



## 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 18 ATEX 0048X**

(4) Product: **Luminaire type BASET-N-LED; MULTIBASET-N-LED and BASET-N-Em-LED**

(5) Manufacturer: **VYRTYCH a.s**

(6) Address: **Židněves 116, 294 06 Březno, 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:

**18/0048 dated 14.09.2018**

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

**EN 60079-0:2012, 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) 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 T65°C Dc**

This certificate is valid till: **30.09.2023**

Responsible person:

Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 17.09.2018

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Physical-Technical Testing Institute  
Ostrava - Radvanice

(13)

Schedule

(14)

Type Examination Certificate No. FTZÚ 18 ATEX 0048X

(15) Description of Product:

The type BASET-N-LED, BASET-N-Em-LED (non-maintained emergency lighting) and MULTIBASET-N-LED (maintained emergency lighting) luminaire with degree of protection IP 66 is composed of three parts: body with exchangeable sealing, light-transmitting cover from polycarbonate and varnished steel plate (reflector) with electrical package.

The body and optical cover are connected by stainless steel clips. The body is equipped by Ex- cable glands (resp. Ex- blanking elements).

On the reflector are installed 2x three-pole or multi-pole terminal block WAGO for connection of power cable with wires to 2,5mm<sup>2</sup>, LED drivers or emergency units and battery pack type VBA-N.

As the light sources are used LED modules which are fixed on the reflector.

Electrical parameters:

Nominal Voltage: 220-240V AC; 50/60Hz

Nominal Voltage: 220-240V DC

TYPE CODING OF LUMINAIRE:

Type coding	Type
BASET - N- LED - 1R/2R* - X* - 4K	A type luminaire – standard lighting
MULTIBASET - N - LED - X* - 4K	A type luminaire - maintained emergency lighting
BASET- N- Em - LED - X* - 4K	A type luminaire - non-maintained emergency lighting

1R/2R - one or two lines of LED module

X\* - marking of luminous flux (lm)

4K\* - color temperature (K)

(16) Report Number.: 18/0048

Responsible person:

*L. J. J.*

Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 17.09.2018

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Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic  
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)

**Type Examination Certificate No. FTZÚ 18 ATEX 0048X**

(17) Specific Conditions of Use:

1. Ambient temperature range:  $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$  – BASET-N-LED-X-1R-4K  
 $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$  – BASET-N-LED-X-2R-4K  
 $0^{\circ}\text{C} \leq T_{\text{amb}} \leq +35^{\circ}\text{C}$  – MULTIBASET-N-LED-X  
 $0^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$  – BASET-N-Em-LED-X
2. The luminaire is intended for fixed installation and must be labelled "Warning - potential danger of electrostatic charging" - see Technical conditions.
3. The power supply cable shall be effectively damped to prevent pulling or twisting.
4. The Technical conditions of maintenance must be complied

(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	Issue	Date	Description
--	4	00	28.07.2018	Technical description
--	1	00	16.04.2018	Technical conditions for mounting
Assembly - 1R	1	--	15.05.2018	Drawing
Assembly - 2R	1	--	15.05.2018	Drawing
Labels	2	--	28.07.2018	Drawing

Responsible person:

Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 17.09.2018

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

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

(3) Type Examination Examination Certificate number:

**FTZÚ 18 ATEX 0048X**

(4) Product: **Luminaire type BASET-N-LED; MULTIBASET-N-LED and BASET-N-Em-LED**

(5) Manufacturer: **VYRTYCH a.s.**

(6) Address: **Židněves 116, 294 06 Březno, Czech Republic**

(7) This supplementary certificate extends Type Examination Certificate No. FTZÚ 18 ATEX 0048X 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**

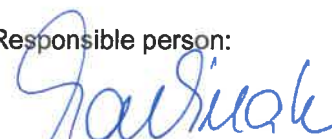
(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

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

 **II 3G Ex nR IIC T6 Gc  
II 3D Ex tc IIIC T65°C Dc**

(12) This certificate is valid till: **30.09.2028**

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 27.09.2023

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**Physical-Technical Testing Institute  
Ostrava - Radvanice**

(13)

**Schedule**

(14)

**Supplementary Type Examination Certificate No. 1  
to FTZÚ 18 ATEX 0048X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standards EN IEC 60079-0:2018 and EN IEC 60079-15:2019;
- Extension of certificate validity.

The subject of this supplement is the extension of the certificate validity and evaluation of the product according to the newest editions of the standards. The design and technical parameters of the certified product remain unchanged.

(16) Report Number: 18/0048/1

(17) Specific Conditions of Use:

1. Ambient temperature range:  $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$  – BASET-N-LED-X-1R-4K  
 $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$  – BASET-N-LED-X-2R-4K  
 $0^{\circ}\text{C} \leq T_{\text{amb}} \leq +35^{\circ}\text{C}$  – MULTIBASET-N-LED-X  
 $0^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$  – BASET-N-Em-LED-X
2. The luminaire is intended for fixed installation and must be labelled "Warning - potential danger of electrostatic charging" - see Technical conditions.
3. The power supply cable shall be effectively damped to prevent pulling or twisting.
4. The Technical conditions of maintenance must be complied.

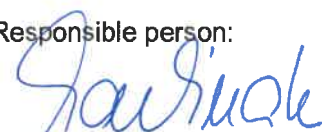
(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate and standard EN IEC 600479-15:2019.

(19) Drawings and Documents:

Issue	Sheets	Date	Description
00	4	28.07.2018	Technical description

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 27.09.2023

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