



## 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 19 ATEX 0025** Issue: **2**

[4] Product: **Fluorescent lamp fitting**  
Type: **PSF 218; PSF 236; PSF 258**  
**PSF 218E; PSF 236E**

[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 23 CR 087**

[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 60079-31:2014**

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 IIC T4 Gb**

for PSF 218/ PSF 236

**II 2D Ex tb IIIA/IIIC T80°C Db**



**II 2G Ex db eb mb IIC T4 Gb**

for PSF 218E/ PSF 236E

**II 2D Ex tb IIIC T80°C Db**



**II 2G Ex db eb mb IIC T4 Gb**

for PSF 258

**II 2D Ex tb IIIA T80°C Db**

Our ref.: 23.CRT.336

Date: 08.09.2023



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

**FIDITAS Ltd.**  
Certification department  
Approved:

Marino Kelava, M.E.Eng.





[13]

**SCHEDULE**

[14] **EU - TYPE EXAMINATION CERTIFICATE No.:** **FIDI 19 ATEX 0025**

[15] **Description of product**

Light fitting type PSF is designed in type of protection increased safety “e” and protection by enclosure 'tb'. The enclosure is made of fibre-reinforced polyester. The following components are built inside of enclosure:

- interlocking switch type: PBT; type certificate FIDI 19 ATEX 0001U (I M2 Ex db eb I Mb; II 2G Ex db eb IIC Gb),
- lamp holders type: G13, type certificate FIDI 19 ATEX 0004U (II 2G Ex eb IIC Gb),
- electronic ballast type: SMP, type certificate FIDI 19 ATEX 0006U (II 2G Ex eb mb IIC Gb) and
- terminals type: CMC, SIRA 16 ATEX 3170U (II2G Ex eb IIC Gb).

Light fitting type PSF 218E and PSF 236E are designed to illuminate the room in case of danger and in relation to the basic type have an integrated electronic ballast type: EMEx 01/..., type certificate FIDI 19 ATEX 0005U (II2G Ex db eb mb IIC Gb).

For cable entry separately certified cable glands in type of protection increased safety ‘eb’ and protection by enclosure 'tb' shall be used.

| Technical data:           | Lamp fitting type                                |         |           |            |           |
|---------------------------|--|---------|-----------|------------|-----------|
|                           | PSF 218  | PSF 236 | PSF 258   | PSF 218/E  | PSF 236/E |
| Rated voltage [V]:        | 230  |         |           |            |           |
| Frequency [Hz]:           | 50 / 60  |         |           | 50         |           |
| Power [W]:                | 2×18   | 2×36    | 2×58      | 2×18       | 2×36      |
| Ambient temperature [°C]: | -20 / +50 for IIIC<br>-30 / +50 for IIC and IIIA |         | -20 / +50 | -20 / +40  |           |
| Battery:                  | /  |         | /         | 4,8 V/6 Ah | 4,8V/10Ah |
| Mechanical protection:    | IP 66 for Tamin= -20°C<br>IP 55 for Tamin= -30°C |         | IP 55     | IP 66      |           |

[16] **Confidential Report No.** FIDI 23 CR 087

[16.1] **Routine testing**

The manufacturer shall carry out routine test of dielectric strength according to clause 6.1 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 fluorescent light fitting type PSF 218/236/258 | -               | -           | 09.2023 |
| Instructions for use of fluorescent light fitting type PSF 218/236/258  | -               | 2           | 09.2023 |
| Description of certification drawings T13.91.00.00-1 do ...-16          | -               | -           | 09.2023 |
| Certification drawings:   |                 |             |         |
| Fluorescent light fitting PSF218  | T13.91.00.00-1  | -           | 09.2023 |
|   | T13.91.00.00-2  | -           | 09.2023 |
|   | T13.91.00.00-3  | -           | 09.2023 |
| Fluorescent light fitting PSF236  | T13.91.00.00-4  | -           | 09.2023 |
|   | T13.91.00.00-5  | -           | 09.2023 |
|   | T13.91.00.00-6  | -           | 09.2023 |
| Fluorescent light fitting PSF258  | T13.91.00.00-7  | -           | 09.2023 |
|   | T13.91.00.00-8  | -           | 09.2023 |
|   | T13.91.00.00-9  | -           | 09.2023 |
| Fluorescent light fitting PSF218E                                       | T13.91.00.00-10 | -           | 09.2023 |
|   | T13.91.00.00-11 | -           | 09.2023 |
|   | T13.91.00.00-12 | -           | 09.2023 |
| Fluorescent light fitting PSF236E                                       | T13.91.00.00-13 | -           | 09.2023 |
|   | T13.91.00.00-14 | -           | 09.2023 |
|   | T13.91.00.00-15 | -           | 09.2023 |
| Fluorescent light fitting PSF – important components                    | T13.91.00.00-16 | -           | 09.2023 |

