

SIGHT GLASSES, LIGHT FITTINGS

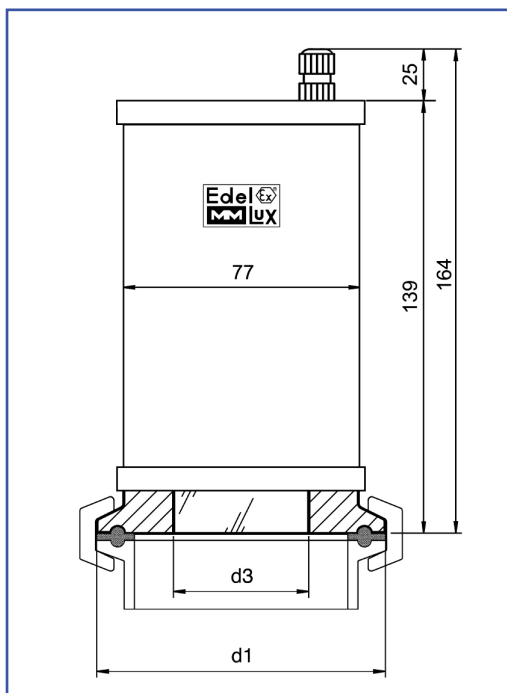


Sightglass light fittings type: metaClamp®

Hazardous sightglass light fittings
from stainless steel



Sightglass light fitting, type EdelEx STERI-LINE 20 dH, 24 V, 20 W, Ex d IIC T4 Gb, Ex t IIIC T130 °C Db IP67, Ex II 2 G + D, on metal fused sightglass, DN 100



Application:

- On metal fused sightglasses for Triclamp fittings to DIN 32676 / ISO 2852 for the optimal illumination of small and pilot reactors as well as vessels for sterile and aseptic applications, mainly in the pharmaceutical, biotechnological, cosmetic and food processing industries.
- On demand also available for mounting on metal fused sightglasses for Triclamp fittings in aseptic version to DIN 11864-3.

Advantages:

- Brilliant and glare free illumination
- Easy installation
- Extremely small dimensions
- High security
- For sterile applications

Type designation	EdelEx 5 dH	EdelEx 10 dH	EdelEx 20 dH	EdelEx d LED	EdelEx d PowerLED
Nominal rating (W)	5	10	20	2	7
Terminal voltage (V)	24, 36, 42, 115, 230, 240 V AC with integrated transformer 12 V AC / DC without integrated transformer		12 / 24 V AC / DC without integrated transformer	24 V AC / DC	24 V AC / DC 230-240 V AC
Light source	Halogene			LED	
Housing	Stainless steel				
Protection mode	IP 65				IP 65 / 67
	Dust tight and protected against the effects of temporary immersion to EN 60529 / DIN VDE 0470 part 1				
Ignition protection type to EN 60079-0 / 60079-1 / 60079-28 ¹⁾ / 60079-31	Ex d IIC Gb Ex t IIIC Db			Ex d op is IIC Gb Ex tb IIIC Db	
Explosion groups	IIC / IIIC				
Temperature classes G / D ²⁾	T6 / T80 °C	T4 / T130 °C		T6 / T80 °C	
ATEX	Ex II 2 G + D				

¹⁾ Only for type EdelEx d PowerLED ²⁾ T_a = -20 °C / +40 °C (T_a up to +60 °C on request)

For technical details see data sheet EdelEx 5 dH / 10 dH / 20 dH and EdelEx d LED / PowerLED

Metal fused sightglass:

- Approvals: A3 Standard for food processing
- Test base: DGRL 97 / 23 / EG, AD 2000 standards, DIN 7079-1 May 1999
- Materials to VdTUV specifications and the respective DIN/EN standards
- Glass quality: Borosilicate glass to DIN 7080
- Certificates to DIN EN 10204 may be supplied against extra charge
- Pressure: -1 to 10 / 16 bar (see table)
- Temperatures: Ring materials: 1.4462: -30 °C to +280 °C
2.4602 / 2.4610: -60 °C to +300 °C

Nominal diameter (DN)		d1	d3	Max. operating pressure (bar)
(mm)	(inch)			
25 / 32 / 40	1", 1½"	50,5	25	16
50	2"	64	30	16
-	2½"	77,5	34	16
65	3"	91	35	10
80	3½"	106	35	10
100	4"	119	35	10