

[1] SUPPLEMENTARY EU – TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU.

[3] Supplementary EU-Type Examination Certificate Number: **EXA 18 ATEX 0004/1**

[4] Product: **Linear LED emergency light fitting**

Type: **PSF 28 LED-E, PSF 52 LED-E**

[5] Manufacturer: **TEP Ex Ltd.,**

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

[7] This supplementary certificate extends EU– Type Examination Certificate to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule to this certificate and the 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, as modified by this supplementary certificate, 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.

[9] The examination and test results are recorded in confidential Report No.: **EXA 18CR064**

[10] The marking of the product shall include the following:



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

Date: 20.12.2018.

PB.18.TC.1094/AH

Ex-Agencija

Department of equipment certification

Approved by:

Damir Korunić, dipl.ing.el.



[11] SCHEDULE**[12] SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE No.:****EXA 18 ATEX 0004/1****[13] Description of the variation to the Product**

Supplementary certificate refers to additional type of emergency LED light fitting with battery module. Conformity assessment is carried out according to the new editions of standards: EN IEC 60079-0: 2018; EN IEC 60079-7: 2015+A1:2018.

Enclosure is made of fiber-reinforced polyester and a polycarbonate cover.

The housing is fitted with a base plate mounted on it: Ex mb op is LED module with thermal protection, Ex db LED safety driver, Ex eb battery module, Ex db eb battery protection module, Ex mb LED indicator, Ex eb terminal and Ex db eb interlocking switch.

Cable entries: two cable glands Ex eb M25 for cable ϕ 7-15 mm and two Ex eb plugs.

Type of product:

PSF .. LED -.



basic type code

size of enclosure and power of LED module:

- 28 LED-E – enclosure PSF 218, rated power 28 W,
- 52 LED-E – enclosure PSF 236, rated power 56 W.

Rated data

Rated voltage	230 V AC; 50 Hz	
Rated current	350 mA	
Battery	6 V; 6 Ah	
Rated power	type PSF 28 E	28 W
	type PSF 52 E	56 W
Ambient temperature [°C]	-20°C to +40°C	

[14] Confidential Report No. EXA 18CR064**[14.1] Routine testing**

The manufacturer shall carry out the following routine tests:

- 1) Dielectric strength test of light fitting with test voltage 1500V in period of 60 s or with voltage 1800V in period of 100 ms.
- 2) Dielectric strength test of battery protection module with test voltage 500V in period of 60 s or with voltage 600V in period of 100 ms.
- 3) Insulation resistance testing of battery according to cl. 6.6.2. standard EN IEC 60079-7.

[15] Specific Conditions of Use

None

[16] Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

[17] Drawings and Documents

Title:	Drawing No.:	Rev. level:	Date:
Technical description of Ex-protected pendant emergency light fitting type PSF 28 LED-E, PSF 52 LED-E	-	-	12.2018.
Certification drawings:			
LED linear emergency light fitting type PSF 28 LED-E	T16.01.00.00-1	-	12.2018.
LED linear emergency light fitting type PSF 52 LED-E	T16.01.00.00-2	-	12.2018.
LED linear emergency light fitting type PSF 28 LED-E	T16.01.00.00-3	-	12.2018.
LED linear emergency light fitting type PSF 52 LED-E	T16.01.00.00-4	-	12.2018.
LED linear emergency light fitting type PSF 28 LED-E	T16.01.00.00-5	-	12.2018.
LED linear emergency light fitting type PSF 52 LED-E	T16.01.00.00-6	-	12.2018.
LED linear emergency light fitting type PSF 28/52 LED-E (parallel movements in critical components)	T16.01.00.00-7	-	12.2018.
LED emergency driver DRIVEx 02	T16.01.00.00-8	-	12.2018.
Battery module BATEX 02	T16.01.00.00-9	-	12.2018.
Battery protection module BSM 01	T16.01.00.00-10	-	12.2018.
LED emergency driver DRIVEx 02 – EI. shema	T16.01.00.00-11	-	12.2018.
LED emergency driver DRIVEx 02 – EI. schema	T16.01.00.00-12	-	12.2018.
Battery protection module BSM 01– EI. schema	T16.01.00.00-13	-	12.2018.
Battery protection module BSM 01– EI. schema	T16.01.00.00-14	-	12.2018.
Battery protection module BSM 01– EI. schema	T16.01.00.00-15	-	12.2018.
Description of certification drawing T16.01.01.00-1...15, emergency LED linear light fitting type PSF 28 LED-E, PSF 52 LED-E	-	-	12.2018.
Instructions for use of Ex-protected linear LED emergency light fitting type PSF 28 LED-E, PSF 52 LED-E	TEPEX.RS.095	0	12.2018.