



[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 0048**

Issue: **1**

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

Type: **SIF 236- ; SIF 436-
SIF 236E-; SIF 436E-.**

[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 19CR048**

[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 60079-18:2015 / A1:2017

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 mb IIC T4 Gb

II 2D Ex tb IIIC T80°C Db

Our ref.: 19.CRT.027

Date: 06.04.2020.



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 0048**

[15] **Description of product**

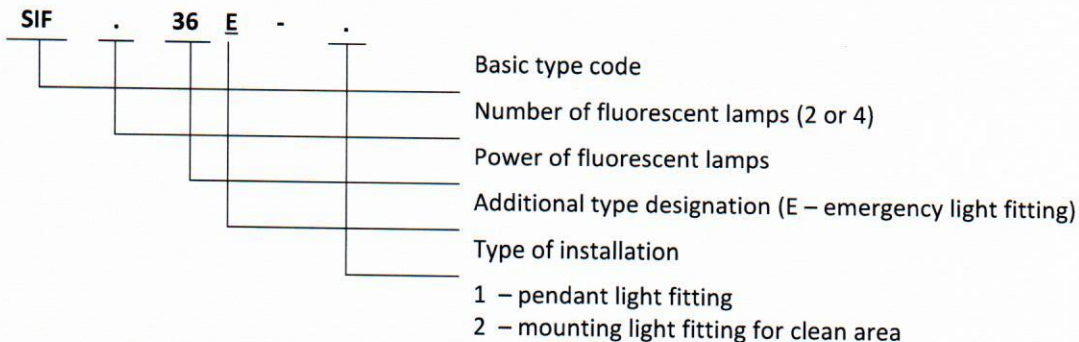
Light fitting is designed in type of protection increased safety "e" and protection by enclosure "tb". The light fitting is made in two basic versions, the mains light fitting and the emergency light fitting.

The following components are built inside of metallic enclosure:

- interlocking switch type: PBT (manufacturer TEPEX, certificate FIDI 19 ATEX 0001U; II 2G Ex db eb IIC Gb),
- lamp holders type G13 (manufacturer TEPEX, certificate FIDI 19 ATEX 0004U; II 2G Ex eb IIC Gb),
- electronic ballast type: SMP 07/12 (manufacturer TEPEX, certificate FIDI 19 ATEX 0006U; II 2G Ex eb mb IIC Gb)
- connecting terminals type: SL 5 (manufacturer TEPEX, certificate FIDI 19 ATEX 0010U; II 2G Ex eb IIC Gb).
- connecting terminals type: CMC (manufacturer Connectwell Industries Pvt, certificate SIRA 16 ATEX 3170U, II 2G Ex eb IIC Gb)
- electronic ballast with battery module type: EMEX 01/36 (manufacturer TEPEX, certificate FIDI 19 ATEX 0005U; II 2G Ex db eb mb IIC Gb).

For cable entry separately certified cable glands in type of protection increased safety 'eb' and protection by enclosure 'tb' shall be used.

Marking:



Technical data:

Rated voltage:	230 Vac
Frequency:	50 Hz
Rated power:	2×36 W / 4×36 W
Battery:	Ni-Mh Saft VHT, 4,8 V 10 Ah
Ambient temperature:	-20°C to +40°C for type: SIF 236E-. -20°C to +50°C for type: SIF 236-.





[16] **Confidential Report No.** FIDI 19CR048

[16.1] Routine testing

The manufacturer shall carry out routine test of dielectric strength according to clause 7.1 of the standard EN IEC 60079-7.

[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 fluorescent light fitting SIF 236/436/236E/436E	-	-	02.04.2020.
Certification drawings of fluorescent light fitting 236/436/236E/436E	T 14.10.02.00-1	-	02.04.2020.
	T 14.10.02.00-2	-	02.04.2020.
	T 14.10.02.00-3	-	02.04.2020.
	T 14.10.02.00-4	-	02.04.2020.
	T 14.10.02.00-5	-	02.04.2020.
	T 14.10.02.00-6	-	02.04.2020.
	T 14.10.02.00-7	-	02.04.2020.
	T 14.10.02.00-8	-	02.04.2020.
Description of certification drawings T 14.10.02.00-1 do -8	-	-	02.04.2020.
Instructions for use of fluorescent light fitting 236/436/236E/436E	TEPEX.RS.026	1	02.04.2020.

