

[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: **EXA 18 ATEX 0087** Issue: **1**

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

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

[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] Ex-Agencija, Notified Body number 2465 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.: **EXA 18CR101**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A1:2013

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
II 2D Ex tb IIIA/IIIC T80°C Db

for

PSF 218/ PSF 236
PSF 218E/ PSF 236E



II 2G Ex db eb mb IIC T4 Gb
II 2D Ex tb IIIA T80°C Db

for

PSF 258

Date: 18.12.2018.

PB.18.TC.1094/SĐ



Ex-Agencija

Department of equipment certification

Approved by:

Damir Korunić
Damir Korunić, dipl.ing.el.

[13]

SCHEDULE

[14] **EU - TYPE EXAMINATION CERTIFICATE No.: EXA 18 ATEX 0087**

[15] **Description of product**

Light fitting type PSF is designed in type of protection increased safety "e". The enclosure is made of fiber-reinforced polyester. The following components are built inside of enclosure: 'Ex de' interlocking switch, 'Exe' lamp holders, 'Ex eb mb' electronic ballas and 'Ex e' terminals.

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 EXA 16ATEX0019U (II2G Ex db eb mb IIC Gb).

For cable entry separately certified cable glands in type of protection increased safety 'e' shall be used.

Rated data:

	Lamp fitting type				
	PSF 218	PSF 236	PSF 258	PSF 218/E	PSF 236/E
Rated voltage [V]	220 - 240				
Frequency [Hz]	50 - 60				
Power [W]	2×18	2×36	2×58	2×18	2×36
Ambient temperature [°C]	-20 / +50 for IIIC -30 / +50 for IIC and IIIA		-20 / +50	-20 / +40	
Battery	/		/	4,8 V/6 Ah	4,8V/10Ah
IP protection	IP 66 for Tamin= -20°C IP 55 for Tamin= -30°C		IP 55	IP 66	

[16] **Confidential Report No.** EXA 18CR101

[16.1] **Routine testing**

The manufacturer shall carry out the dielectric strenght with test voltage (2Un+1000) V in period of 1 min or 1 500 V whichever is greater, or 1,2×(2Un+1000) V at least 100 ms .

[17] **Specific Conditions of Use**

None

[18] **Essential Health and Safety Requirements**

Covered by the standards listed at item 9.

[19] Drawings and Documents

Title:	Drawing No.:	Rev. level:	Date:
Technical description of Ex-protected fluorescent light fitting type PSF 218/236/258	-	-	03.12.2018.
Certification drawings:			
Fluorescent light fitting PSF218	T13.91.00.00-1		
	T13.91.00.00-2	-	03.12.2018.
	T13.91.00.00-3		
Fluorescent light fitting PSF236	T13.91.00.00-4		
	T13.91.00.00-5	-	03.12.2018.
	T13.91.00.00-6		
Fluorescent light fitting PSF258	T13.91.00.00-7		
	T13.91.00.00-8	-	03.12.2018.
	T13.91.00.00-9		
Fluorescent light fitting PSF218E	T13.91.00.00-10		
	T13.91.00.00-11	-	03.12.2018.
	T13.91.00.00-12		
Fluorescent light fitting PSF236E	T13.91.00.00-13		
	T13.91.00.00-14	-	03.12.2018.
	T13.91.00.00-15		
Fluorescent light fitting PSF – important components movement	T13.91.00.00-16	-	03.12.2018.
Description of certification drawings			
T13.91.00.00-1 do ...-16	-	-	03.12.2018.
Instructions for use of Ex-protected fluorescent light fitting type PSF 218/236/258	-	-	03.12.2018.