



[1] **EU – TYPE EXAMINATION CERTIFICATE**

[2] Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres  
Directive 2014/34/EU.

[3] EU-Type Examination Certificate Number: **FIDI 19 ATEX 0028** Issue: **1**

[4] Product: **Emergency light fitting**

Type: **FLXE 118 LED . . / .**

[5] Manufacturer: **TEPEX Ltd.**

[6] Product: **Medarska 69, 10090 Zagreb, Croatia**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

[8] FIDITAS Ltd., Notified Body number 2829 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in confidential Report No: **FIDI 19CR028**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018**

**EN 60079-1:2014**

**EN IEC 60079-7:2015 / A1:2018**

**EN 60079-31:2014**

except in respect of those requirements listed at item 18 of the Schedule.

[10] If the sign 'X' is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

[11] This EU-Type Examination Certificate relates only to the design, examination and test of the specified product in accordance with Annex III. Further requirements of the Directive apply to the manufacturing process and supply of this products. These are not covered by this certificate.

[12] The marking of the product shall include the following:



**II 2G Ex db eb IIC T6 Gb ili II 2G Ex db IIC T6 Gb  
II 2D Ex tb IIIC T80°C Db**

Our ref.: 19.CRT.027

Date: 10.01.2020.



**Fiditas** d.o.o.  
ZAGREB

**FIDITAS Ltd.**  
Certification department

Approved:

Marino Kelava, M.E.Eng.



[13]

**SCHEDULE**

[14]

**EU - TYPE EXAMINATION CERTIFICATE No.:**

**FIDI 19 ATEX 0028**

[15]

**Description of product**

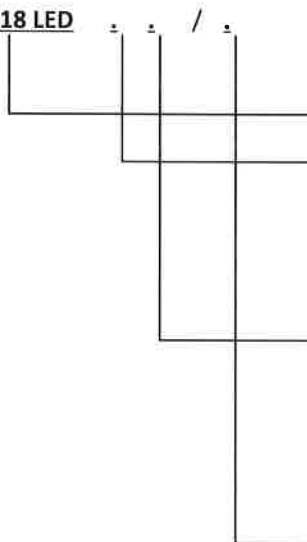
Emergency light fitting FLXE 118 LED is constructed with one chamber in the type of protection flameproof enclosure "d". The chamber is made of a glass tube, at the ends cemented into a metal housing case, which is closed with a threaded cover. The connecting rods between the metal ends of the housing relieve the cemented joint from mechanical stress. Silicone gaskets are provided on the covers to provide IP protection. Inside the case is a baseplate with all components. The luminaire can be further fitted with a protective grid and an external reflector.

For cable entry, the use of separately certified cable glands designed as flameproof "d" in accordance with EN 60079-1 or a certified adapter manufactured by TEPEX, type: ADP, FIDI 19 ATEX 0014X; II 2G Ex db eb IIC T6 Gb; II 2D Ex tb IIIC T85°C Db.

In the version with the adapter, the installer must provide additional cable anchoring and protect the adapter from mechanical impact.

**Marking:**

FLXE 118 LED



Basic marking code:

Voltage designation:

- 0 – 24 V ac
- 1 – 24 V dc
- 2 – 110 – 127 V ac
- 3 – 220 – 240 V ac

Cable entry designation:

- 0 - Ex d cable entry 2 x M20, ISO 965-1, ISO 965-3
- 1 - Ex d cable entry 2 x 3/4"NPT, ANSI/ASME B1.20.1
- 2 - Ex d cable entry 2 x M20, ISO 965-1, ISO 965-3 with one „db eb” adapter type ADP 23/1 and one „db” stopping plug

Pictogram according to DIN 4844-2

**Warning markings:**

“DO NOT OPEN WHEN ENERGIZED”

“ DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT”

„SEE INSTALLATION INSTRUCTION DOCUMENT”





**Technical data:**

Rated voltage:	24 V ac/dc or 110 - 240 V ac
Rated power:	10 VA
Power and type of light source:	LED 2,4 W – battery operation LED 5 W – mains supply operation
Battery:	Ni-MH Saft VHT 3.6 V; 2 Ah
Mechanical protection:	IP 66
Ambient temperature:	-20°C to +50°C

**[16] Confidential Report No.** FIDI 19CR028

**[16.1] Routine testing**

The manufacturer shall carry out the following routine tests:

- static overpressure test of enclosure in accordance with cl. 16.1 of standard EN 60079-1 with pressure not less than 19.1 bar,
- dielectric strength test according to clause 6.1 of the standard EN IEC 60079-7 for version of luminaire with terminal compartment in type of protection increased safety 'e'.

**[17] Specific Conditions of Use**

None

**[18] Essential Health and Safety Requirements**

Covered by the conformity with harmonized standards listed under item 9.

**[19] Drawings and Documents**

Title:	Drawing No.:	Rev. level:	Date:
Technical description of emergency LED light fitting, type: FLXE 118 LED	-	-	31.12.2019.
Certification drawing emergency LED light fitting, type: FLXE 118 LED	T 12.51.00.00-1	-	31.12.2019.
Certification drawing svjetiljke emergency LED light fitting, type: FLXE 118 LED	T 12.51.00.00-2	-	31.12.2019.
Electrical scheme – blocks	T 12.51.00.00-3	-	31.12.2019.
Electrical scheme – supply	T 12.51.00.00-4	-	31.12.2019.
Electrical scheme – battery	T 12.51.00.00-5	-	31.12.2019.
Electrical scheme – LED source	T 12.51.00.00-6	-	31.12.2019.
Electrical scheme – control	T 12.51.00.00-7	-	31.12.2019.
Electrical scheme – control of supply	T 12.51.00.00-8	-	31.12.2019.
Description of certification drawings T 12.51.00.00-1/2	-	-	31.12.2019.
Instruction for use of emergency LED light fitting type FLXE 118 LED	TEPEX.RS.052	4	31.12.2019.

