



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
Ostrava - Radvanice**

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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

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 25.04.2017

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Physical-Technical Testing Institute
Ostrava - Radvanice

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Schedule

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Type Examination Certificate No. FTZÚ 17 ATEX 0026X

(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.

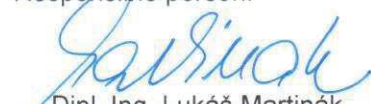
(18) Essential Health and Safety Requirements:

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

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 25.04.2017

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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 17 ATEX 0026X

(4) Product: **Luminaire type NORD-N-LED; MULTINORD-N-LED and NORD-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 17 ATEX 0026X 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 60079-0:2012+A11:2013, 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.

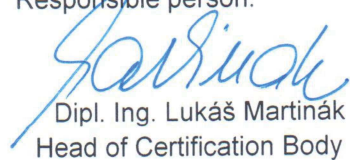
(11) The marking of the product shall include the following:

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

 **II 3D Ex tc IIIC T63°C Dc**

(12) This certificate is valid till: **30.04.2022**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 06.06.2017

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Physical-Technical Testing Institute
Ostrava - Radvanice

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Schedule

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Supplementary Type Examination Certificate No. 1
to FTZÚ 17 ATEX 0026X

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified apparatus.

This supplementary certificate modifies type marking of product. Primary type marking **FILA-N-LED; MULTIFILA-N-LED and FILA-N-Em-LED** was changed to **NORD-N-LED; MULTINORD-N-LED and NORD-N-Em-LED**.

(16) Report Number.: 17/0026/1

(17) Specific Conditions of Use:

None additional to those listed previously. It applies also for changed type marking.

(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.

(19) Drawings and Documents:

Number	Issue	Sheets	Date	Description
--	00	8	02.06.2017	Technical description
--	00	2	05.06.2017	Technical conditions for mounting
Assembly	--		03.06.2017	Drawing
Labels	--	3	03.06.2017	Drawing

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 06.06.2017

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(1) **Supplementary Type Examination Certificate No. 2**

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

(3) Type Examination Examination Certificate number:

FTZÚ 17 ATEX 0026X

(4) Product: **Luminaire type NORD-N-LED; MULTINORD-N-LED and NORD-N-LED-Em**

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

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

(7) This supplementary certificate extends Type Examination Certificate No. FTZÚ 17 ATEX 0026X 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

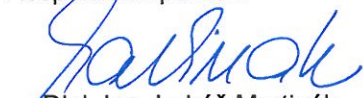
(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

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

 **II 3G Ex nR IIC T6 Gc
II 3D Ex tc IIIC T80°C Dc**

(12) This certificate is valid till: **30.04.2027**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 29.04.2022

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14)

Supplementary Type Examination Certificate No. 2
to FTZÚ 17 ATEX 0026X

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified apparatus.
- Evaluation according to the newest standard EN IEC 60079-0:2018,
- The product was also evaluated according to standard EN IEC 60079-15:2019.
- Extension of certificate validity.

The modification of product includes:

- Connection of LED modules to series and series-parallel – NON-SELV performance was added.
- Change of the ambient temperature – see clause (17) and maximum surface temperature for variants of luminaire – see clause (11).

Design of luminaire and electrical parameters remain unchanged.

The luminaire and its variants are verified according to the newest standard EN IEC 60079-0:2018.

TYPE CODING OF LUMINAIRE:

Type coding	Type
NORD-N-LED-X*YYY*-4K	A type luminaire – standard lighting
MULTINORD-N-LED-X*-YYY*-4K	A type luminaire – maintained emergency lighting
NORD-N-LED-Em-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)

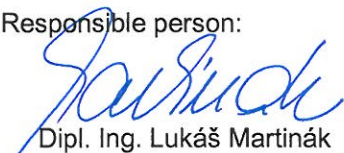
(16) Report Number: 17/0026/2

(17) Specific Conditions of Use:

1. Ambient temperature range:

- 20°C ≤ Ta ≤ +60°C for type NORD-N-LED-X-218;
-20°C ≤ Ta ≤ +55°C for type NORD-N-LED-X-418;
-20°C ≤ Ta ≤ +50°C for type NORD-N-LED-X-236 and NORD-N-LED-X-436;
-20°C ≤ Ta ≤ +45°C for type NORD-N-LED-X-258 and NORD-N-LED-X-458;
0°C ≤ Ta ≤ +50°C for type NORD-N-LED-Em-X-218/-236/-258;
0°C ≤ Ta ≤ +40°C for type MULTINORD-N-LED-X-218/-418/-436;
0°C ≤ Ta ≤ +35°C for type MULTINORD-N-LED-X-236/-258/-458

Responsible person:


Dipl. Ing. Lukáš Martinák
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Date of issue: 29.04.2022

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

(13)

Schedule

(14)

**Supplementary Type Examination Certificate No. 2
to FTZÚ 17 ATEX 0026X**

(17) Specific Conditions of Use (continuation):

2. The luminaire is intended for fixed installation and must be labelled "Warning - potential danger of electrostatic charging" - see Technical conditions of the lighting fixture installation.
3. The power supply cable shall be effectively fixed to prevent pulling or twisting.
4. The Technical conditions of the lighting fixture installation must be complied.

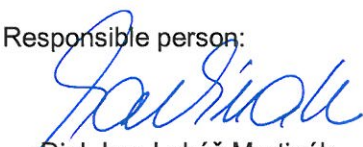
(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate and by standard EN IEC 60079-15:2019.

(19) Drawings and Documents:

Number	Issue	Sheets	Date	Description
--	03	8	17.02.2022	Technical description
--	01	3	16.02.2022	Technical conditions of the lighting fixture installation
--	b		17.02.2022	Assembly drawing
--	c	3	15.02.2022	Labels drawing

Responsible person:


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