



(1) **Supplementary Type Examination Certificate No. 2**

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

(3) Type Examination Examination Certificate number:

**FTZÚ 21 ATEX 0092X**

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

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

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

(7) This supplementary certificate extends Type Examination Certificate No. FTZÚ 21 ATEX 0092X 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) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018, EN 60079-15:2010, 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) The marking of the product shall include the following:

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

 **II 3D Ex tc IIIC T80°C Dc**

(12) This certificate is valid till: **31.05.2030**

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 12.05.2025

Page: 1/3

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  
Ostrava - Radvanice**

(13)

**Schedule**

(14)

**Supplementary Type Examination Certificate No. 2  
to FTZÚ 21 ATEX 0092X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified apparatus.
- Extension of certificate validity.

The subject of this supplementary certificate is extension of certificate validity, evaluation of product type 591 32 01n with new alternative LED driver modules according to the actual valid standards. The mechanical design of product remains unchanged. Technical parameters of product remain unchanged. The list of actualized documents is listed in clause (19) of this document.

The product with all variants was also evaluated according to standard EN IEC 60079-15:2019.

Technical parameters: recapitulation

| 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<br>4000 mAh | NiMH 7.2 V<br>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<br>OSRAM        | 10x LED<br>LUMILED     |
| Degree of IP protection         | IP 65                      |            |             |                        |                        |

| El. parameters / Type luminaire | 591 32 24n AC              |
|---------------------------------|----------------------------|
| Rated Voltage                   | 24 V AC                    |
| Rated Current                   | 0.7 A                      |
| Frequency                       | 50 Hz                      |
| Power of luminaire              | 12 W                       |
| LED light source                | UNI5-LUMILEDS 3030 HE plus |
| Degree of IP protection         | IP 65                      |
| Ambient temperature             | -20°C ≤ Ta ≤ +45°C         |

Responsible person:

*Lukáš Martinák*

Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 12.05.2025

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  
Ostrava - Radvanice

(13)

Schedule

(14)

Supplementary Type Examination Certificate No. 2  
to FTZÚ 21 ATEX 0092X

(16) Report Number: 21/0092/2

(17) Specific Conditions of Use:

1. Ambient temperature range:  $-40^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$  for type 591 32 01n and 591 32 02n;  
 $-25^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$  for type 591 32 24n;  
 $-20^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$  for type 591 32 24n AC;  
 $+5^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$  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.

(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 and by standard EN IEC 60079-15:2019.

(19) Drawings and Documents:

| Number            | Sheets | Date       | Description   |
|-------------------|--------|------------|---------------|
| 495.3679          | 11     | 22.04.2025 | User's manual |
| 1-591 32 01n, 02n | 1      | 14.01.2025 | Drawing       |

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 12.05.2025

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.