

[1] **EC – TYPE EXAMINATION CERTIFICATE**

[2] Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC

[3] EC-Type Examination Certificate Number: **EXA 14 ATEX 0028** Issue: **2**

[4] Equipment or Protective System: **Pendant light fitting**

Type: **PLFS LED 50/.**

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

[6] Address: **Medarska 69, 10090 Zagreb, Croatia**

[7] This equipment or protective system 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 according to Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment or protective system intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in confidential report number: **EXA 15CR0006**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012/A11:2013 EN 60079-1:2007 EN 60079-7:2007 EN 60079-31:2009

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 equipment or protective system is subject to specific conditions for safe use specified in the schedule to this certificate.

[11] This EC-Type Examination Certificate relates only to the design, examination and test of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:



II 2G Ex d e IIC T6/T5 Gb
II 2D Ex tb IIIC T80°C/T85°C Db

Date: 20.02.2015

PB.14.TC.1255/AH

Prepared:

Ana Hađak, dipl.ing.



Ex-Agencija

Department of equipment certification

Approved:

Damir Korunić, dipl.ing.



[13]

SCHEDULE

 [14] **EC - TYPE EXAMINATION CERTIFICATE No.:** EXA 14 ATEX 0028

[15] Description of Equipment or Protective System

Light fitting is designed in type of protection flameproof enclosure "d". The enclosure body with frame of the glass makes a thread joint. Terminal box is designed in type of protection increased safety "e".

PLFS LED 50/

basic type code
rated voltage:

- 1 – 90-305 V AC/127-431 V DC
- 2 – 12-60 V AC/DC

Rated data	
Rated voltage	90-305 V AC/127-431 V DC 12-60 V AC/DC
Power	50 W
Tamb	-40°C to +40°C (T6 and/or T80°C) -40°C to +50°C (T5 and/or T85°C)

Minimum width of joints (L) are shown in the following table:

Flameproof joint	Joints [mm]				
	L	c	d	Korak	i _{max}
Enclosure – glass frame (M195x2 – 6H6g)	16	/	/	2	/
Enclosure – bushing (M20x1,5 – 6H6g)	13,5	/	/	1,5	/

[15.1] Documentation

Title:	Drawing No.:	Rev. level:	Date:
Technical description of ex-protected pendant light fitting, type PLFS LED 50/.(5 pgs.)	-	-	10.12.2014
Certification drawing light fitting PLFS LED 50/.	T 17.02.02.00-1	-	10.12.2014
Certification drawing light fitting PLFS LED 50/.	T 17.02.02.00-2	-	10.12.2014
Description of certification drawing T17.02.02.00 pendant light fitting, tip PLFS LED 50/. (6 pgs.)	-	-	10.12.2014
Instructions for use ex-protected light fitting type PLFS LED 50/. (6 pgs.)	-	1	10.12.2014

[16] Confidential Report No. EXA 15CR0006

[16.1] Routine testing

The manufacturer shall carry out the following routine tests:

- overpressure test with pressure not less than 18.5 bars in a period of at least 10 s,
- dielectric strength with test voltage: (2Un+1000)V in period of at least 60 s or 1,2×(2Un+1000)V in period of at least 100 ms (or with test voltage applied 500 V for type intended for supply voltage 12-60 V for a period at least 60 s).

[17] Specific Conditions for Safe Use 'X'

None.

[18] Essential Health and Safety Requirements

Covered by the standards listed at item 9.