



[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 20 ATEX 0023**

Issue: 1

[4] Product: **Linear LED light fitting**

Type: **SIF 152 LED; SIF 252 LED;
SIF 152 LED/E; SIF 252 LED/E;**

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

[6] Address: **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 20 CR 018**

[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 60079-28:2015

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 op is IIC T5 Gb

II 2D Ex tb op is IIIC T80°C Db

Our ref.: 20.CRT.136

Date: 28.08.2020.



FIDITAS Ltd.
Certification department

Approved:

Marino Kelava, M.E.Eng.



[13]**SCHEDULE****[14] EU - TYPE EXAMINATION CERTIFICATE No.: FIDI 20 ATEX 0023****[15] Description of product**

Linear LED light fittings type: SIF 152 LED and SIF 252 LED are intended for general lighting and emergency linear LED light fitting type: SIF 152 LED/E and SIF 252 LED/E are intended for emergency and general lighting. Light fitting is designed in type of protection increased safety "eb" and protection by enclosure "tb".

The following components are mounted inside the enclosure of LED light fittings type SIF 152 LED and type SIF 252 LED:

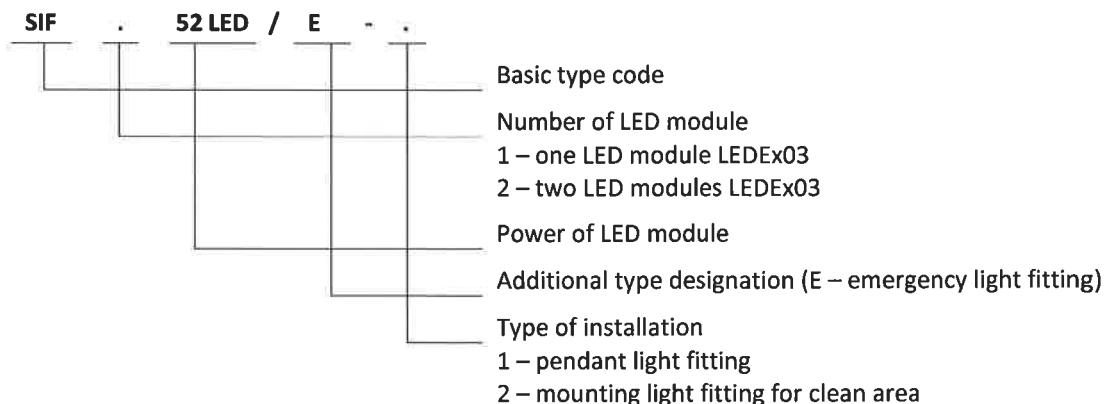
- LED module with thermal protection, manufacturer TEPEX, type: LEDEx 03; FIDI 19 ATEX 0018U, II 2G Ex mb op is IIC Gb;
- LED driver with overcurrent protection, manufacturer TEPEX, type: DRIVEx 01; FIDI 19 ATEX 0019U, II 2G Ex db IIC Gb;
- interlocking switch, manufacturer, TEPEX, type: PBT; FIDI 19 ATEX 0001U, II 2G Ex db eb IIC Gb and
- terminals, manufacturer CONNECTWELL INDUSTRIES Pvt, SIRA 16 ATEX 3170U, II 2G Ex eb IIC Gb.

The following components are mounted inside the enclosure of LED light fittings type SIF 152 LED/E and type: SIF 252 LED/E:

- LED module with thermal protection, manufacturer TEPEX, type: LEDEx 03; FIDI 19 ATEX 0018U, II 2G Ex mb op is IIC Gb;
- LED driver with overcurrent protection, manufacturer TEPEX, type: DRIVEx 01; II 2G Ex db IIC Gb;
- emergency LED driver, manufacturer TEPEX, type: DRIVEx 02, II 2G Ex db IIC Gb;
- battery module, manufacturer TEPEX, type: BATEx 02, II 2G Ex eb IIC Gb;
- battery protection module, manufacturer TEPEX, type: BSM, II 2G Ex db eb IIC Gb;
- LED indicator, manufacturer TEPEX, type: LEDEx 02; FIDI 19 ATEX 0005U, II 2G Ex mb IIC Gb;
- interlocking switch, manufacturer TEPEX, type: PBT; FIDI 19 ATEX 0001U, II 2G Ex db eb IIC Gb and
- terminals, manufacturer CONNECTWELL INDUSTRIES Pvt, SIRA 16 ATEX 3170U, II 2G Ex eb IIC Gb.

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



Marking:**Technical data SIF 152 LED and SIF 252 LED:**

Rated voltage:	110 to 240 V AC
	220 to 250 V DC
Frequency:	50 Hz
Power:	type SIF 152 LED 52 W
	type SIF 252 LED 2x52 W
Ambient temperature:	-20°C to +50°C
Mechanical protection:	IP 66

Technical data SIF 152 LED/E and SIF 252 LED/E:

Rated voltage:	230 V AC
Frequency:	50 Hz
Power:	type SIF 152 LED/E 56 W
	type SIF 252 LED/E 56 W + 52 W
Ambient temperature:	-20°C to +40°C
Mechanical protection:	IP 66

[16] Confidential Report No. **FIDI 20 CR 018**

[16.1] Routine testing

The manufacturer shall carry out routine tests of:

- dielectric strength according to clause 7.1 of the standard EN IEC 60079-7,
- insulation resistance according to clause 7.2 of the standard EN IEC 60079-7 for light fitting type SIF .52 LED/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 linear LED light fitting type SIF 152/252/152E/252E	-	-	20.08.2020.
Certification drawings:			20.08.2020.
Emergency linear LED light fitting type: SIF 252 LED/E	T14.11.00.00-1	-	20.08.2020.
Linear LED light fitting type: SIF 252 LED	T14.11.00.00-2	-	20.08.2020.
Emergency linear LED light fitting type: SIF 152 LED/E	T14.11.00.00-3	-	20.08.2020.
Linear LED light fitting type: SIF 152 LED	T14.11.00.00-4	-	20.08.2020.
Linear LED light fitting type: SIF _52 LED	T14.11.00.00-5	-	20.08.2020.
Emergency LED driver DRIVEx 02	T16.01.00.00-8	2	20.08.2020.
Battery module BATEx 02	T16.01.00.00-9	2	20.08.2020.
Battery safety module BSM 01	T16.01.00.00-10	2	20.08.2020.
Emergency LED driver DRIVEx 02 – Electrical scheme	T16.01.00.00-11	-	14.02.2020.
Emergency LED driver DRIVEx 02 – Electrical scheme	T16.01.00.00-12	-	14.02.2020.
Battery safety module BSM 01 – Electrical scheme	T16.01.00.00-13	-	14.02.2020.
Battery safety module BSM 01 – Electrical scheme	T16.01.00.00-14	-	14.02.2020.
Battery safety module BSM 01 – Electrical scheme	T16.01.00.00-15	-	14.02.2020.
Description of certification drawings of linear LED light fitting type: SIF 152/252/152E/252E	-	-	20.08.2020.
Instructions for use of linear LED light fitting type: SIF 152/252/152E/252E	TEPEEx.RS.119	1	20.08.2020.

