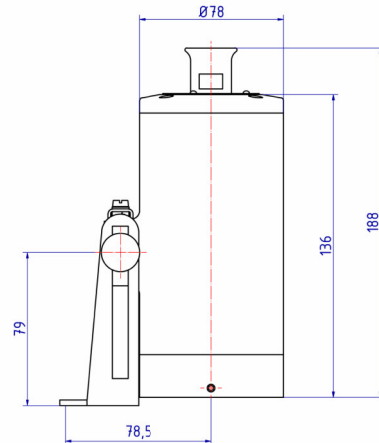


Luminaire ASL55-LED (Alu) and ESL55-LED (Stainless Steel) for Ex



Application:

- For illuminating visual flow indicators, pipelines, laboratory mixers, bio-reactors as well as the interior of tanks, hoppers, silos, agitators and other, normally closed, vessels and reactors in potentially explosive environments.
- Gas: Zones 1 and 2, Dust: Zones 21 and 22.
- Ideal for applications in sterile areas

Operating conditions

- Independent of the internal pressure/vacuum in the vessel. On no account should a sight glass luminaire be used as a substitute for the cover flange or instead of the complete sight glass flange assembly or on its own to close a vessel port

Operating temperature

- Maximum ambient temperature allowed: -20°C - 40°C

Protection class:

- IP 65 and IP 67 according to DIN EN 60529

Operating voltage:

- 24 V AC/DC – 11 W/15 W
- 110-230 V AC – 11 W/15 W
- Protected by 1A miniature fuse
- Equipped with 4 or 7 high-power LED

Optional equipment:

- Luminaire mounting bracket (hinged)
- Luminaire mounting attachment, flanged adapter collar MV65
- Ex-Timer switch
- Connecting cable

Advantages

- vibration-proof
- long service life and operational reliability
- continuous LED operation up to around 50,000 hours
- optimal for fittings that are difficult to access
- no heat radiation in the light aperture (cold light)
- no unwanted additional heat in chemical or biological processes
- extremely high-contrast illumination
-

Materials:

- Luminaire body and luminaire head (cover):
- ASL 55-LED: aluminum alloy
- ESL 55-LED: stainless steel 1.4404, polished
- Cable gland M20 x 1.5
- Light diffuser as a unit, made of ring (aluminum or stainless steel) and glass Mounting flap hinge: stainless steel 1.4301 (to be ordered separately).

Luminaire ASL55-LED (Alu) and ESL55-LED (Stainless Steel) for Ex

Technical data Ex protection

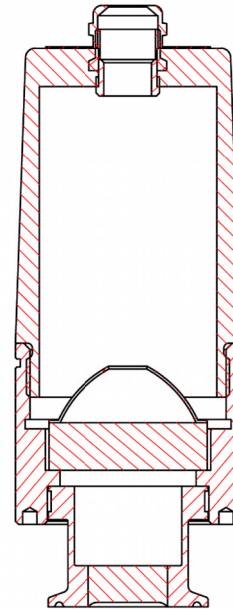
- This luminaire meets the essential safety and health requirements by complying with the regulations for
- Gas:
EN 60079-0: 2012 + A11: 2013 - General Requirements
EN 60079-1: 2014 - Flame-proof Enclosures ,d'
Explosionsgruppe: -IIC (includes IIA and IIB)
Temperature class T6
- Dust:
EN 60079-0: 2012 + A11:2013 - General Requirements
EN 60079-31: 2014 - Protection by Enclosures ,t'
Explosion group: IIIC (includes IIIA and IIIB)
Temperature class: T80°C
- EU-Type Examination Certificate:
BVS 09 ATEX E 169 , II 2G Ex db IIC T6 Gb
II 2D Ex tb IIIC T80°C Db

Cable gland types

- HSK-M-Ex-d, M20x1,5,1.4404 (by Hummel)
- KU1BPM20-Ex-d-Alpha X M20x1,5, stainless steel (by RST)

Cable types

- EVA-flexible sheathed cable, Sinotherm 110, 3x1,5 qmm, ø 8,5 mm
- Ölflex Heat 180, 3x1,5 qmm, ø 8,9 mm
- Ölflex Heat 180, Silflex UR-AWG18, 5x1,0 qmm, ø 10,3 mm
- Ölflex Classic 110 Black, 3x1,5 qmm, ø 10,1 mm



Sightglass luminaire ESL55 mounted on Metaclamp for NA-Connect flange

Type	Voltage	Illuminant	Power and beam angle	Luminous flux
ASL 55-LED	24 V $\simeq$	4	11 W - 11° / 26°	630 lm / 520 lm
ASL 55-LED	24 V $\simeq$	7	15 W - 11° / 26°	1100 lm / 930 lm
ASL 55-LED	120-230 V $\simeq$	4	11 W - 11° / 26°	630 lm / 520 lm
ASL 55-LED	120-230 V $\simeq$	7	15 W - 11° / 26°	1100 lm / 930 lm
ESL 55-LED	24 V $\simeq$	4	11 W - 11° / 26°	630 lm / 520 lm
ESL 55-LED	24 V $\simeq$	7	15 W - 11° / 26°	1100 lm / 930 lm
ESL 55-LED	120-230 V $\simeq$	4	11 W - 11° / 26°	630 lm / 520 lm
ESL 55-LED	120-230 V $\simeq$	7	15 W - 11° / 26°	1100 lm / 930 lm