



[1]

EU – CERTIFIKAT O ISPITIVANJU TIP A

[2] Oprema ili zaštitni sustavi namijenjeni uporabi u potencijalno eksplozivnim atmosferama
Direktiva 2014/34/EU

[3] Broj EU-Certifikata o ispitivanju tipa: **FIDI 24 ATEX 0013**

Izdanje: **0**

[4] Proizvod: **Linear LED svjetiljka**

Tip: **SIF 60 LED ili SIF 60 LED/E**

[5] Proizvođač: **TEPEX d.o.o.**

[6] Adresa: **Medarska 69, 10090 Zagreb, Hrvatska**

[7] Ovaj proizvod i svaka njegova prihvatljiva inačica navedena je u prilogu ovoga certifikata i pripadnoj dokumentaciji na koju se poziva.

[8] FIDITAS, prijavljeno tijelo broj 2829 prema članku 17 Direktive 2014/34/EU Europskog Parlamenta i Vijeća od 26. veljače 2014., potvrđuje sukladnost proizvoda namijenjenog uporabi u prostorima ugroženim eksplozivnom atmosferom s bitnim zahtjevima zdravlja i sigurnosti koji se odnose na konstrukciju proizvoda a koji su navedeni u Prilogu II Direktive.

Rezultati provjere i ispitivanja nalaze se u povjerljivom izvješću broj: **FIDI 24 CR 029**

[9] Ispunjenje Bitnih zahtjeva zdravlja i sigurnosti ostvareno je pomoću sukladnosti s:

EN IEC 60079-0:2018

EN 60079-1:2014

EN IEC 60079-7:2015 / A1:2018

EN 60079-18:2015 / A1:2017

osim za one zahtjeve koji su navedeni u točki 18 priloga ovome certifikatu.

[10] Ako je iza broja certifikata postavljen znak 'X', na proizvod se primjenjuju specifični uvjeti uporabe navedeni u prilogu ovoga certifikata.

[11] Ovaj EU-Certifikat o ispitivanju tipa odnosi se samo na konstrukciju, provjeru i ispitivanja promatranog proizvoda sukladno Prilogu III Direktive. Dodatni zahtjevi Direktive primjenjuju se na proizvodni proces i isporuku proizvoda. Oni nisu pokriveni ovim certifikatom.

[12] Proizvod mora biti označen sljedećom oznakom:



II 2G Ex db eb mb IIC T6 Gb

II 2D Ex tb IIIC T80°C Db

Naš znak: 23.CRT.453

Datum: 24.09.2024



Fiditas d.o.o.
ZAGREB

FIDITAS d.o.o.

Odjel certifikacije

Odobrio:

Marino Kelava, dipl.ing.el.



[13]

PRILOG

[14] **EU - CERTIFIKATU O ISPITIVANJU TIP A broj:**

FIDI 24 ATEX 0013

[15] **Opis proizvoda**

Kućiste LED rasvjetnog tijela od čeličnog lima s integriranom profilnom brtvom, zatvara se vijcima poklopcem od čeličnog lima s ravnim borosilikatnim kaljenim staklom. Zavarena čelična konstrukcija kućišta i staklenog okvira zaštićena je dvoslojnom plastifikacijom od korozije.

U kućište svjetiljke SIF 60 LED ugrađuju se sljedeće komponente:

- LED modul s integriranom termičkom zaštitom tip: LEDEx 05, proizvođač TEPEX, II2G Ex mb IIC Gb,
- LED driver tip: DRIVEx 01, proizvođač TEPEX, FIDI 19 ATEX 0019U, II 2G Ex db IIC Gb;
- priključne stezaljke tip: CMC, proizvođač Connectwell Industries Pvt, SIRA 16 ATEX 3170U, II 2G Ex eb IIC Gb.

U kućište svjetiljke za nužnu rasvjetu SIF 60 LED/E ugrađuju se sljedeće komponente:

- LED modul s integriranom termičkom zaštitom tip: LEDEx 05, proizvođač TEPEX, II2G Ex mb IIC Gb;
- sigurnosni driver tip: DRIVEx 02, proizvođač TEPEX, II2G Ex db IIC Gb, FIDI 19 ATEX 0029;
- baterijski modul tip: BATEx 02, proizvođač TEPEX, II2G Ex eb IIC Gb, FIDI 19 ATEX 0029;
- baterijski zaštitni modul tip: BSM 01, proizvođač TEPEX, II2G Ex db eb IIC Gb, FIDI 19 ATEX 0029;
- LED indikator tip: LEDEx 02, proizvođač TEPEX, FIDI 19 ATEX 0005U; II2G Ex mb IIC Gb;
- priključne stezaljke tip: CMC, proizvođač Connectwell Industries Pvt, SIRA 16 ATEX 3170U, II 2G Ex eb IIC Gb.

Za ulaz kabela treba koristiti zasebno certificirane kableske uvodnice ili čepove izvedene u vrsti zaštite povećana sigurnost "eb" (EN IEC 60079-7) i zaštita kućištem 'tb' (EN IEC 60079-31), stupnja mehaničke zaštite IP66.

Tehnički podaci:

Nazivni napon:	110Vac - 230 Vac; 50/60 Hz
Nazivna snaga:	SIF 60 LED/1 52 W
	SIF 60 LED/2 70 W
	SIF 60 LED/E 56 W
Temperatura ambijenta:	-20°C do +40°C
Mehanička zaštita:	IP66

Natpis upozorenja:

"NE OTVARAJ POD NAPONOM"

"SAMO ZA HORIZONTALNU MONTAŽU, VIDI UPUTE ZA INSTALIRANJE"

[16] **Povjerljivo izvješće br.**

FIDI 24 CR 029

[16.1] **Pojedinačno ispitivanje**

Proizvođač mora provesti pojedinačno ispitivanje dielektričke čvrstoće sukladno tč. 7.1 norme EN IEC 60079-7.





[17] Specifični uvjeti uporabe

Nema

[18] Bitni zahtjevi zdravlja i sigurnosti

Ispunjeni kroz osiguranje sukladnosti s harmoniziranim normama navedenim u tč. 9.

[19] Crteži i dokumentacija

Naziv:	Broj crteža:	Izdanje:	Datum:
Tehnički opis linear LED svjetiljke SIF 60 LED		/	23.09.2024.
Certifikacijski crteži:			
SIF 60 LED	T14.11.01.00-1	/	23.09.2024.
SIF 60 LED	T14.11.01.00-2	/	23.09.2024.
SIF 60 LED/E	T14.11.01.00-3	/	23.09.2024.
SIF 60 LED/E	T14.11.01.00-4	/	23.09.2024.
LEDEx 05	T14.11.01.00-5	/	23.09.2024.
Opis certifikacijskih crteža T14.11.01.00	/	/	23.09.2024.
Upute za uporabu linear LED svjetiljke SIF 60 LED	TEPEX.RS.128	1	23.09.2024.





EU – TYPE EXAMINATION CERTIFICATE

[1]

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

[3] EU-Type Examination Certificate Number: **FIDI 24 ATEX 0013**

Issue: **0**

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

Type: **SIF 60 LED or SIF 60 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 24 CR 029**

[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

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 T6 Gb

II 2D Ex tb IIIC T80°C Db

Our ref.: 23.CRT.453

Date: 24.09.2024



Fiditas
ZAGREB

FIDITAS Ltd.

Certification department

Approved/

Marino Kelava
Marino Kelava, M.E.Eng.



[13]

SCHEDULE

[14] **EU - TYPE EXAMINATION CERTIFICATE No.:**

FIDI 24 ATEX 0013

[15] **Description of product**

The enclosure of LED light fitting made of sheet steel with an integrated profile gasket, is closed with screws by a cover made of sheet steel with flat borosilicate tempered glass. The welded steel construction of the housing and the glass frame is protected by double-layer plasticization against corrosion.

The light fitting SIF 60 LED contains following components:

- LED module with integrated thermal protection type: LEDEx 05, manufacturer TEPEX, II2G Ex mb IIC Gb,
- LED driver type: DRIVEx 01, manufacturer TEPEX, FIDI 19 ATEX 0019U, II 2G Ex db IIC Gb;
- terminals type: CMC, manufacturer Connectwell Industries Pvt, SIRA 16 ATEX 3170U, II 2G Ex eb IIC Gb.

The light fitting for emergency light SIF 60 LED/E lamp enclosure contains following components:

- LED module with integrated thermal protection type: LEDEx 05, manufacturer TEPEX, II2G Ex mb IIC Gb;
- safety driver type: DRIVEx 02, manufacturer TEPEX, II2G Ex db IIC Gb, FIDI 19 ATEX 0029;
- battery module type: BATEX 02, manufacturer TEPEX, II2G Ex eb IIC Gb, FIDI 19 ATEX 0029;
- battery protective module type: BSM 01, manufacturer TEPEX, II2G Ex db eb IIC Gb, FIDI 19 ATEX 0029;
- LED indicator type: LEDEx 02, manufacturer TEPEX, FIDI 19 ATEX 0005U; II2G Ex mb IIC Gb;
- terminals type: CMC, manufacturer Connectwell Industries Pvt, SIRA 16 ATEX 3170U, II 2G Ex eb IIC.

For cable entry, separately certified cable glands or stopping plugs designed as increased safety "eb" (EN IEC 60079-7) and protection by enclosure 'tb' (EN IEC 60079-31) and IP66 shall be used.

Technical data:

Rated voltage:	110Vac - 230 Vac; 50/60 Hz
Rated power:	SIF 60 LED/1 52 W
	SIF 60 LED/2 70 W
	SIF 60 LED/E 56 W
Ambient temperature:	-20°C to +40°C
Mechanical protection:	IP66

Warning markings:

"DO NOT OPEN WHEN ENERGIZED"

"FOR HORIZONTAL MOUNTING ONLY, SEE INSTALLATION INSTRUCTION DOCUMENT"

[16] **Confidential Report No.**

FIDI 24 CR 029

[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 linear LED fitting SIF 60 LED and SIF 60 LED/E		/	23.09.2024
Certification drawings:			
SIF 60 LED	T14.11.01.00-1	/	23.09.2024
SIF 60 LED	T14.11.01.00-2	/	23.09.2024
SIF 60 LED/E	T14.11.01.00-3	/	23.09.2024
SIF 60 LED/E	T14.11.01.00-4	/	23.09.2024
LEDEx 05	T14.11.01.00-5	/	23.09.2024
Description of certification drawings T14.11.01.00	/	/	23.09.2024
Instruction for use linear LED fitting SIF 60 LED	TEPEX.RS.128	1	23.09.2024