



## Type Examination Certificate

(1)

(2)

Equipment or Protective Systems Intended for Use  
in Potentially Explosive Atmospheres  
(Directive 2014/34/EU)

(3) Type Examination Certificate number:

**FTZÚ 21 ATEX 0092X**

(4) Product: **Flameproof luminaire type 591 32 01n, 591 32 02n, 591 32 24n  
and MULTISAFE LED type 591 32 01nEM, 591 32 02nEM**

(5) Manufacturer: **Elektrosvit Svatobořice, a.s.**

(6) Address: **Nádražní 1290/44, 696 04 Svatobořice-Mistřín, Czech Republic**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute 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 to Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014.

The examination and test results are recorded in confidential Report number:

**21/0092 dated 24.11.2021**

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018, EN IEC 60079-15:2017, EN 60079-31:2014**

(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 type examination certificate relates only to the design of the specified product and not to specific items of equipment subsequently manufactured.

(12) The marking of the product shall include the following:



**II 3G Ex nR IIC T6 Gc  
II 3D Ex tc IIIC T80°C Dc**

This certificate is valid till: **30.11.2026**

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 25.11.2021

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Physical-Technical Testing Institute  
Ostrava - Radvanice

(13)

Schedule

(14)

Type Examination Certificate No. FTZÚ 21 ATEX 0092X

(15) Description of Product:

A flameproof luminaire is composed of the enclosure comprises a body, flange with light transmitting cover and safe guard of zinc-coated steel wire. The body of the luminaire and flange are manufactured from aluminium alloy, and they are tighten through silicon gasket. Their mutually fixation is made by steel screws and with one swing bolt. Inside of luminaire is situated steel plate on which is mounted electrical package and connection terminal block. On the side of the body are two holes for Ex-cable glands determined for cables with diameter from 7 mm to 13 mm.

**Basic technical data:**

El. parameters / Type luminaire	591 32 01n	591 32 02n	591 32 24n	591 32 01nEM	591 32 02nEM
Rated Voltage	198-264 V AC / 176-280V DC		9 - 60 V DC	230 V	
Rated Current	0.14 A	0.09 A	0.7 A	--	--
Type of Battery Pack	--	--	--	NiMH 4.8 V 4000 mAh	NiMH 7.2 V 4000 mAh
Frequency	50 / 60 Hz		--	50 Hz	
Power of luminaire	30 W	20 W	12 W	10 W / 7.2 W	17 W / 12 W
LED light source	UNI5-LUMILEDS 3030 HE plus			3x LED OSRAM	10x LED LUMILED
Degree of IP protection	IP 65				

(16) Report Number: 21/0092

(17) Specific Conditions of Use:

1. Ambient temperature range:  $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$  for type 591 32 01n and 591 32 02n;  
 $-25^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C}$  for type 591 32 24n;  
 $+5^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$  for type 591 32 01nEM and 591 32 02nEM.
2. Luminaires shall be used only with safe guard.
3. The luminaire is intended for fixed installation and must be labelled "Warning - potential danger of electrostatic charging".
4. The conditions of maintenance must be complied – see User manual.

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 25.11.2021

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Physical-Technical Testing Institute  
Ostrava - Radvanice

(13)

Schedule

(14)

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(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this certificate.

(19) Drawings and Documents:

Number	Sheets	Date	Description
495.3679	3	06.10.2021	Technical description; User manual 591 32 01n; 591 32 02n
1-591 32 01n, 02n	1	02.09.2021	Assembly drawing
R-591 32 01n,02n	5	01.06.2021	Material list
4-99.6351	1	08.09.2021	Drawing
495.3731	3	06.10.2021	Technical description; User manual 591 32 24n
0-591 32 24n	1	16.06.2021	Assembly drawing
R-591 32 24n	5	01.06.2021	Material list
495.3681	3	06.10.2021	Technical description; User manual 591 32 01nEM; 591 32 02nEM
0-591 32 01nEM	1	06.06.2021	Assembly drawing
R-591 32 01 nEM,02nEM	4	01.06.2021	Material list
13-Y-20-03/a	1	01.04.2014	Drawing
13-Y-21-02/b	2	25.03.2020	Drawing
123-Z-21/a	2	24.09.2019	Drawing
13-S-20-01/a	1	31.03.2014	Drawing
13-Z-20/b	1	14.10.2019	Drawing

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