



Physical Technical Testing Institute
Ostrava – Radvanice



(1) **Supplement No. 5 to
EC-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 94/9/EC)**

(3) EC-Type Examination Certificate Number:

FTZÚ 02 ATEX 0158X

(4) Equipment or protective system: **Flameproof luminaire type 511 37 01, 591 39 01 and 591 39 02**

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

(6) Address: **Nádražní 277, 696 04 Svatobořice-Mistřín, Czech Republic**

(7) This supplement of certificate is valid for: - prolongation validity of the certificate
- verification according to new standard

(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, a list of which is mentioned in the schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains other requirements, which manufacturer shall fulfil before products are placed on the market or introduce in service.

(10) Safety requirements of modified parts were fulfilled by satisfying the following standards:

EN 60079-0:2012; EN 60079-1:2007; EN 60079-31:2009;

(11) Marking of equipment shall contain symbols:



I M2 Ex d I Mb



II 2G Ex d IIB T4-T6 Gb



II 2D Ex tb IIIC T_{max,surface} (- see Annex No.1) Db

(12) This type examination certificate is valid till: **30.09.2020**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 29.09.2015

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Annex: 1 (2 pages)

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This supplement to certificate may only be reproduced in its entirety and without any change, schedule included.

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tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz



Physical Technical Testing Institute
Ostrava – Radvanice

(13)

Schedule

(14)

Supplement No. 5 to
EC-Type Examination Certificate N° FTZÚ 02 ATEX 0158X

(15) Description of Equipment or Protective System:

The flameproof luminaires type 511 37 01, 591 39 01 and 591 39 02 are recertified according to standard EN 60079-0:2012.

Equipment parameters are without any changes.

(16) Report No.: 02/0158-5

dated: 25.09.2015

(17) Special conditions for safe use:

Maximum design gaps of flameproof joints are smaller than maximum permitted gaps according to standard. Verified values of design gaps are mentioned in documentation, a list of which is given in clause (19) of this certificate.

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (10) of this certificate.

(19) List of Documentation:

Document no.: R-511 37 01 rev.3

(8 pages)

28.08.2015

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



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Annex: 1 (2 pages)

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Physical Technical Testing Institute
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Annex No. 1

to Supplement No. 5 to EC-Type Examination Certificate N° FTZÚ 02 ATEX 0158X

Basic technical data:

Type: 511 37 01

Marking of equipment shall contain symbols: I M2 Ex d I Mb
 II 2G Ex d IIB T4-T6 Gb
 II 2D Ex tb IIIC Tmax. surface (see below tab.) Db
IP 65

Rated voltage: 230 V/50Hz; 220 V/0 Hz

Ambient temperature: -20 °C to +40 °C

Table:

Light source:	Incandescent lamp				Compact fluorescent lamp DULUX EL	Mixed-light lamp HWL
	200 W 230V/50Hz	150 W 230V/50Hz	60 - 100 W 230V/50Hz	100 W 220V/0Hz	max. 23 W	160 W
Temperature class	T4	T5	T6	T5	T6	T5
Max. surface temperature	105 °C	92 °C	80 °C	85 °C	60 °C	90 °C

Light source:	Halogen bulb Philips EcoClassic30			Compact fluorescent lamp Philips Master PL Electronic
	140 W	105 W	70 W	23 W
Temperature class:	T4	T5	T6	T6
Max. surface temp:	105 °C	91 °C	79 °C	62 °C

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Annex No. 1

to Supplement No. 5 to EC-Type Examination Certificate N° FTZÚ 02 ATEX 0158X

Type: 591 39 01




Marking of equipment shall contain symbols:  I M2 Ex d I Mb
 II 2G Ex d IIB T4-T6 Gb
 II 2D Ex tb IIIC T56°C Db
IP 65

Rated voltage: 230 V/50Hz

Ambient temperature: -20 °C to +40 °C

Light source:	6 x Cree LED – type XP-G
Output light source:	max. 3 W
Power supply:	24 W
Temperature class	T6
Max. surface temp.	+56 °C

Type: 591 39 02

Marking of equipment shall contain symbols:  I M2 Ex d I Mb
 II 2G Ex d IIB T4-T6 Gb
 II 2D Ex tb IIIC T56°C Db
IP 65

Rated voltage: 230V/50Hz

Ambient temperature: -20°C to +40°C

Light source:	6 x Cree LED – type XM-L
Output light source:	max. 3 W
Power supply	15 W
Temperature class	T6
Max. surface temp.	+56 °C

Responsible person:


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