

GENERAL:

Read the operating instructions and keep them in a safe place. These operating instructions belong to the following luminaire types of the model series ESL 53LED Ex:

Rated voltage	Nominal power	Part - No
24 V AC/DC	7 W	3542.151.00 3542.153.00

Table 1 Luminaire types

The operating instructions contain important information on commissioning and handling. Read the operating instructions, especially the safety instructions, carefully before using the luminaire. Failure to comply with these operating instructions may result in serious injury or damage to the luminaire.

The operating instructions are based on the standards and regulations valid in the European Union. When abroad, also observe country-specific guidelines and laws. Keep the operating instructions for further use. If you pass the luminaire on to a third party, be sure to include these operating instructions. The pictures in the operating instructions are for illustration purposes only and are neither true to scale nor do they show the delivery condition.

USE IN ACCORDANCE WITH REGULATIONS:

!	Sightglass luminaires are purpose-built and designed exclusively for fitting to or on sightglass flange mountings. Under no circumstances may a sightglass luminaire replace the cover flange or the complete sightglass flange socket or be used directly to cover a container opening.	
!	Luminaires for the Ex area may only be installed and serviced by personnel expressly trained and authorised for this purpose. The data on the nameplate (Illustration 1) must be observed. Under no circumstances may the cable gland be unscrewed or removed. Any improper replacement of components in Ex-approved luminaires will invalidate the Ex-protection.	
!	Only use original spare parts.	
!	Repairs may only be carried out by the manufacturer without exception. Contact here for: F.H. Papenmeier GmbH & Co. KG Talweg 2 58239 Schwerte Tel.: +49 2304 205 0 E-Mail: info@lumiglas.de	
!	Clean the luminaire with a damp cloth. Do not use harsh cleaners.	
!	A cable suitable for the cable gland must be selected. The minimum cable length must be 3m.	
!	The connecting cable must be intercepted after max. 1 m and laid in such a way that static charging is excluded.	
!	Ambient temperature range	Temperature class
	-20°C ≤ T _a ≤ +40°C	T6 / T85°C
	-20°C ≤ T _a ≤ +50°C	T4 / T130°C
!	Ensure that the sightglass luminaire is connected to the correct voltage as indicated on the rating plate.	
!	Do not open the luminaire when it is under voltage.	
!	After De Energizing delay 4 Minutes before opening.	
!	Caution: Do not look into the light source - risk of visual impairment.	
!	Surface of the luminaire can become hot during continuous operation.	

	F.H.Papenmeier GmbH & Co.KG Talweg 2 • 58239 Schwerte Deutschland
	3542..... 0158
BVS 20 ATEX E 016 II 2G Ex db IIC T6/T4 Gb II 2D Ex tb IIIC T85°C/T130°C Db -20°C ≤ Ta ≤ +40°C/50°C	Typ: ESL 53LED Ex F.-Nr. : * Leistung: max. 7W Spannung: 24V AC/DC Schutzart: IP65
WARNUNG – NICHT UNTER SPANNUNG ÖFFNEN WARNUNG – NACH DEM ABSCHALTEN, 4 MINUTEN WARTEN VOR DEM ÖFFNEN WARNING – DO NOT OPEN WHEN ENERGIZED WARNING – AFTER DE-ENERGIZING, DELAY 4 MINUTES BEFORE OPENING	

Illustration 1 nameplate

FASTENING:

With the circular sight glass fitting and the visual flow indicators, the luminaire is fixed to the cover flange with the hinged bracket. With the screw-type sightglass fitting, the luminaire is fixed on the cover nut; alternatively with hinged bracket or flanged adapter.

FASTENING VIA HINGED BRACKET:

The hinged bracket is fixed on the required hole circle with the supplied screw (M6), in a threaded blind hole to be drilled beforehand. Alternatively, the hinged bracket can be welded on.

FASTENING VIA FLANGED ADAPTER:

The flanged adapter is mounted on the cover nut (DIN 11851) (welded or screwed connection).

NOTE:

Spare parts are available separately if required. (see table 2)

ELECTRICAL DATA IN GENERAL:

- Voltage, power, temperature class and protection class can be found on the nameplate.
The nameplate must be observed!
- Ex approval according to EU type examination certificate:
BVS 20 ATEX E 016
II 2G Ex db IIC T6 / T4 Gb
II 2D Ex tb IIIC T85°C / T130°C

Voltage type: AC voltage / DC voltage

ELECTRICAL CONNECTION:

- Open the cover of the luminaire.
- Unsrew the terminal.
- Insert the cable through the cable gland and connect it to the terminal. (see illustration 2)
- Connect ground cable with cable lug.

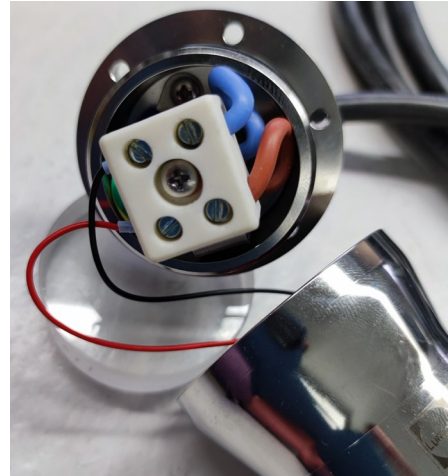


Illustration 2 wiring

- Check the cover at the cylindrical gap for contamination and damage and regrease it (e.g. with AEMA-SOL 6 B, manufacturer A. E. Matthes). Then screw tight.
- If there is any damage on the gap, e.g. slight scratches, the cover must not be used under any circumstances.
- Tighten the connection cable in the cable gland with 8 Nm.

SPARE PARTS AND ACCESSORIES:

Article	Part No:
Screwed sight glass	1774.130.00
O-ring seal screwed sight glass (NBR)	0862.112.00
O-ring seal cover (NBR)	0862.111.00
Cable gland M16x1.5; Ex d	9103.146.00

Table 2 Accessories