

LUMISTAR EX LAMPER, ATEX

Aluminium

P-L3541.283.00

USL07Ex LED skueglaslampe 24V AC/DC/14W



- 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



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.

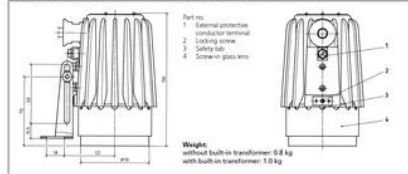
Generøs lysåbning og bekvem lampeudskiftning takket være optimalt designet skruet linselukning.

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.

SPECIFIKATIONER

Effekt	14 W
Ex zone	Zone 1
IP-klasse	IP65, IP67
Materiale hus	Aluminium
Spænding	24 V
Temperaturområde fra	-20 °C
Temperaturområde til	60 °C

• Dimensions and electrical data for Luminaire luminaires USL 05-Ea and USL 05-LED-Ea



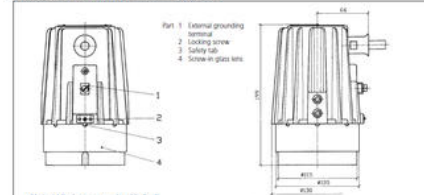
- Components, design and materials:
 - Body of luminaire: Corrosion-resistant die-cast aluminium alloy, GK-AL510Mg
 - Cable gland with pressure-tight resin-cast connecting cable, Siotherm 110 H05GG-F 3G, 1.5 mm², standard cable length: 2 m
 - Protective conductor terminal: Internal terminal already connected, additional external protective conductor terminal on enclosure
 - Light exit: Bonded unit made of aluminium ring and glass, Viton seal
 - Fastening components: See accessories

Connecting data: Temperature classification and electrical parameters (see also: EC Type Examination Certificate)									
No.	Type USL 05-Ea	Part No.	Voltage	Built-in transformer	Hydrogen lamp	LED Illuminant	Socket	Ambient temperature range	
1	12 V 5 W	3540.031.00	12 V	without	12 V 5 W	G4	26 T6	-20 °C to +40 °C	-20 °C to +40 °C
2	120 V 12 V 5 W	3540.032.00	120 V	with	12 V 5 W	G4	26 T6	-20 °C to +40 °C	-20 °C to +40 °C
3	230 V 12 V 5 W	3540.033.00	230 V	with	12 V 5 W	G4	26 T6	-20 °C to +40 °C	-20 °C to +40 °C
4									
5	12 V 20 W	3540.035.00	12 V	without	12 V 20 W	G4	26 T4	-20 °C to +40 °C	-20 °C to +40 °C
6	120 V 20 W	3540.037.00	120 V	with	12 V 20 W	G4	26 T4	-20 °C to +40 °C	-20 °C to +40 °C
7									
8									
9	230 V 4 W LED	3540.039.00	230 V	without	230 V 4 W LED	G210		-20 °C to +40 °C	-20 °C to +40 °C

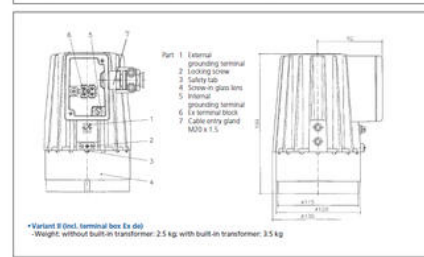
• Order date: e.g. Luminaire USL 05-Ea, 12 V 20 W, Part no. 3540.037.00 with accessories: hinged bracket, Part no. 0354.024.00 and clear glass, Part no. 0816.001.00

No.	Component	Part No.
1	Luminaire mounting, hinged bracket, stainless steel	0354.024.00
2	Luminaire mounting, flanged adapter collar, stainless steel	1354.010.00
3	Luminaire timer module, Ex timer switch, external, for timed light switching	on request
4	Class spacer for screw-in lens, for opening the lamp	0816.001.00

• Dimensions and electrical data for Luminaire luminaire USL 07-Ea

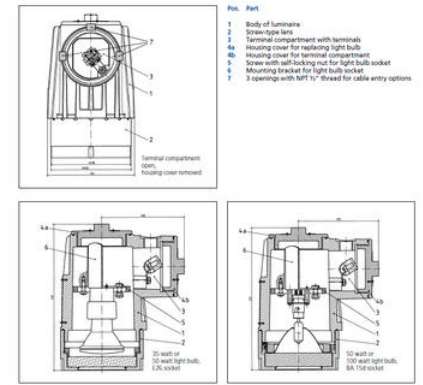


- Variant 1 (incl. power supply cable 2 m)
 - Cable entry gland with pressure-tight resin-cast power supply cord, Siotherm 110 H05GG-F 3G, 1.5 mm², standard length: 2 m
 - Grounding terminal: Internal terminal already connected, additional grounding terminal on outside of enclosure
 - Weight: (incl. power supply cable) 2.7 kg with built-in transformer: 3.7 kg



- Variant 2 (incl. terminal box Ex d)
 - Weight: (incl. terminal box) 2.5 kg with built-in transformer: 3.5 kg

• Dimensions and electrical data for Luminaire luminaire USL 08-Ea



- Terminal compartment open, housing cover removed
 - Body of luminaire made of non-corrosive cast aluminium alloy, GK-AL510Mg
 - Light aperture as unit made of aluminium ring and glass
 - With O-ring seal
 - Weight: 3.2 kg

• Parts, design and materials:

- Luminaire shell (80 and cover 02)
- ASL 55-LED corrosion-resistant aluminium alloy
- Screened cable gland M20 x 1.5 (10)
- Light port as a unit consisting of a ring (aluminium or stainless steel) and glass (8)
- Mounting with flanged bracket (07) stainless steel 1.4301 (to be ordered with)

• Weight: ASL 55-LED: 1.6 kg, ES 55-LED: 3.8 kg

- Accessories - to be ordered separately:
 - Mounting flanged bracket, part no. 0354.024.00
 - Mounting attachment flanged adapter collar for use with screw-type right glass fittings (on request)
 - Time delay module, for time-dependent lighting
 - Pushbutton or switch
 - Optional 10° or 25° light aperture reflector

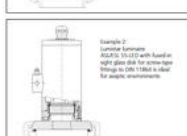
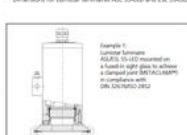
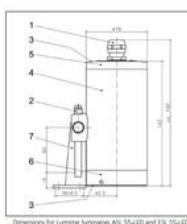
- Mechanical installation:
 - When installing the round right glass fitting or the right flow indicator, the luminaire is mounted on the cover flange with the flanged bracket. With the screw-type right glass fitting, the lamp is mounted on the ground nut or by means of a flange attachment - see 02 below.

The luminaire luminaires ASL 55-LED and ES 55-LED is compatible with the following standard dimensions:

- a) Circular right glass fitting acc. to DIN 28120: DN 40
- b) Circular right glass fitting acc. to DIN 28121: DN 40
- c) Right glass of flow indicators: DN 30
- d) Screw-type right glass fittings similar to DIN 11951:
 - DN 55 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 ES 55-LED have a special adapter in the light port as a standard feature, making this type of lamp ideal for applications in moist and dusty environments. Excellent results are achieved by using right glass fitted to a metal frame (MET-EGALAP) with the ExControl (EXUMO) ring of products. MET-EGALAP conforms optimally with clamp fitting (MET-CLAMP) as well as with NIK-ConnectTM technology.

- For luminaire luminaires intended for stable environments, the following installation and fastening method is practised:
 - The luminaire is fitted over the fixed male standard on the cover flange, where it is secured in place. An O-ring inserted between the two effectively seals the closure to the right port. An alternative is to mount the luminaire by means of an adapted clamped joint acc. to DIN 12476/ISO 2852.
 - The mating flange in the clamped connection is a special annular construction with a fixed-in right glass (metal-glass fusion), see Example 1.
 - When used with screw-type right glass fittings, this metal-glass ring is provided with a notched flange over which the luminaire luminaire is fitted. An O-ring is inserted to seal the joint, tightening the clamp then provides the necessary closing pressure, see Example 2.

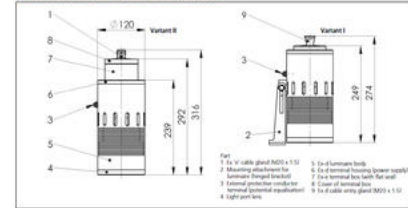


Example 1: luminaire ASL 55-LED mounted on a fixed-in right glass to achieve a clamped joint (MET-EGALAP) in combination with DIN 12476/ISO 2852



Example 2: luminaire ASL 55-LED with fixed-in right glass and for screw-type fittings to DIN 11951 or clamped joints for specific environments

• Dimensions and electrical data for Luminaire luminaire ASL57LED-Ea



- Components, design and materials:
 - Luminaire body (02) and cover of terminal box (08): Aluminium alloy EN AW-2007, paint finish RAL 9007
 - Light port lens (06): Unit consisting of ring flange (aluminium alloy EN AW-2007, paint finish RAL 9007) and lamellate glass
 - Hinged mounting bracket (03): Stainless steel 1.4301 (to be ordered with)
 - Cable gland (09): M20 x 1.5
 - Weight: 4.6 kg

Item	ASL57LED-Ea	Part No.	Voltage	Mounting	Ambient temperature range
1	Variant I (both connecting cable 2 m)				
1	120 V 35 W	3541.484.00	24 V	1 high-power LED	-20 °C to +40 °C
2	120 V 230 V 35 W	3541.482.00	120-230 V	1 high-power LED	-20 °C to +40 °C
3	Variant II (both integrated terminal lens)				
3	120 V 35 W	3541.483.00	24 V	1 high-power LED	-20 °C to +40 °C
4	120 V 230 V 35 W	3541.481.00	120-230 V	1 high-power LED	-20 °C to +40 °C

- For variant I only combinations of the following cable entry glands and cables should be used:
 - Cable types:
 - EIA flexible sheathed cable, Siotherm 110, p. no. 3403.017.00, 3x1.5 mm², ø 8.5 mm
 - Conflex heat 180, part no. 3403.040.00, 3x1.5 mm², ø 8.5 mm
 - Conflex heat 180, Conflex 180-APVC-15, part no. 3403.044.00, 3x1.5 mm², ø 10.3 mm
 - Conflex Classic 110 black, part no. 3403.051.00, 3x1.5 mm², ø 10.1 mm

Item	Component	Part No.
1	Luminaire mounting - hinged bracket	0354.029.00
2	Luminaire mounting - flanged adapter collar for welding on MMS1-MMS30-MV100 and MV125	MMS1 + 124.061.00 / MV100 + 124.062.00 / MV125 + 124.063.00
3	Ex-time delay switch	on request

• Order date: e.g. Luminaire ASL57LED-Ea 120 V 35 W, Ex d IIC T6 with 2 m connecting cable, part no. 3541.484.00

ASL 55-LED and ES 55-LED are not suitable for use in explosive atmospheres (Ex d)