



## 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 16 ATEX 0162X**

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

(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:

**16/0162 dated 21.11.2016**

(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.

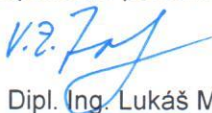
(12) The marking of the product shall include the following:

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

 **II 3D Ex tc IIIC T62°C Dc**

This certificate is valid till: **30.11.2021**

Responsible person:



Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 22.11.2016

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

(13)

**Schedule**

(14)

**Type Examination Certificate No. FTZÚ 16 ATEX 0162X**

(15) Description of Product:

The type EXTRA-N-S, EXTRA-N-S-Em (non-maintained emergency lighting) and MULTIEXTRA-N-S (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>, bi-pin lampholders, electronic ballast or emergency units and battery pack type VBA-N.

As the light sources are used bi-pin fluorescent lamps T16 (14/24/28/35/49/54/80W) or T26 (18/36/58W).

Electrical parameters:

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

Nominal Voltage: 220V-240V DC

**TYPE CODING OF LUMINAIRE:**

Type coding	Type
EXTRA-N-S*-X*YY*-EP*	A type luminaire – standard lighting
MULTIEXTRA-N-S-XY-EP	A type luminaire - maintained emergency lighting
EXTRA-N-S-Em-XY	A type luminaire - non-maintained emergency lighting

X\* - number of used bi-pin fluorescent lamps

YY\* - type of bi-pin fluorescent lamp 18/36/58W-T26; 14/24/28/35/49/54/80W-T16

EP\* - electronic ballast

S\* - silicone sealing

(16) Report Number.: 16/0162

Responsible person:

Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 22.11.2016

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



Physical-Technical Testing Institute  
Ostrava - Radvanice

(13)

Schedule

(14)

Type Examination Certificate No. FTZÚ 16 ATEX 0162X

(17) Specific Conditions of Use:

1. Ambient temperature range:

$-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$  – EXTRA-N-S (fluorescent lamp 1/2x 36W)

$-20^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$  – EXTRA-N-S (fluorescent lamp 1/2x 18/14/28/35/49W)

$-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$  – EXTRA-N-S (fluorescent lamp 1/2x 54W)

$-20^{\circ}\text{C} \leq T_a \leq +35^{\circ}\text{C}$  – EXTRA-N-S (fluorescent lamp 1/2x 24/58W)

$-20^{\circ}\text{C} \leq T_a \leq +30^{\circ}\text{C}$  – EXTRA-N-S (fluorescent lamp 1/2x 80W)

$0^{\circ}\text{C} \leq T_a \leq +35^{\circ}\text{C}$  – MULTIEXTRA-N-S (fluorescent lamp 1/2x 36/58/28/54W)

– EXTRA-N-S-Em (fluorescent lamp 1x 36/58/28/54W)

$0^{\circ}\text{C} \leq T_a \leq +30^{\circ}\text{C}$  – MULTIEXTRA-N-S (fluorescent lamp 1/2x 18/14/35/49/80W)

– EXTRA-N-S-Em (fluorescent lamp 1x 18/14/35/49/80W)

$0^{\circ}\text{C} \leq T_a \leq +25^{\circ}\text{C}$  – MULTIEXTRA-N-S (fluorescent lamp 1/2x 24W)

– EXTRA-N-S-Em (fluorescent lamp 1x 24W)

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 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
--	7	00	27.10.2016	Technical description
--	1	01	25.10.2016	Technical conditions for mounting
Assembly			20.10.2016	Drawing
Labels	7		24.10.2016	Drawing

Responsible person:

*V. Z. Jof*

Dipl. Ing. Lukáš Martinák  
Head of Certification Body



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