



[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 26 ATEX 0014** Issue: **0**

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

Type: **PLFS-N 200 LED**

[5] Manufacturer: **TEP Ex d.o.o.**

[6] Address: **Medarska 69, 10000 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 26 CR 032**

[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 T5 Gb**  
**II 2D Ex tb IIIC T85°C Db**

Our ref.: 25.CRT.051

Date: 22.04.2026



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

**FIDITAS Ltd.**

Certification department

Approved:

Marino Kelava, M.E.Eng.





[13]

**SCHEDULE**

[14]

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

**FIDI 26 ATEX 0014**

[15]

**Description of product**

The LED light fitting consists of an 'eb/tb' enclosure with built-in 'db eb' LED modules, an 'db/tb' driver enclosure with built-in LED driver and 'eb/tb' connection chamber, with built-in 'eb' terminal blocks (Type CMC 1-2, manufacturer Connectwell Industries Pvt.; II 2G Ex eb IIC Gb; CSANe 21ATEX3017U).

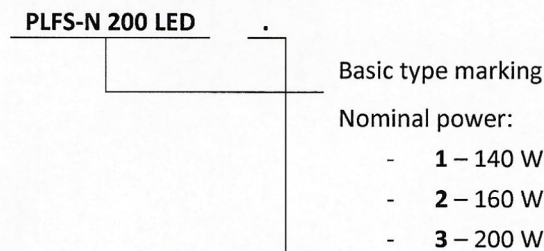
The aluminium enclosure of the LED light fitting is closed by cover that forms a metal frame with tempered glass. The cover is secured to the enclosure with screws. Sealing is ensured by cementing the glass to the frame with silicone adhesive and using a silicone seal between the frame and the enclosure.

The LED driver is built into the aluminum driver enclosure. The empty volume is filled with quartz sand. The enclosure is closed with a sealing screw connection and two aluminum covers secured against unscrewing. The driver enclosure is connected to the light fitting enclosure and connecting chamber with 'db' bushings.

Installation of light fitting is allowed only in working positions 0° to +45°.

Certified cable glands in the type of protection 'eb/tb', degree of mechanical protection IP66, are used for cable entry.

**Type marking:**



**Rated data:**

Rated voltage Un:	110 - 240 V, 50/60 Hz 220 Vdc
Rated power:	PLFS-N 200 LED - 1 – Pn = 140 W PLFS-N 200 LED - 2 – Pn = 160 W PLFS-N 200 LED - 3 – Pn = 200 W
Ambient temperature:	-30°C to +50°C, or -40°C to +50°C
Ingress protection:	IP 66
Working position:	from 0° (horizontal) to +45°

**Warning markings**

„WARNING! DO NOT OPEN WHILE ENERGIZED”  
„WARNING! SEE INSTALATION INSTRUCTION DOCUMENT”





**[16] Confidential Report No.** FIDI 26 CR 032

**[16.1] Routine testing**

The manufacturer shall carry out a dielectric strength test of the LED light fitting in accordance with clause 7.1 of EN IEC 60079-7.

The routine test of the driver enclosure according to EN 60079-1 is not required because four times the reference pressure is applied during the type overpressure testing.

**[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 PLFS-N 200 LED	/	/	20.04.2026
Instruction for use	TEPEX.RS.132	1	20.04.2026
Certification drawings:	T17.08.00.00-1	/	20.04.2026
	T17.08.00.00-2		20.04.2026
	T17.08.00.00-3		20.04.2026
Description of certification drawings No. T17.08.00.00	/	/	20.04.2026





[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 26 ATEX 0014** Izdanje: **0**

[4] Proizvod: **LED svjetiljka**

Tip: **PLFS-N 200 LED**

[5] Proizvođač: **TEP Ex d.o.o.**

[6] Adresa: **Medarska 69, 10000 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 26 CR 032**

[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 60079-31:2014**

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 IIC T5 Gb**  
**II 2D Ex tb IIIC T85°C Db**

Naš znak: 25.CRT.051

Datum: 22.04.2026.



**Fiditas**  
ZAGREB

**FIDITAS d.o.o.**  
**Odjel certifikacije**

Odobrio:

*Marino Kelava*  
Marino Kelava, dipl.ing.el.



[13]

**PRILOG**

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

**FIDI 26 ATEX 0014**

[15] **Opis proizvoda**

LED svjetiljka sastoji se od kućišta 'eb/tb' s ugrađenim LED modulom 'db eb', kućišta napajanja 'db/tb' s ugrađenim LED napajanjem i priključne komore 'eb/tb', s ugrađenim stezaljkama 'eb' (tip CMC 1-2, proizvođač Connectwell Industries Pvt.; II 2G Ex eb IIC Gb; CSANe 21ATEX3017U).

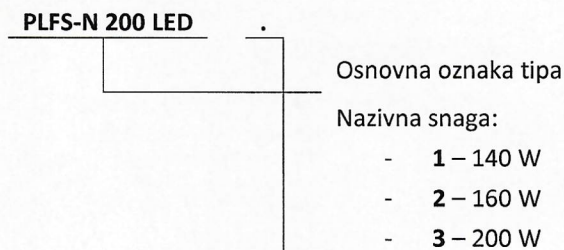
Aluminijsko kućište LED svjetiljke zatvoreno je poklopcem koji tvori metalni okvir s kaljenim staklom. Poklopac je pričvršćen na kućište vijcima. Brtvljenje se osigurava cementiranjem stakla na okvir silikonskim ljepilom i korištenjem silikonske brtve između okvira i kućišta.

LED napajanje ugrađen je u aluminijsko kućište. Prazan prostor ispunjen je kvarcnim pijeskom. Kućište je zatvoreno brtvenim vijčanim spojem i dva aluminijska poklopca osigurana od odvrtanja. Kućište napajanja spojeno je s kućištem svjetiljke i priključnom komorom pomoću 'db' provodnog izolatora.

Ugradnja svjetiljke dopuštena je samo u radnim položajima od 0° do +45°.

Za uvod kabela koriste se certificirane kableske uvodnice u vrsti zaštite 'eb/tb', stupnja mehaničke zaštite IP66.

**Tipska oznaka:**



**Nazivni podaci:**

Nazivni napon Un:	110 - 240 V, 50/60 Hz 220 Vdc
Nazivna snaga:	PLFS-N 200 LED - 1 – Pn = 140 W PLFS-N 200 LED - 2 – Pn = 160 W PLFS-N 200 LED - 3 – Pn = 200 W
Temperatura ambijenta:	-30°C do +50°C, ili -40°C do +50°C
Mehanička zaštita:	IP 66
Radni položaj:	od 0° (horizontalno) do +45°

**Natpis upozorenja**

“POZOR! NE OTVARAJ POD NAPONOM”  
„POZOR! VIDI UPUTE ZA INSTALIRANJE”





**[16] Povjerljivo izvješće br.** FIDI 26 CR 032

**[16.1] Pojedinačno ispitivanje**

- Proizvođač mora provesti pojedinačno ispitivanje dielektrične čvrstoće LED svjetiljke sukladno tč. 7.1 norme EN IEC 60079-7.
- Pojedinačno ispitivanje tlakom kućišta napajanja sukladno EN 60079-1 nije potrebno provoditi budući je tipno ispitivanje povećanog tlaka provedeno četverostrukim referentnim tlakom.

**[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 LED svjetiljke PLFS-N 200 LED	/	/	20.04.2026
Upute za uporabu	TEPEX.RS.132	1	20.04.2026
Certifikacijski crteži:	T17.08.00.00-1	/	20.04.2026
	T17.08.00.00-2		20.04.2026
	T17.08.00.00-3		20.04.2026
Opis certifikacijskih crteža No. T17.08.00.00	/	/	20.04.2026

