



[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 0045** Issue: **1**

[4] Product: **Light fitting**  
Type: **FLX 310 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 20CR010**

[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** or **II 2G Ex db IIC T6 Gb**  
**II 2D Ex tb IIIC T85°C Db**

Our ref.: 19.CRT.027

Date: 17.04.2020.



**FIDITAS Ltd.**  
**Certification department**  
Approved:

Marino Kelava, M.E.Eng



[13]

**SCHEDULE**

[14] **EU - TYPE EXAMINATION CERTIFICATE No.:** **FIDI 19 ATEX 0045**

[15] **Description of product**

LED light fitting type: FLX 310 LED is designed in type of protection flameproof enclosure "db" and protection by enclosure "tb". The enclosure is made of a glass tube cemented into the enclosure body with threaded covers. Connecting rods between metallic ends of the enclosure relieve the cemented joint from mechanical stress.

The light fitting can be designed with:

- adapter in type of protection flameproof enclosure "db", increased safety "eb" and protection by enclosure "tb" (manufacturer TEPEX Ltd., type ADP, FIDI 19 ATEX 0014X; II 2G Ex db eb IIC T6 Gb; II 2D Ex tb IIIC T85°C Db) or
- with a direct cable entry into flameproof enclosure "db" / protection by enclosure "tb" through certified "db/tb" cable gland.

The adapter has specific condition of use:

- The adapter was tested with lower impact energy and according to EN IEC 60079-0 shall be installed in areas with a lower risk of impact.
- Cable gland of the adapter was tested with lower tensile force according to A.3.1.1. of standard EN IEC 60079-0 and is intended for entry of non-armoured permanently laid cables, therefore the user shall provide additional clamping of the cable outside the cable gland.

**Marking:**

**FLX 310LED/**



Basic type code

Type of cable entry

**0** – Ex db / Ex tb cable entry 2 x M20, ISO 965-1, ISO 965-3

**1** – Ex db / EX tb cable entry 2 x 3/4"NPT, ANSI/ASME B1.20.1

**2** – Ex db / EX tb cable entry 2xM20, ISO965-1, ISO965-3 with installed adapter type ADP 23/1 and one stopping plug Ex db / Ex tb

**3** - 2x adapters type ADP 23/1

**Technical data:**

Rated voltage:	230 V AC
Rated power:	25 W
Power and light source type:	LED 3 × 8.8 W
Mechanical protection:	IP 66 / IP67
Ambient temperature:	-20°C to +55°C

**Warning markings:**

"DO NOT OPEN WHEN ENERGIZED"

"AFTER DE-ENERGIZING DELAY FIVE MINUTES BEFORE OPENING"

"SEE INSTALLATION INSTRUCTION DOCUMENT"



**[16] Confidential Report No.** FIDI 20CR010

**[16.1] Routine testing**

The manufacturer shall carry out:

- static overpressure test of enclosure in accordance with clause 16.1 of standard EN 60079-1 with pressure not less than 19,1 bar and
- dielectric strength test according to clause 7.1 of standard EN IEC 60079-7 for version of luminaire with terminal compartment in type of protection increased safety.

**[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 LED light fitting FLX 310 LED/.	-	-	15.04.2020.
Certification drawings light fitting FLX 310 LED	T 16.09.01.00-1	-	15.04.2020.
Certification drawings light fitting FLX 310 LED	T 16.09.01.00-2	-	15.04.2020.
Description of certification drawings T 16.09.01.00-1 and T 16.09.01.00-2	-	-	15.04.2020.
Instructions for use for emergency LED light fitting, type: FLX 310 LED	TEPEX.RS.065	03	15.04.2020.