

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
- Forsyningsspændig 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



PRODUKTBESKRIVELSE

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).

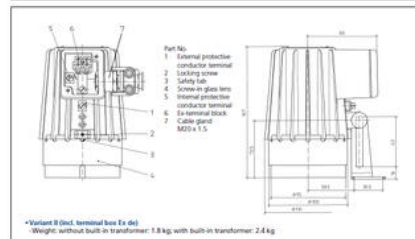
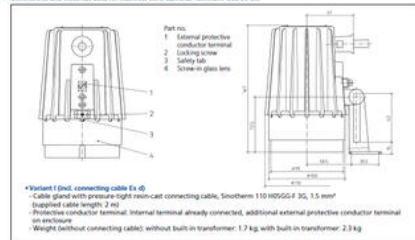
Kompakt design - kraftig lysudgang:

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

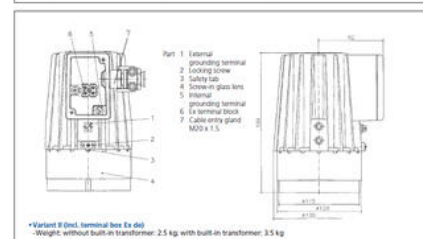
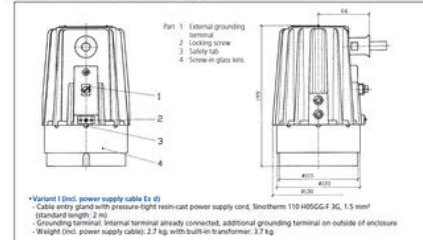
Generøs lysåbning og bekvem lampeudskiftning takket være optimalt designet skruet linselukning.

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.

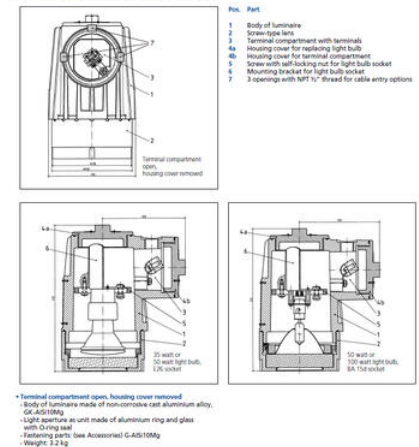
• Dimensions and electrical data for stainless steel luminaires USL 06-Ex:



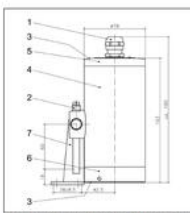
• Dimensions and electrical data for Lumistar luminaires USL 07-Ex



• Dimensions and electrical data for Lumistar luminaires USL 08-Ex:



- Parts, design and materials:**
 - Luminaire shell (A) and end cover (B)
 - ASL 55-LED: corrosion-resistant aluminum alloy
 - ESL 55-LED: stainless steel 1.4303
 - Screwed cable gland M20 x 1.5 (1)
 - 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 (to be ordered separately)
- Weight:** ASL 55-LED: 1.4 kg; ESL 55-LED: 3.8 kg
- Accessories – to be ordered separately!**
 - Mounting hinged bracket, part no. 0354.025.00
 - Mounting attachment flanged adapter collar for use with screw-type right glass fittings (on request)
 - Time dim module, external, for time-dependent lighting
 - Push-button or switch
 - Optional 10° or 25° light aperture reflector
- Mechanical installation:**
 - When installing the round right glass fitting or the right flow indicator, the luminaire is mounted on the cover flange with the hinged bracket. With the screw-type right glass fitting, the lamp is mounted on the ground nut or by means of a flange attachment – see (1) below.



The luminaire luminaire ASL 55-LED is compatible with the following nominal diameters:

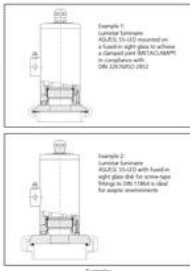
- a) Circular right glass fitting acc. to DIN 28120: DN 40
- b) Circular right glass fitting acc. to DIN 28121: DN 40
- c) Light glass in flow indicator, DN 30
- d) Screw-type right glass fitting similar to DIN 11851: DN 50 is mounted by way of a separate flange attachment from DN 80 up, the unit is secured using the hinged bracket

Luminaire luminaires ASL 55-LED and ESL 55-LED have a special adapter in the light port as a standard feature, making this type of lamp ideal for applications in aquatic and marine environments. Excellent results are assured by using light glasses fixed to a metal frame METAGLASS and with the Biocontrol (BIOUMCO) range of products. METAGLASS combines optimally with clamp through METAGLASS as well as with Ink-Connect™ technology.

For luminaire luminaires intended for sterile environments, the following installation and fastening method is practicable:

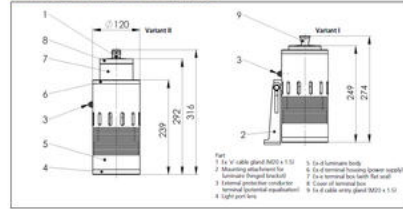
The luminaire is fitted over the flange metal fastener on the cover flange, where it is secured in place. An O-ring inserted between the two effectively seals the closure to the light port. An alternative is to mount the luminaire by means of an adapted clamped joint acc. to DIN 24749/ISO 2852. The mating flange to the adapted connection is a special annular construction with a round right glass fitting (metal-glass joint), see example 2.

When used with screw-type right glass fittings, the metal-glass ring is provided with a contour that over 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.



Examples

Dimensions and electrical data for Luminaire luminaire ASL157-LED Ex:



- Components, design and materials:**
 - Luminaire body (C) and cover of terminal box (E): Aluminum alloy EN AW-2007, paint finish RAL 9007
 - Light port lens (G): Unit consisting of ring flange (aluminum alloy EN AW-2007, paint finish RAL 9007), and borosilicate glass
 - Hinged mounting bracket (D): Stainless steel 1.4301 (see accessories)
 - Cable gland (H): M20 x 1.5
 - Weight (with 2 m connecting cable): 4.4 kg
- Connecting data:** Temperature classification and electrical parameters: see data sheet (1) Type Examination Certificate

Item	ASL157-LED Ex	Part No.	Voltage V	Mounting	Ambient temperature range °C
Variant I (with connecting cable 2 m)					
1	Q24 V 35 W	3541.484.00	24	1 high-power LED	20/78°C
2	120-230 V 35 W	3541.482.00	120-230	1 high-power LED	20/78°C
Variant II (with integrated terminal box)					
3	Q24 V 35 W	3541.483.00	24	1 high-power LED	20/78°C
4	120-230 V 35 W	3541.481.00	120-230	1 high-power LED	20/78°C

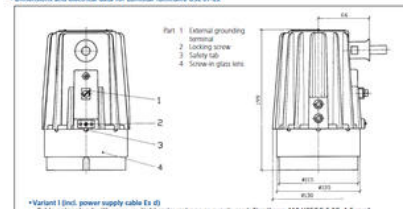
For variant I, only combinations of the following cable entry glands and cables should be used:

Cable gland types	Cable types
INK M 4-6, part no. 910.122.00	EVA flexible sheathed cable, Sinothorn 110, p. no. 3403.017.00, 3x1.5 mm ² ø 8.5 mm
MD1/1.5, nickel-plated brass (by request)	Offize Heat 180, part no. 3403.041.00, 3x1.5 mm ² ø 8.9 mm
Offize Heat 180, Sinothorn 110, part no. 3403.042.00, 3x1.5 mm ² ø 8.9 mm	Offize Heat 180, Sinothorn 110, part no. 3403.043.00, 3x1.5 mm ² ø 8.9 mm
MD1/1.5, nickel-plated brass (B57)	Offize Classic 110 black, part no. 3403.051.00, 3x1.5 mm ² ø 10.1 mm

Item	Component	Part No.
1	Luminaire mounting – hinged bracket	0354.025.00
2	Luminaire mounting – flanged adapter collar for welding on M16 x 1.5 and M16 x 1.5 and M16 x 1.5	MV55 = 1256.963.00 / MV50 = 1256.962.00 MV 100 and MV 125 = 1256.923.00
3	Ex-time delay switch	on request

Order data: e.g. Luminaire luminaire ASL157-LED Ex Q24 V 35 W, Ex d IIC T4 with 2 m connecting cable, part no. 3541.484.00

Dimensions and electrical data for Luminaire luminaire USL 07-Ex:



- Components, design and materials:**
 - Luminaire body (C) and cover of terminal box (E): Aluminum alloy EN AW-2007, paint finish RAL 9007
 - Light port lens (G): Unit consisting of ring flange (aluminum alloy EN AW-2007, paint finish RAL 9007), and borosilicate glass
 - Hinged mounting bracket (D): Stainless steel 1.4301 (see accessories)
 - Cable gland (H): M20 x 1.5
 - Weight (with 2 m connecting cable): 4.4 kg
- Connecting data:** Temperature classification and electrical parameters: see data sheet (1) Type Examination Certificate

Item	ASL157-LED Ex	Part No.	Voltage V	Mounting	Ambient temperature range °C
Variant I (with connecting cable 2 m)					
1	Q24 V 35 W	3541.484.00	24	1 high-power LED	20/78°C
2	120-230 V 35 W	3541.482.00	120-230	1 high-power LED	20/78°C
Variant II (with integrated terminal box)					
3	Q24 V 35 W	3541.483.00	24	1 high-power LED	20/78°C
4	120-230 V 35 W	3541.481.00	120-230	1 high-power LED	20/78°C

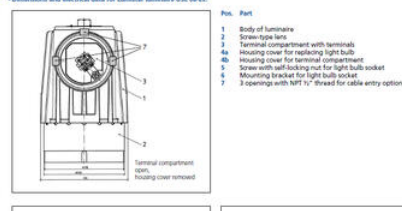
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Order data: e.g. Luminaire luminaire ASL157-LED Ex Q24 V 35 W, Ex d IIC T4 with 2 m connecting cable, part no. 3541.484.00

Dimensions and electrical data for Luminaire luminaire USL 08-Ex:



- Components, design and materials:**
 - Luminaire shell (A) and end cover (B)
 - ASL 55-LED: corrosion-resistant aluminum alloy
 - ESL 55-LED: stainless steel 1.4303
 - Screwed cable gland M20 x 1.5 (1)
 - 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 (to be ordered separately)
 - Weight: ASL 55-LED: 1.4 kg; ESL 55-LED: 3.8 kg
- Accessories – to be ordered separately!**
 - Mounting hinged bracket, part no. 0354.025.00
 - Mounting attachment flanged adapter collar for use with screw-type right glass fittings (on request)
 - Time dim module, external, for time-dependent lighting
 - Push-button or switch
 - Optional 10° or 25° light aperture reflector
- Mechanical installation:**
 - When installing the round right glass fitting or the right flow indicator, the luminaire is mounted on the cover flange with the hinged bracket. With the screw-type right glass fitting, the lamp is mounted on the ground nut or by means of a flange attachment – see (1) below.

The luminaire luminaire ASL 55-LED is compatible with the following nominal diameters:

- a) Circular right glass fitting acc. to DIN 28120: DN 40
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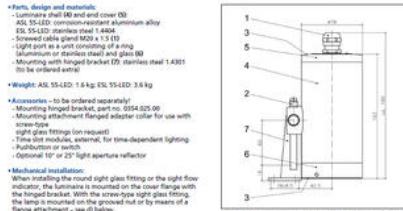
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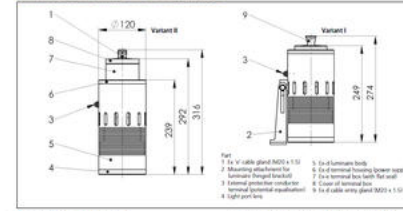
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3	Ex-time delay switch	on request

Order data: e.g. Luminaire luminaire ASL157-LED Ex Q24 V 35 W, Ex d IIC T4 with 2 m connecting cable, part no. 3541.484.00

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