



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 0106X

(4) Product: **Flameproof luminaire ERIS LED type 591 15 01n(K), 591 15 02n(K), 591 15 03n(K)**

(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:

21/0106 dated 16.12.2021


(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: **31.12.2026**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 22.12.2021

Page: 1/3



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14)

Type Examination Certificate No. FTZÚ 21 ATEX 0106X

(15) Description of Product:

The explosion-proof luminaire consists of a custom body, a flange with a protective glass seal, an LED module, and a shade. For type **K**, the luminaire also includes a protective basket. The body and flange are cast in AISi alloy, the protective basket is made of galvanised steel wire, the shade is made of aluminium. The flange with the protective glass is fixed to the luminaire body via EPDM seals with steel screws. Inside the luminaire there is a mounting plate on which the luminaire's electrical equipment and connection terminals are installed. The luminaire is fitted with two Ex cable glands for 7 to 13 mm outer diameter cable or a plug.

Basic technical data:

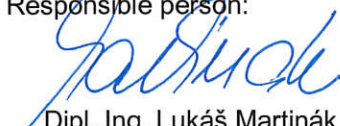
Electrical parameters / Luminaire type	591 15 01n(K)	591 15 02n(K)	591 15 03n(K)
Nominal voltage	198-264 V AC / 176-280V DC		
Nominal current	0.155 A	0.114 A	0.07 A
Frequency	0 / 50 / 60 Hz		
Power consumption	35 W-	25 W	15 W
LED light source	LED DPS FARMER 35/25/15W		
LED type:	LUXEON 3030 HE Plus		
LED Driver	TRIDONIC LCO 40 200-1050 mA 64 V one 4all NFC C EXC3		
Degree of protection	IP 66		

(16) Report Number: 21/0106

(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 15 01n, 591 15 02n and 591 15 03n
2. The luminaire is intended for fixed installation and must be labelled "Warning - potential danger of electrostatic charging".
3. The conditions of maintenance must be complied – see User manual.

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 22.12.2021

Page: 2/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 00 Ostrava - Radvanice, Czech Republic
tel.: +420 595 223 111, +420 604 203 525, e-mail: ftzu@ftzu.cz, www.ftzu.cz



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14)

Type Examination Certificate No. FTZÚ 21 ATEX 0106X

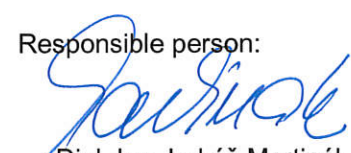
(18) Essential Health and Safety Requirements:

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
475.3015	3	--	Technical description; User manual 591 15 01n; 591 15 02n and 591 15 03n
0-591 15 01n	1	17.09.2021	Assembly drawing
R-591 15 01n, 02n, 03n	5	30.09.2021	Material list
4-99.6323	1	12.08.2021	Drawing
451.5046	1	27.01.1997	Drawing
245.5021	1	05.02.1979	Drawing
301.2647	1	21.09.2021	Drawing
332.2552	1	26.01.2012	Drawing
272.5022	1	18.11.2020	Drawing
001.2623	1	08.02.2005	Drawing
2-99.6325	1	14.02.2020	Drawing

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 22.12.2021

Page: 3/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 00 Ostrava - Radvanice, Czech Republic
tel.: +420 595 223 111, +420 604 203 525, e-mail: ftzu@ftzu.cz, www.ftzu.cz