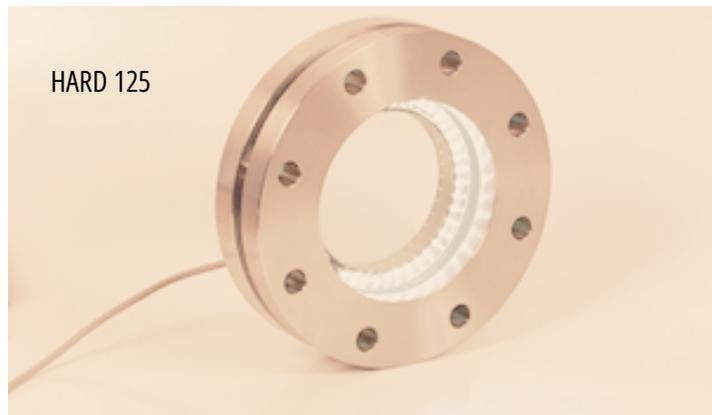
- Flange material: stainless steel 1.4404, 1.4307, P265GH, S235, or alternative steel.
- Included are 3 meters of cable, a push button, and an optional transformer.

### Flexible LED strip lighting:

- brightness 6000 lumens
- Angle 120°
- Tension 12V remains consistent.
- White hue

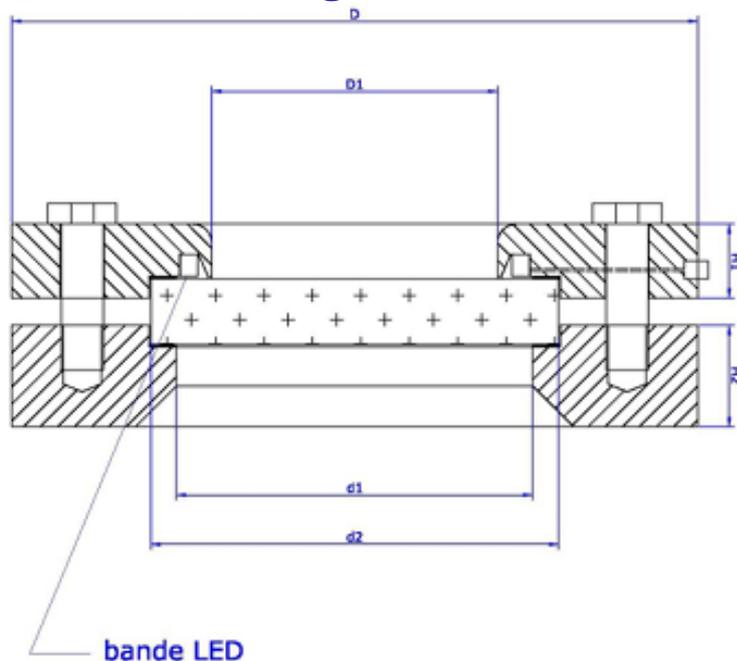
### Montage:

- 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(6) screws. The screws must be tightened gradually and in a cross pattern.



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



Reference	/	GL50	GL80	GL100	GL125	GL150	GL200	GL250	GL300
Hublot DIN 28120	DN	50	80	100	125	150	200	250	300
increased visibility	D1	70	90	115	135	160	205	255	300
PN (bars)	PN	16	10	10	10	10	10	6	1
Ø of internal perspective	d1	80	100	125	150	175	225	275	325
Glass	d2	100	125	150	175	200	250	300	350
	S	15	15/20	20/25	20/25	25/30	25/30	30	19
Flanges	D	165	200	220	250	285	340	395	445
	K	125	160	180	210	240	295	350	400
	h1	20	20	25	25	30	30	30	30
	h2	30	30	30	30	36	36	36	36
Fastening screws	nb	4	8	8	8	8	8	12	12

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