



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX FIDI 26.0014** Page 1 of 3 [Certificate history:](#)  
Status: **Draft** Issue No: 0  
Date of Issue: 2026-03-05  
Applicant: **TEPEX d.o.o.**  
Medarska 69  
Hr-10090 Zagreb  
Croatia  
Equipment: **LED Light fitting type: PLFS-N 200 LED**  
Optional accessory:  
Type of Protection: **Flameproof enclosure 'db'; Increased safety 'tb'; protection by enclosures 'tb'**  
Marking: **Ex db eb IIC T5 Gb**  
**Ex tb IIC T85°C Db**

DRAFT

Approved for issue on behalf of the IECEx  
Certification Body:

**Marino Kelava**

Position:

**Certification Signatory**

Signature:  
(for printed version)

Date:  
(for printed version)

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Certificate issued by:

**Fiditas Ltd**  
Slavka Tomerlina 44  
Zagreb-Sesvete HR-10361  
Croatia



**Fiditas**  
explosion safety solutions



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Manufacturer: **TEPEX d.o.o.**  
Medarska 69  
Hr-10090 Zagreb  
**Croatia**

Manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

## STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

## TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

HR/FIDI/ExTR26.0014/00

Quality Assessment Report:

[IT/CES/QAR16.0001/09](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The LED light fitting consists of an 'eb/tb' reflector 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.; Ex eb IIC Gb; IECEX SIR 20.0046U).

The aluminum 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: PLFS-N 200 LED \_

after basic type marking number is specified and represent nominal power:

1 - 140 W; 2 - 160 W or 3 - 200 W

## Rated data:

Rated voltage Un: 110 - 240 V, 50/60 Hz  
220 Vdc

Rated power: PLFS-N 200 LED - 1 - P<sub>n</sub> = 140 W  
PLFS-N 200 LED - 2 - P<sub>n</sub> = 160 W  
PLFS-N 200 LED - 3 - P<sub>n</sub> = 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“

**SPECIFIC CONDITIONS OF USE: NO**