



(1) **Supplementary Type Examination Certificate No. 5**

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

(3) Type Examination Certificate number:

FTZÚ 03 ATEX 0334

(4) Product: **Luminaire type 511 14 07n(..) and 591 15 01n**

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

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

(7) This supplementary certificate extends Type Examination Certificate No. FTZÚ 03 ATEX 0334 to apply to products 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 attached to this certificate and the documents therein referred to.

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

(9) In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

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

EN 60079-0:2012+A11:2013, EN 60079-15:2010, EN 60079-31:2014

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

 **II 3G Ex nR IIC T6-T3 Gc**

 **II 3D Ex tc IIIC T_{max,surface} – see (Annex No. 1) Dc**

(12) This certificate is valid till: **30.04.2023**

Responsible person:

Date of issue: 17.04.2018

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Annex: 1 (2 pages)


Dipl. Ing. Lukáš Martinák
Head of Certification Body





Physical-Technical Testing Institute
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(13)

Schedule

(14) **Supplementary Type Examination Certificate No. 5
to FTZÚ 03 ATEX 0334**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified apparatus: in case of type 511 14 07 n, the type of variation was varied:
 - a) type 511 14 07 nF $-40^{\circ}\text{C} < T_{\text{amb}} < +40^{\circ}\text{C}$;
 - b) type 511 14 07 nFt $-40^{\circ}\text{C} < T_{\text{amb}} < +50^{\circ}\text{C}$;
 - c) a type 511 14 07 n luminaire was modified for use of another light source LED DPS and subsequently to change type mark on type 591 15 01n.
- Evaluation according to the newest standards: EN 60079-0:2012+A11:2013, EN 60079-15:2010, EN 60079-31:2014.
- Manufacturer was changed address from ELEKTROSVIT Svatobořice, a.s., Nádražní 277 to **new**: ELEKTROSVIT Svatobořice, a.s., **Nádražní 1290/44**, 696 04 Svatobořice-Mistřín.
- Prolongation of certificate validity.

Basic technical data - see Annex No.1

(16) Report Number.: 03/0334/5

(17) Specific Conditions of Use: None.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Sheets	Issue	Date	Description
475.3015	2	3	04/2018	Technical description 511 14 07 n(..)
495.3693	2	--	04/2018	Technical description 591 15 01 n
0-59115-01 n	1	--	21.09.2016	Flameproof luminaire ERIS

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 17.04.2018

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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.

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Physical-Technical Testing Institute
Ostrava - Radvanice

ANNEX No. 1

**to Supplementary Type Examination Certificate No. 5
to FTZÚ 03 ATEX 0334**

Basic technical data

Type: 511 14 07 n

Lamps:	Bulb	Mixed-light lamp HWL	HP Merkury lamp HQL		Compact fluor. lamp DULUX EL	Halogen lamp Philips EcoClassic
Power supply	200 W	160 W	80 W	125 W	23 W 18 W	140 W
Temperature class	T4	T4	T5	T4	T6	T4
Tmax. surface	104 °C	99 °C	95 °C	121 °C	59 °C	108 °C
Type of ballast box	--	--	604.6 ntB	604.6 ntA	--	--
Amb. temperature	-20 °C to +40 °C					

Type: 511 14 07 nt

Lamps:	Bulb	Mixed-light lamp HWL	HP Merkury lamp HQL		Compact fluor. lamp DULUX EL	Halogen lamp Philips EcoClassic
Power supply	200 W	160 W	80 W	125 W	23 W 18 W	140 W
Temperature class	T4	T4	T4	T3	T6	T4
Tmax. surface	114 °C	109 °C	105 °C	131 °C	69 °C	118 °C
Type of ballast box	--	--	604.6 ntB	604.6 ntA	--	--
Amb. temperature	- 20 °C to + 50 °C					

Type: 511 14 07 nSt

Lamps:	Bulb	Compact fluor. lamp
	100 W max. / 24 V DC to 230 V DC	EL FACILITY 18 W / E27 / 230 V AC
Temperature class	T4	T6
Tmax. surface	100 °C	69 °C
Amb. temperature	-20 °C to +50 °C	

Type: 511 14 07 nS

Lamps:	Bulb
	60 W max. / 110 V DC
Temperature class	T5
Tmax. surface	90 °C
Amb. temperature	-20 °C to +55 °C

Responsible person:


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Physical-Technical Testing Institute
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ANNEX No. 1

**to Supplementary Type Examination Certificate No. 5
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Type: 511 14 07 nF

Lamps:	Bulb	Mixed-light lamp HWL	HP Merkury lamp HQL		Halogen lamp Philips EcoClassic
Power supply	200 W	160 W	80 W	125 W	140 W
Temperature class	T4	T4	T5	T4	T4
Tmax. surface	104 °C	99 °C	95 °C	121 °C	108 °C
Type of ballast box	--	--	604.6 ntB	604.6 ntA	--
Amb. temperature	-40 °C to +40 °C				

Type: 511 14 07 nFt

Lamps:	Bulb	Mixed-light lamp HWL	HP Merkury lamp HQL		Halogen lamp Philips EcoClassic
Power supply	200 W	160 W	80 W	125 W	140 W
Temperature class	T4	T4	T4	T3	T4
Tmax. surface	114 °C	109 °C	105 °C	131 °C	118 °C
Type of ballast box	--	--	604.6 ntB	604.6 ntA	--
Amb. temperature	-40 °C to +50 °C				

Type: 591 15 01n

Lamps:	LED DPS 30W 220-240 V AC, 190-245 V DC
Power supply	30 W
Temperature class	T6
Tmax. surface	75 °C
Amb. temperature	-40 °C to +50 °C

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