



## Type Examination Certificate

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

(3) Type Examination Certificate number:

**FTZÚ 16 ATEX 0102X**

(4) Product: **Luminaire type EXTRA-N-LED; MULTIEXTRA-N-LED and EXTRA-N-Em-LED**

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

(6) Address: **Bělehradská 314/18, 140 00 Praha 4, 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:

**16/0102 dated 24.10.2016**

(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.

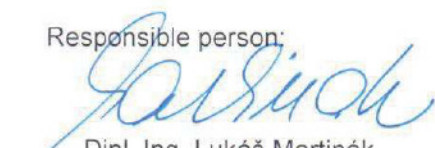
(12) The marking of the product shall include the following:

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

 **II 3D Ex tc IIIC T62°C Dc**

This certificate is valid till: **31.10.2021**

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 25.10.2016

Page: 1/3



Physical-Technical Testing Institute  
Ostrava - Radvanice

(13)

Schedule

(14)

**Type Examination Certificate No. FTZÚ 16 ATEX 0102X**

(15) Description of Product:

The type EXTRA-N-LED, EXTRA-N-Em-LED (non-maintained emergency lighting) and MULTIEXTRA-N-LED (maintained emergency lighting) luminaire with degree of protection IP 66 is composed of three parts: body with exchangeable sealing and 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
EXTRA – N- LED – X*YYY* - 4K	A type luminaire – standard lighting
MULTIEXTRA – N- LED – X*-YYY* - 4K	A type luminaire - maintained emergency lighting
EXTEND- N- Em - LED – X*-YYY*-4K	A type luminaire - non-maintained emergency lighting

X\* - marking of luminous flux (lm)

YYY\* - marking type of body of luminaire

(16) Report Number.: 16/0102

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 25.10.2016

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 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

Schedule

(13)

(14)

**Type Examination Certificate No. FTZÚ 16 ATEX 0102X**

(17) Specific Conditions of Use:

1. Ambient temperature range:  $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C}$  – EXTRA-N-LED-2500/7500-218/258-4K  
 $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$  – EXTRA-N-LED-5000-236-4K  
 $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$  – EXTRA-N-LED-5000/10000-218/236-4K  
 $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +35^{\circ}\text{C}$  – EXTRA-N-LED-12550-258-4K  
 $0^{\circ}\text{C} \leq T_{\text{amb}} \leq +35^{\circ}\text{C}$  – MULTIEXTRA-N-LED-2500-218-4K  
– EXTRA-N-Em-LED-2500-218-4K  
 $0^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C}$  – MULTIEXTRA-N-LED-5000/7500-236/258-4K  
– EXTRA-N-Em-LED-5000/7500-236/258-4K
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
--	6	00	18.10.2016	Technical description
--	1	01	19.10.2016	Technical conditions for mounting
Assembly	--	--	01.06.2016	Drawing
Labels	2	--	17.10.2016	Drawing

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 25.10.2016

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 07 Ostrava - Radvanice, Czech Republic  
tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz