



EU - Type Examination Certificate

(1)

(2)

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

(3) EU - Type Examination Certificate number:

FTZÚ 24 ATEX 0020X

(4) Product: **Luminaire type EXTRA-N-LED-2/21; MULTIEXTRA-N-LED-2/21 and EXTRA-N-Em-LED-2/21**

(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, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, 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 the Directive.

The examination and test results are recorded in confidential Report number:

24/0020 dated 23.04.2024

(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) This certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



**II 3G Ex nR IIC T6 Gc
II 2D Ex tb IIIC T80°C Db**

This certificate is valid till: **30.04.2029**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 24.04.2024

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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.



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

(13)

Schedule

(14) **EU - Type Examination Certificate No. FTZÚ 24 ATEX 0020X**

(15) Description of Product:

The type EXTRA-N-LED-2/21, EXTRA-N-Em-LED-2/21 (non-maintained emergency lighting) and MULTIEXTRA-N-LED-2/21 (maintained emergency lighting) luminaire with degree of protection IP 66 is composed of three parts: body from polycarbonate with exchangeable sealing and opal 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 2,5 mm², 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: 220-240 V AC; 50/60 Hz

Nominal Voltage: 220-240 V DC

TYPE CODING OF LUMINAIRE:

Type coding	Type
EXTRA-N- LED-2/21-X*YYY*-zK	A type luminaire – standard lighting
MULTIEXTRA-N-LED-2/21-X*-YYY*-zK	A type luminaire – maintained emergency lighting
EXTEND-N-Em-LED-2/21-X*-YYY*-zK	A type luminaire – non-maintained emergency lighting

- X*** - marking of luminous flux (lm)
YYY* - marking of type body of luminaire
zK - color temperature

The luminaire contains LEDs on the LED module that are considered as non-array divergent LEDs and these LEDs are to be excluded based on Clause 1 of EN 60079-28:2015.

The luminaire and its variants are evaluated according to the standard EN IEC 60079-15:2019.

(16) Report Number: 24/0020

Responsible person:

Lukáš Martinák
Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 24.04.2024

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

(13)

Schedule

(14) **EU - Type Examination Certificate No. FTZÚ 24 ATEX 0020X**

(17) Specific Conditions of Use:

1. Ambient temperature range:

- 20°C ≤ Tamb ≤ +60°C – EXTRA-N-LED-2/21-2500/5000-218/236-4K
- 20°C ≤ Tamb ≤ +55°C – EXTRA-N-LED-2/21-5000/7500-218/258-4K
- 20°C ≤ Tamb ≤ +45°C – EXTRA-N-LED-2/21-12550-258-4K
- 20°C ≤ Tamb ≤ +40°C – EXTRA-N-LED-2/21-10000-236-4K
- 20°C ≤ Tamb ≤ +40°C – EXTRA-N-LED-2/21-16700-258-4K
- 20°C ≤ Tamb ≤ +40°C – EXTRA-N-LED-2/21-20000-258-4K
- 0°C ≤ Tamb ≤ +35°C – MULTIEXTRA-N-LED-2/21-2500/12550-218/258-4K
- 0°C ≤ Tamb ≤ +40°C – MULTIEXTRA-N-LED-2/21-5000/7500-236/258-4K
- 0°C ≤ Tamb ≤ +50°C – EXTRA-N-LED-2/21- Em-500-218/236/258-4K

- 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 fixed to prevent pulling or twisting.
- 4. The Technical conditions of operation and 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	Revision	Sheets	Date	Description
--	00	6	11.04.2024	Technical description
--	1	3	11.04.2024	Technical conditions of the installation and maintenance
Assembly	-	1	16.08.2021	Drawing
Labels	-	3	11.04.2024	Drawing

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



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