

LUMISTAR EX LAMPER, ATEX

Aluminium

P-L3541.011.00
USL 06-Ex skueglas lampe 120V-12V/20W



- Alle Ex skueglas lamper er godkendte til Zone 1
- Forsyningsspænding afhængig af type:
12V/24V/120V/230V
- Effekt afhængig af størrelse: 20W, 50W, 100W
- Anvendelig til skueglas armatur DIN28120/DIN28121 og DIN11851
- De fleste i beskyttelsesklasse IP 65 og IP 67 iht. DIN EN 60529



PRODUKTBEKRIVELSE

Lumistar Ex lamper til montering på glasfittings:

Denne type belysning til skueglas er designet til universelle anvendelser i eksplosionsfarlige omgivelser. Lumistar Ex lamper er ideelle til brug i kombineret syns- og lysanordning (enkeltflange version) eller med to separate porte (2-flange version).

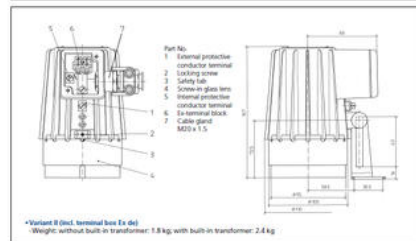
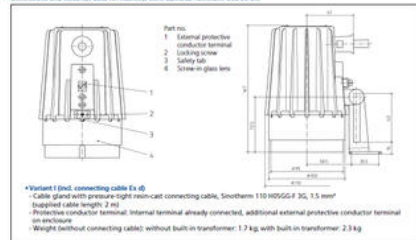
Kompakt design - kraftig lysudgang:

Egnet til cirkulære blikglasbeslag til DIN 28120 / DIN 28121 eller lignende, skruetype glasfittings i overensstemmelse med DIN 11851 og til visuelle flowindikatorer.

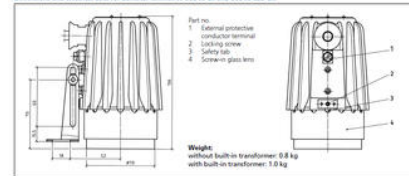
Generøs lysåbning og bekvem lampeudskiftning takket være optimalt designet skruet linselukning.

Anvendes til belysning af tanke, beholdere, siloer, omrørere og andre for det meste lukkede applikationer, beholdere og reaktorer samt visuelle flowindikatorer i eksplosionsfarlige omgivelser. Velegnet til brug i fødevarerindustrien.

• Dimensions and electrical data for stainless steel luminaire USL 06-Ex



• Dimensions and electrical data for luminaire luminaires USL 05-Ex and USL 05-LED-Ex



• Components, design and materials:

- Body of luminaire: Corrosion resistant die-cast aluminium alloy, GK-ALSi10Mg
- Cable gland with pressure-tight resin-cast connecting cable, Sinotharm 110 H05GG-F 3G, 1.5 mm², standard cable length: 2 m
- Protective conductor terminal: Internal terminal already connected, additional external protective conductor terminal on enclosure
- Light rec.: Bonded unit made of aluminium ring and glass, V600 seal
- Fastening components: See accessories

• Connecting data, temperature classification and electrical parameters (see also: EC Type Examination Certificate)

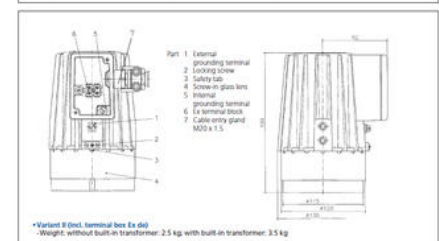
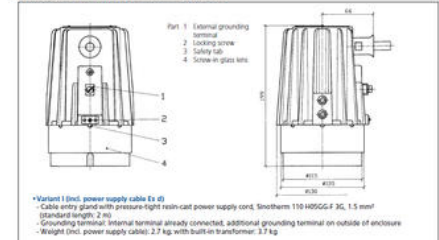
Item	Type USL 05-Ex	Part No.	Voltage	Bulb/Power	Maximum lamp or LED-Fluorescent Voltage	Socket	Ambient temperature range
1	12 V/5 W	3540 031 00	12 V	without	12 V/5 W	G4	-20°C ≤ t _a ≤ +40°C, -20°C ≤ t _a ≤ +40°C
2	120 V/12 V/5 W	3540 032 00	120 V	with	12 V/5 W	G4	25 T4, 2D T180°C, 25 T4, 2D T130°C
3	230 V/12 V/5 W	3540 033 00	230 V	with	12 V/5 W	G4	25 T4, 2D T180°C, 25 T4, 2D T130°C
4							
5	12 V/20 W	3540 035 00	12 V	without	12 V/20 W	G4	25 T4, 2D T180°C, 25 T3, 2D T130°C
6	24 V/20 W	3540 037 00	24 V	without	24 V/20 W	G4	25 T4, 2D T180°C, 25 T3, 2D T130°C
7							
8							
9	230 V/4 W-LED	3540 039 00	230 V	without	230 V/4 W-LED	G210	-

• Order data:
0 Luminaire luminaires USL 05-Ex, 12 V/20 W; Part no. 3540 035 00, with accessories: hinged bracket, Part no. 635A 814 00 and claw spanner, Part no. 6816 001 00

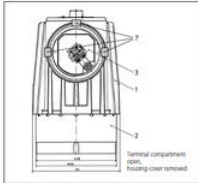
• Accessories:

No.	Component	Part No.
1	Luminaire mounting, hinged brackets, stainless steel	635A 014 00
2	Luminaire mounting, flanged adapter collar, stainless steel	135A 010 00
3	Lumiglas timer module, Ex timer switch, external, for timed light switching on request	on request
4	Claw spanner for screw-in lens, for opening the lamp	6816 001 00

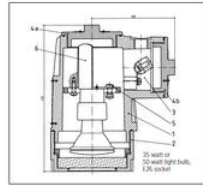
• Dimensions and electrical data for luminaire luminaires USL 09-Ex



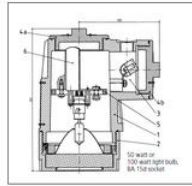
Dimensions and electrical data for Luminaire luminaires USL 08 Ex:



- Part**
- 1 Body of luminaire
 - 2 Screw-type lens
 - 3 Terminal compartment with terminals
 - 4a Housing cover for replacing light bulb
 - 4b Housing cover for terminal compartment
 - 5 Screw with self-locking nut for light bulb socket
 - 6 Mounting bracket for light bulb socket
 - 7 3 opening with M12 x 1 thread for cable entry options



- Terminal compartment open, housing cover removed**
- Body of luminaire made of non-corrosive cast aluminum alloy, G6-AS10Mg
 - Light aperture as unit made of aluminum ring and glass with O-ring seal
 - Fastening parts: low Assenorm G-AS10Mg
 - Weight: 2.2 kg



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Parts, design and materials:

- Luminaire shell 40 and end cover (D)
 - AISI 304 stainless steel aluminum alloy
 - ES: 55-LED: stainless steel 1.4304
 - Screwed cable gland M20 x 1.5 (E)
 - Light port as a unit consisting of a ring
 - Aluminum or stainless steel and glass (B)
 - Mounting with hinged bracket (D) stainless steel 1.4301 (D) to be ordered extra)
- Weight:** AISI 304-LED: 1.4 kg; ES: 55-LED: 3.6 kg

Accessories - to be ordered separately:

- Mounting hinged bracket, part no. 0354.025.00
- Mounting attachment flanged adapter collar for use with screw-type light glass fittings (on request)
- Time dim module, external, for time-dependent lighting
- Pushbutton or switch
- Optional 10° or 25° light aperture reflector

Mechanical installation:

When installing the round light glass fitting on the light flow indicator, the luminaire is mounted on the cover flange with the hinged bracket. With the screw-type light glass fitting, the lamp is mounted on the ground nut or by means of a flange attachment - see (E) below.

The Luminaire luminaires ASL 55-LED is compatible with the following external dimensions:

- a) Circular light glass fitting acc. to DIN 28120; DN 40
 - b) Circular light glass fitting acc. to DIN 28120; DN 40
 - c) Light glasses in flow indicator; DN 50
 - d) Screw-type light glass fittings similar to DN 11651
- DN 50 is mounted by use of a separate flange attachment - from DN 80 up, the unit is secured using the hinged bracket.

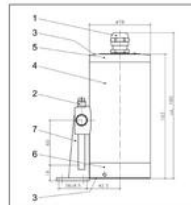
Luminaire luminaires ASL 55-LED and ES: 55-LED have a special adapter in the light port as a standard feature, making this type of lamp ideal for applications in electric and sterile environments. Excellent results are assured by using light glasses fused to a metal frame METAGLASS and with the BioControl (BIOUMCO) range of products. METAGLASS combines optimally with lamp fittings METAGLASS, as well as with the BioConnect technology.

For Luminaire luminaires intended for sterile environments, the following installation and fastening method is preferable:

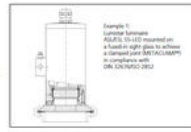
The luminaire is fitted over the flanged male outlet on the cover flange, where it is secured in place. An O-ring inserted between the two effectively seals the closure to the light port. An alternative is to mount the luminaire by means of an adapted ground nut acc. to DIN 2324/ISO 2852.

The mating flange to the changed connection is a special metal-glass joint, see example 1.

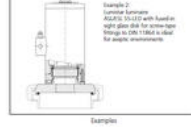
When used with screw-type light glass fittings, the metal-glass ring is provided with a seal-ring by use of which the luminaire is fitted. An O-ring is inserted to seal the joint, tightening the clamp then provides the necessary closing pressure, see Example 2.



Dimensions for Luminaire luminaires ASL 55-LED and ES: 55-LED

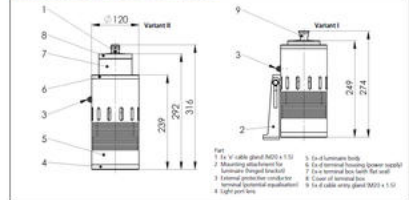


Example 1: Luminaire luminaire ASL 55-LED mounted on a flange with a seal-ring



Example 2: Luminaire luminaire ASL 55-LED with seal-ring

Dimensions and electrical data for Luminaire luminaires ASL57LED-Ex:



- Part**
- 1 2x 2x V cable gland M20 x 1.5
 - 2 2x 2x V cable gland M20 x 1.5
 - 3 2x 2x V cable gland M20 x 1.5
 - 4 2x 2x V cable gland M20 x 1.5
 - 5 2x 2x V cable gland M20 x 1.5
 - 6 2x 2x V cable gland M20 x 1.5
 - 7 2x 2x V cable gland M20 x 1.5
 - 8 2x 2x V cable gland M20 x 1.5
 - 9 2x 2x V cable gland M20 x 1.5

- Components, design and materials:
- Luminaire body (D) and cover of terminal box (E): Aluminum
- Ring (E) and (D): plate finish RAL 9007
- Light port lens (E): Unit consisting of ring flange (aluminum alloy EN-AB-2007), plate finish RAL 9007, and borosilicate glass
- Hinged mounting bracket (D): Stainless steel 1.4301 base (optional)
- Cable gland (E): M20 x 1.5
- Weight (with 2 m connecting cable): 4.6 kg

Connecting data: Temperature classification and electrical parameters: low voltage (C) Type Examination Certificate:

Item	ASL57LED-Ex	Part No.	Voltage V	Mounting	Ambient temperature range 20°C T _a = +40°C
Variant I (with connecting cable 2 m)					
1	04 V 25 W	3541.484.00	24	1 high-power LED	25 T ₈ 20 T ₈ 20 T ₈ 20 T ₈
2	120-230 V 25 W	3541.482.00	120-230	1 high-power LED	25 T ₈ 20 T ₈ 20 T ₈ 20 T ₈
Variant B (with hinged terminal box)					
1	04 V 25 W	3541.483.00	24	1 high-power LED	25 T ₈ 20 T ₈ 20 T ₈ 20 T ₈
4	120-230 V 25 W	3541.481.00	120-230	1 high-power LED	25 T ₈ 20 T ₈ 20 T ₈ 20 T ₈

For variant I, only combinations of the following cable entry glands and cables should be used:

Cable gland type	Cable types
M20 x 1.5, part no. 9103.123.00	DVA Ecoflex sheathed cable, Southern 110, p. no. 3403.017.00, 3x1.5 mm ² at 8.5 mm
M20 x 1.5, metal-plated brass (by Hummel)	Offize heat 180, part no. 3403.040.00, 3x1.5 mm ² at 8.9 mm
FD100M20 (in alpha 8 part no. 9103.130.00)	Offize heat 180, Offize CR 2007/8, part no. 3403.044.00, 3x1.5 mm ² at 10.3 mm
M20 x 1.5, metal-plated brass (by RST)	Offize Class 110 black, part no. 3403.051.00, 3x1.5 mm ² at 10.3 mm

Accessories:

Item	Component	Part No.
1	Luminaire mounting - hinged bracket	0354.025.00
2	Luminaire mounting - flanged adapter collar for welding on M20 x 1.5 (M20) / M20 x 1.5 and M20 x 1.5	M20V5 = 1256.063.00 / M20V6 = 1256.062.00 / M20V7 = 1256.061.00
3	Ex-time delay switch	on request

Order data: e.g. Luminaire luminaire ASL57LED-Ex (04 V) 25 W, Ex d IIC T₈ with 2 m connecting cable, part no. 3541.484.00