



[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: **TEPEX Ltd.**

[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: dd.03.2026

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).

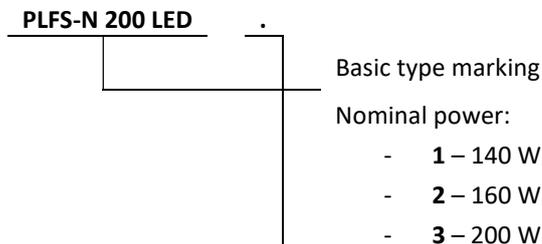
The aluminium enclosure of the LED light fitting is closed by cover that forms a glass frame with tempered glass. The cover is secured to the enclosure with screws. Sealing is ensured by cementing the glass to the frame with silicone adhesive and using a silicone seal between the frame and the enclosure.

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 |
| Mechanical 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 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 | / | / | dd.03.2026 |
| Instruction for use | TEPEX.RS.xxx | 1 | dd.03.2026 |
| Certification drawings: | xxxx, | / | dd.03.2026 |
| | xxx | | |
| | xxx | | |
| Description of certification drawings | xxxxx.00-1,2,3 | / | dd.03.2026 |