



APPLICATION

The LED light fitting type FLXE 118 LED is intended for use in places with an explosive gas and dust atmosphere. The light fitting is designed for use in the industrial areas and facilities, indoor and outdoor spaces.

Hazardous zones: 1, 2, 21, 22.

Ex light fitting is used as emergency LED light fitting with **>3h autonomy**.

CONSTRUCTION

Housing: corrosion resistant grey polyurethanes painted aluminium, color RAL 7000

Diffuser: borosilicate glass tube

Gasket: Silicon

The light fitting is normally supplied with two LED sources, two entries M20 and wall/ sealing mounting set.

TEST button for testing the emergency light function.

TECHNICAL DATA

Certificate:	EXA 15 ATEX 0001X
Marking:	CE 0722
Apparatus category:	II 2GD
Marking of explosion protection:	Ex d e IIC T6 Gb Ex tb IIIC T80°C Db
Ambient temperature:	-20°C ≤ T _a ≤ +50°C
Degree of protection:	IP 66 category 1
Resistance to shock:	IK 08
Protection class :	I (protective earthing)
Rated voltage:	According to „MODEL CODE“
Frequency:	50-60 Hz
Rated power:	2x 1.2W
Lumen output:	network grid power supply / battery power supply : 200 lm
Connecting terminals:	L1, L2, L3, N, PE - max. 2,5 mm ² PE for outside earthing max. 2 x 6 mm ²
Rated autonomy:	> 3 hours
Battery:	Ni-MH 3,6V/2.2Ah, build in light fitting, microprocessor controlled charging, discharging and control of battery
Recharging time:	24 hours (20 hours >90% rated autonomy)
Cable entry:	2 x M20, according to EN 60079-1, ISO 965-1, ISO 965-3 or 2 x 3/4"NPT, according to ANSI/ASME B1.20.1 or 2 x M20, with one Ex d plugs and one adapter type ADP 03/24, for cable φ6-15 mm
Through wiring:	With two Ex de adapter ADP 03/24 - 4 x 2,5 mm ² , max. 16 A,
Energy classification EEI:	A2
Electromagnetic compatibility:	in conformity with the EMC Directive 2004/108 EC and harmonized standards EN 55015+A1+A2, EN 61547, EN 61000-3-2 +A1+A2, EN 61000-3-3

MOUNTING

Pendant, on pipe, wall, ceiling mounting

Operates in any position.



MODEL CODE

FLXE 118 LED

Emergency description (pictogram)
in accordance with DIN 4844

0	With red tape	5	
1		6	
2		7	
3		8	
4			

Rated voltage:

- 0 ... 24 V AC/DC
- 1 ... 60 V AC/DC
- 3 ... 110 - 127 V AC/DC
- 4 ... 220 - 240 V AC/DC

Cable entry:

- 0 ... Ex d cable entry 2 x M20x1,5, ISO 965-1, ISO 965-3
- 1 ... Ex d cable entry 2 x 3/4"NPT, ANSI/ASME B1.20.1
- 2 ... Ex de adaptera ADP 24 (for cable 6-15mm)
- 3 ... 2x Ex de adaptera ADP 24 (for cable 6-15mm) through wiring

The lamp can operate with two types of connection:

a) Maintained (Dauerschaltung)

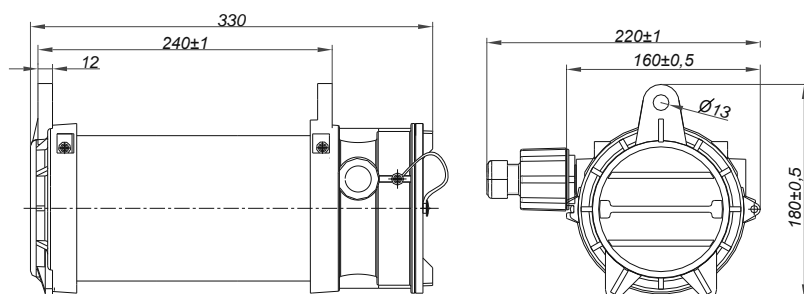
The light fitting can be used for general and orientation lighting with mains power supply via L' (installation switch). In case of voltage drop or an interruption in the mains power supply L, the light fitting will continue to operate in battery-powered mode, regardless of the status of installation switch L' (ON/OFF).

b) Non maintained (Bereitschaftschaltung)

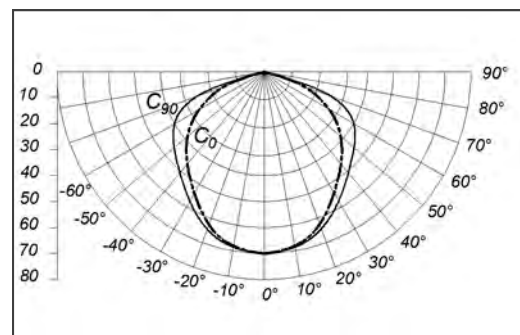
In case of voltage drop or an interruption in the mains power supply L, the light fitting will operate only in battery-powered mode.

In both types of the connection in the presence of continuous phase L, it is possible to verify the correctness of the emergency system by turning on the switch in the TEST circuit.

DIMENSION DRAWING (all dimensions in mm)



ISOCANDELA CURVE [l/cd]



SPARE PARTS AND ACCESSORIES

SKETCH	DESCRIPTION	CODE	SKETCH	DESCRIPTION	CODE
	Cover gasket FLXE	FLXE10-120		Ex d cable gland SPU 20	SPU 20
	Base plate FLXE/...	FLXE10-130		Ex d plug M20	SPC 20
	Protective grid FLXE set	FLXE20-140		FLXE Wall / ceiling mounting set	FLXE20-170
	External reflector FLXE	FLXE20-150		FLXE Pipe mounting set	FLXE20-180
	Junction box ADP 24	ADP10-160			