



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 17 ATEX 0026X

- (4) Product: **Luminaire type FILA-N-LED; MULTIFILA-N-LED and FILA-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:

17/0026 dated 24.04.2017

- (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 T63°C Dc**

This certificate is valid till: **30.04.2022**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 25.04.2017

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Physical-Technical Testing Institute
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Type Examination Certificate No. FTZÚ 17 ATEX 0026X

(15) Description of Product:

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

The body and optical cover are connected by hinges and screws. The body is equipped by Ex-cable glands (resp. Ex-blanking elements). Inside of body is installed three-pole terminal block WAGO for connection of power cable with wires to 2,5 mm².

On the reflector are installed connector terminal block ENSTO, 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 or 110-240V AC; 50/60Hz;
220-240V DC

TYPE CODING OF LUMINAIRE:

Type coding	Type
FILA – N- LED – X*YYY* - 4K	A type luminaire - standard lighting
MULTIFILA – N- LED – X*-YYY* - 4K	A type luminaire - maintained emergency lighting
FILA- N- Em - LED – X*-YYY*-4K	A type luminaire - non-maintained emergency lighting

- X* - marking of luminous flux (lm)
- YYY* - marking of type body of luminaire
- 4K - colour temperature (K)

(16) Report Number.: 17/0026

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(17) Specific Conditions of Use:

1. Ambient temperature range: $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$ – FILA-N-LED-X-218-4K
 $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ – FILA-N-LED-X-236-4K
 $-20^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$ – FILA-N-LED-X-418-4K
 $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ – FILA-N-LED-X-458/258/436-4K
 $0^{\circ}\text{C} \leq T_a \leq +35^{\circ}\text{C}$ – MULTIFILA-N-LED-X-218/418/236/436/258-4K
 $0^{\circ}\text{C} \leq T_a \leq +30^{\circ}\text{C}$ – MULTIFILA-N-LED-X-458-4K
 $0^{\circ}\text{C} \leq T_a \leq +35^{\circ}\text{C}$ – FILA-N-Em-LED-X-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 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	Issue	Sheets	Date	Description
--	00	9	19.04.2017	Technical description
--	00	2	19.04.2017	Technical conditions for mounting
Assembly	--	1	03.03.2017	Drawing
Labels	--	3	03.03.2017	Drawing

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