



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 20 ATEX 0077X

(4) Product: **Recessed luminaire type FILA-N-LED-2,22; MULTIFILA-N-LED-2,22
and FILA-N-Em-LED-2,22**

(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:

20/0077 dated 24.09.2020

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-15:2017, 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 T70°C Dc**

This certificate is valid till: **30.09.2025**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 25.09.2020

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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)

Type Examination Certificate No. FTZÚ 20 ATEX 0077X

(15) Description of Product:

The type FILA-N-LED-2,22, FILA-N-Em-LED-2,22 (non-maintained emergency lighting) and MULTIFILA-N-LED-2,22 (maintained emergency lighting) recessed luminaire with degree of protection IP66 is composed of three varnished or stainless steel plate parts: body with exchangeable sealing and light-transmitting cover with glass, frame for recessed installation and reflector with electrical package.

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

On the reflector are installed connector terminal block, 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-2,22 - (OP) - X*YYY* - 4K	A type luminaire - standard lighting
MULTIFILA - N - LED-2,22 - (OP) - X*-YYY* - 4K	A type luminaire - maintained emergency lighting
FILA - N - Em - LED-2,22 - (OP) - X*-YYY* - 4K	A type luminaire - non-maintained emergency lighting

DALI - luminaire with dimmable driver
X* - marking of luminous flux (lm)
YYY* - marking of type body of luminaire
4K - color temperature (K)
2,22 - specification of Zone 2,22
OP - marking of opal sight glass

(16) Report Number.: 20/0077

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Head of Certification Body



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Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

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Type Examination Certificate No. FTZÚ 20 ATEX 0077X

(17) Specific Conditions of Use:

1. Ambient temperature range:

- 20°C ≤ Tamb ≤ +65°C – FILA-N-LED-2,22-X-218-4K
- 20°C ≤ Tamb ≤ +50°C – FILA-N-LED-2,22-X-236/418-4K
- 20°C ≤ Tamb ≤ +45°C – FILA-N-LED-2,22-X-258/436-4K
- 20°C ≤ Tamb ≤ +40°C – FILA-N-LED-2,22-X-458-4K
- 0°C ≤ Tamb ≤ +40°C – MULTIFILA-N-LED-2,22-X-218/418/236/258/458-4K
- 0°C ≤ Tamb ≤ +35°C – MULTIFILA-N-LED-2,22-X-436-4K
- 0°C ≤ Tamb ≤ +50°C – FILA-N-Em-LED-2,22-X-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 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	8	15.09.2020	Technical description
--	01	2	15.09.2020	Technical conditions for mounting
Assembly	--	1	23.09.2020	Drawing
Labels	--	3	15.09.2020	Drawing

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