

LUMISTAR EX LAMPER, ATEX

Aluminium

P-L3541.161.00

USL 07-Ex skueglas lampe 240-12V/35W



- 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.

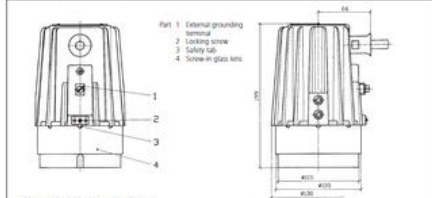
Generøs lysåbning og bekvem lampeudskiftning takket være optimalt designet skruet linselukning.

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

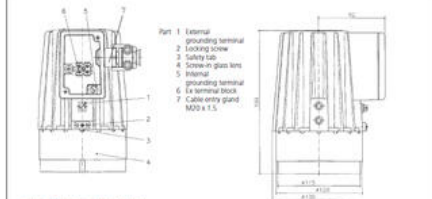
Effekt	35 W
Ex zone	Zone 1
IP-klasse	IP65, IP67
Materiale hus	Aluminium
Spænding	230 V
Temperaturområde fra	-20 °C
Temperaturområde til	60 °C

Dimensions and electrical data for Lumistar luminaire USL 07 Ex



- Part 1** External grounding terminal
2 Locking screw
3 Safety lid
4 Screw-in glass lens

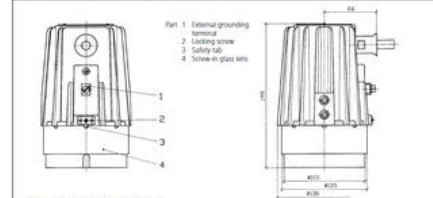
***Variant I (incl. power supply cable Ex d)**
 Cable entry gland mounted on rear flange with the hinged bracket.
 - Weight (incl. power supply cable): 2.7 kg with built-in transformer: 3.7 kg



- Part 1** External grounding terminal
2 Locking screw
3 Safety lid
4 Screw-in glass lens
5 Internal grounding terminal
6 Ex terminal block
7 Cable entry gland
 MOD x 1.5

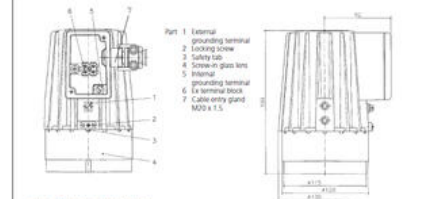
***Variant II (incl. terminal box Ex de)**
 - Weight: without built-in transformer: 2.5 kg with built-in transformer: 3.5 kg

Dimensions and electrical data for Lumistar luminaire USL 07 Ex



- Part 1** External grounding terminal
2 Locking screw
3 Safety lid
4 Screw-in glass lens

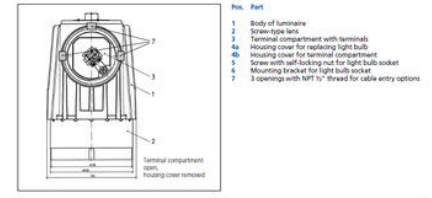
***Variant I (incl. power supply cable Ex d)**
 Cable entry gland with pressure-tight resin-cast power supply cord. (Standard length: 2 m)
 Grounding terminal: internal terminal already connected, additional grounding terminal on outside of enclosure
 - Weight (incl. power supply cable): 2.7 kg with built-in transformer: 3.7 kg



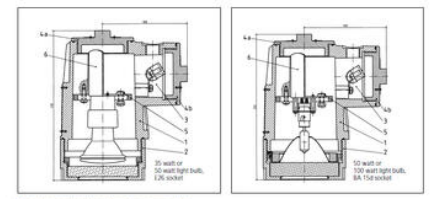
- Part 1** External grounding terminal
2 Locking screw
3 Safety lid
4 Screw-in glass lens
5 Internal grounding terminal
6 Ex terminal block
7 Cable entry gland
 MOD x 1.5

***Variant II (incl. terminal box Ex de)**
 - Weight: without built-in transformer: 2.5 kg with built-in transformer: 3.5 kg

Dimensions and electrical data for Lumistar luminaire 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 openings with NPT 1/4" thread for cable entry options



***Terminal compartment open, housing cover removed**
 Body of luminaire made of non-corrosive cast aluminum alloy, G-AlSi10Mg.
 Light aperture as unit made of aluminum ring and glass with O-ring seal.
 - fastening parts: (see Accessory G-AS10Mg)
 - Weight: 3.2 kg

Parts, design and material

- Luminaire shell (B) and cover (C)
 AL-SiC: corrosion-resistant aluminum alloy
 ES: 35-LED: stainless steel 1.4301
 Screwed cable gland MOD x 1.5 (13)
 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 (It is optional extra)

***Weight:** ASL 55-LED: 1.6 kg; ES: 55-LED: 3.6 kg

- *Accessories - to be ordered separately:**
 - Mounting hinged bracket, part no. 035A-02-00
 - Mounting attachment flanged adapter collar for use with screw-type lens fittings (on request)
 - This kit includes: external, for time-dependent lighting: Pushbutton or switch
 - Optional 10° or 25° light aperture reflector

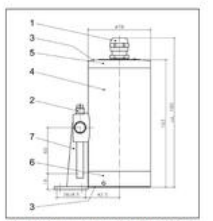
- *Mechanical installation:**
 When installing the round light glass fitting or the light flow indicator, the luminaire is mounted on the rear flange with the hinged bracket. With the screw-type light glass fitting, the lens is mounted on the ground nut or by means of a flange attachment - see d) below.

The Lumistar luminaire ASL-ESL 55-LED is compatible with the following nominal diameters:
 a) Circular light glass fitting acc. to DIN 28120: DN 40
 b) Circular light glass fitting acc. to DIN 28121: DN 40
 c) Light glass in flow indicators: DN 50
 d) Screw-type light glass fitting acc. to DIN 11851:
 - DN 50 is mounted by way of a separate flange attachment - from DN 50 up, the unit is secured using the hinged bracket.

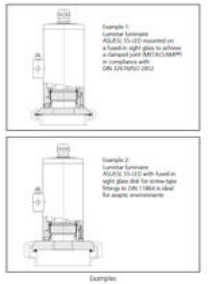
Luminaire luminaire ASL 55-LED and ES: 55-LED have a special adapter in the light port as a standard feature, making this type of lens ideal for applications in acidic and marine environments. Excellent results are assured by using light glasses fixed to a metal frame (METAGLAP) and with the BioControl (NEUMO) range of products. METAGLAP combines optimally with clamp fitting METALAMP, as well as with HA-CONFORM technology.

***For Lumistar luminaires intended for sterile environments, the following installation and fastening method is preferred:**
 The luminaire is fitted over the fixed male stud on the rear 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 32376/ISO 2852. The mating flange to the clamped connection is a special angular connection with a fixed-in light glass (metal-glass fusion), see Example 1.

When used with screw-type light glass fittings, this metal-glass ring is provided with a reinforced lip over which the Lumistar luminaire is fitted. An O-ring is provided to seal the joint, tightening the clamp then provides the necessary closing pressure, see Example 2.

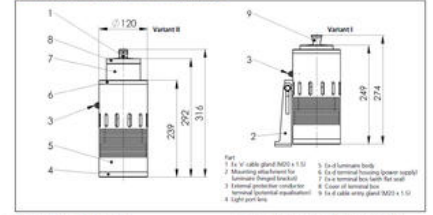


Dimensions for Lumistar luminaires ASL 55-LED and ES: 55-LED



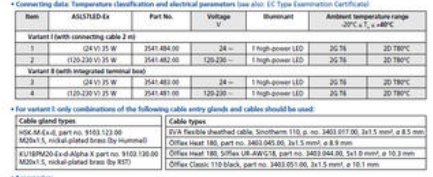
Dimensions for Lumistar luminaires ASL 55-LED and ES: 55-LED

Dimensions and electrical data for Lumistar luminaire ASL57ED-Ex



- Part 1** External grounding terminal
2 Locking screw
3 Safety lid
4 Screw-in glass lens

***Variant I (incl. power supply cable Ex d)**
 Cable entry gland with pressure-tight resin-cast power supply cord. (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

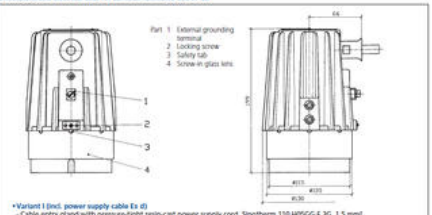


- Part 1** External grounding terminal
2 Locking screw
3 Safety lid
4 Screw-in glass lens
5 Internal grounding terminal
6 Ex terminal block
7 Cable entry gland
 MOD x 1.5

***Variant II (incl. terminal box Ex de)**
 - Weight: without built-in transformer: 2.5 kg with built-in transformer: 3.5 kg

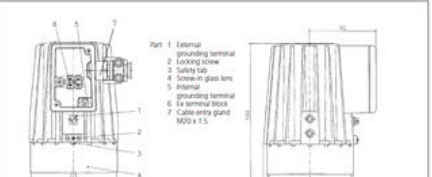
***Terminal compartment open, housing cover removed**
 Body of luminaire made of non-corrosive cast aluminum alloy, G-AlSi10Mg.
 Light aperture as unit made of aluminum ring and glass with O-ring seal.
 - fastening parts: (see Accessory G-AS10Mg)
 - Weight: 3.2 kg

Dimensions and electrical data for Lumistar luminaire USL 07 Ex



- Part 1** External grounding terminal
2 Locking screw
3 Safety lid
4 Screw-in glass lens

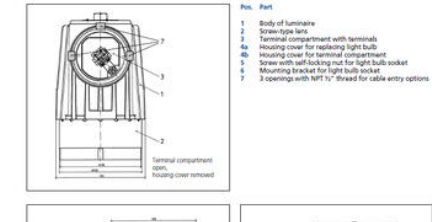
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- Part 1** External grounding terminal
2 Locking screw
3 Safety lid
4 Screw-in glass lens
5 Internal grounding terminal
6 Ex terminal block
7 Cable entry gland
 MOD x 1.5

***Variant II (incl. terminal box Ex de)**
 - Weight: without built-in transformer: 2.5 kg with built-in transformer: 3.5 kg

Dimensions and electrical data for Lumistar luminaire 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 openings with NPT 1/4" thread for cable entry options

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 - Weight: 3.2 kg

Parts, design and material

- Luminaire shell (B) and cover (C)
 AL-SiC: corrosion-resistant aluminum alloy
 ES: 35-LED: stainless steel 1.4301
 Screwed cable gland MOD x 1.5 (13)
 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 (It is optional extra)

***Weight:** ASL 55-LED: 1.6 kg; ES: 55-LED: 3.6 kg

- *Accessories - to be ordered separately:**
 - Mounting hinged bracket, part no. 035A-02-00
 - Mounting attachment flanged adapter collar for use with screw-type lens fittings (on request)
 - This kit includes: external, for time-dependent lighting: Pushbutton or switch
 - Optional 10° or 25° light aperture reflector

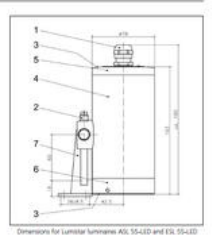
- *Mechanical installation:**
 When installing the round light glass fitting or the light flow indicator, the luminaire is mounted on the rear flange with the hinged bracket. With the screw-type light glass fitting, the lens is mounted on the ground nut or by means of a flange attachment - see d) below.

The Lumistar luminaire ASL-ESL 55-LED is compatible with the following nominal diameters:
 a) Circular light glass fitting acc. to DIN 28120: DN 40
 b) Circular light glass fitting acc. to DIN 28121: DN 40
 c) Light glass in flow indicators: DN 50
 d) Screw-type light glass fitting acc. to DIN 11851:
 - DN 50 is mounted by way of a separate flange attachment - from DN 50 up, the unit is secured using the hinged bracket.

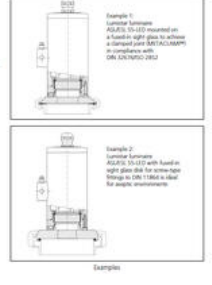
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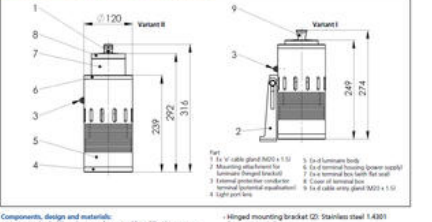


Dimensions for Lumistar luminaires ASL 55-LED and ES: 55-LED



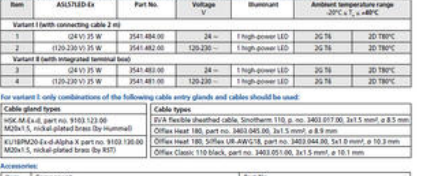
Dimensions for Lumistar luminaires ASL 55-LED and ES: 55-LED

Dimensions and electrical data for Lumistar luminaire ASL57ED-Ex



- Part 1** External grounding terminal
2 Locking screw
3 Safety lid
4 Screw-in glass lens

***Variant I (incl. power supply cable Ex d)**
 Cable entry gland with pressure-tight resin-cast power supply cord. (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

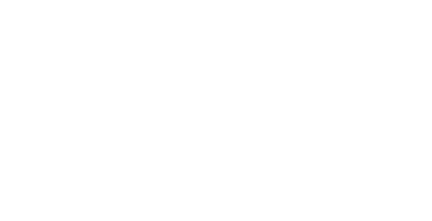


- Part 1** External grounding terminal
2 Locking screw
3 Safety lid
4 Screw-in glass lens
5 Internal grounding terminal
6 Ex terminal block
7 Cable entry gland
 MOD x 1.5

***Variant II (incl. terminal box Ex de)**
 - Weight: without built-in transformer: 2.5 kg with built-in transformer: 3.5 kg

***Terminal compartment open, housing cover removed**
 Body of luminaire made of non-corrosive cast aluminum alloy, G-AlSi10Mg.
 Light aperture as unit made of aluminum ring and glass with O-ring seal.
 - fastening parts: (see Accessory G-AS10Mg)
 - Weight: 3.2 kg

Dimensions and electrical data for Lumistar luminaire 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 openings with NPT 1/4" thread for cable entry options

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 - fastening parts: (see Accessory G-AS10Mg)
 - Weight: 3.2 kg

Parts, design and material

- Luminaire shell (B) and cover (C)
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 Screwed cable gland MOD x 1.5 (13)
 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 (It is optional extra)

***Weight:** ASL 55-LED: 1.6 kg; ES: 55-LED: 3.6 kg

- *Accessories - to be ordered separately:**
 - Mounting hinged bracket, part no. 035A-02-00
 - Mounting attachment flanged adapter collar for use with screw-type lens fittings (on request)
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 - Optional 10° or 25° light aperture reflector

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When used with screw-type light glass fittings, this metal-glass ring is provided with a reinforced lip over which the Lumistar luminaire is fitted. An O-ring is provided to seal the joint, tightening the clamp then provides the necessary closing pressure, see Example 2.



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



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

Dimensions and electrical data for Lumistar luminaire ASL57ED-Ex



- Part 1** External grounding terminal
2 Locking screw
3 Safety lid
4 Screw-in glass lens

***Variant I (incl. power supply cable Ex d)**
 Cable entry gland with pressure-tight resin-cast power supply cord. (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



- Part 1** External grounding terminal
2 Locking screw
3 Safety lid
4 Screw-in glass lens
5 Internal grounding terminal
6 Ex terminal block
7 Cable entry gland
 MOD x 1.5

***Variant II (incl. terminal box Ex de)**
 - Weight: without built-in transformer: 2.5 kg with built-in transformer: 3.5 kg

***Terminal compartment open, housing cover removed**
 Body of luminaire made of non-corrosive cast aluminum alloy, G-AlSi10Mg.
 Light aperture as unit made of aluminum ring and glass with O-ring seal.
 - fastening parts: (see Accessory G-AS10Mg)
 - Weight: 3.2 kg