



Type Examination Certificate

(1)

(2)

Equipment Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

(3) Type Examination Certificate Number:

FTZÚ 05 ATEX 0043

(4) Equipment: **Fluorescent Luminaire type FILA - N**

(5) Manufacturer: **Ing. L. Vyrtych – Elektrotechnický závod**

(6) Address: **294 06 Březno 114, Czech Republic**

(7) This equipment or protective system and any of 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 equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of Category 3 equipment, which is intended for use in potentially explosive atmospheres given in Annex II to the Council Directive 94/9/EC.

The examination and test results are recorded in confidential Report N°

05/0043 dated 28 April 2005

(9) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN 50021:1999; EN 50281-1-1:1998

(10) If the sign „X“ is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This TYPE EXAMINATION CERTIFICATE relates only to the design, examination and testing of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include following:

 **II 3GD EEx nA II T4 T 75°C**

This Type Examination Certificate is valid till: **30.04.2010**

Responsible person:


Mr. Jaroslav Šindler
Head of certification body



Date of issue: **29.04.2005**

Number of pages: 1/3

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14) **Type Examination Certificate N° FTZÚ 03 ATEX 0334**

(15) Description of Equipment: A type FILA-N fluorescent luminaire is composed of the three parts, comprises a body made from steel plate 1mm thick on which is installed metal reflector which houses electrical equipments – plug and socket ENSTO resp. ELECTROTERMINAL, 8 pcs. of lampholders G13 type BJB 26.290.4002 used for linear fluorescent lamps, two electronic ballast type Hadler 2x18; 36; 58W or type Tridonic PC2/18; 36; 58 T8. The mutually fixation is made through two glaze slats with toughened glass 5mm thick through foam polyurethane gasket type EPDM 15x6mm. On the side of the body is the hole to accept M20 cable gland for cable which is connected to terminal type WAGO or ELECTROTERMINAL for max. cross section of the wire 2,5 mm², which is installed on inside of the body.

Basic technical data:

Nominal voltage: 230-250V_{AC} or 230V_{DC}
Frequency: 50-60 Hz; 0 Hz
Output of the light source: 4x18W; 4x36W or 4x58W
Degree of the protection: IP 65

(16) Report No. : 05/0043 ... dated 28.04.2005

(17) Special conditions for safe use: None

(18) Essential Health and Safety Requirements: None

Responsible person:

Date of issue: 29.04.2005


Mr. Jaroslav Šindler

Head of certification body



Number of pages: 2/3

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**Physical Technical Testing Institute
Ostrava-Radvanice**

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Type Examination Certificate N° FTZÚ 01 ATEX 0334

(19)

LIST OF DOCUMENTATION

- Drawings No.: 3950-0-00-1 ... 4.2.05
3950-0-06-2 ... 5.12.04
Label ... 10.12.04
- Technical description + wiring diagram ... 01.12.04
- Technical conditions ... 04.02.05
- Certificate EZÚ No. 104 0345 ... 23.3.04





(1) **Supplement No. 1 to
Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC**

(3) Type Examination Certificate Number:

FTZÚ 05 ATEX 0043X

(4) Equipment or protective system: **Fluorescent luminaire type FILA-N and MULTIFILA-N-Em**

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

(6) Address: **Židněves 116, 298 06 Březno, Czech Republic**

(7) This supplement of certificate is valid for:

- modification of certified apparatus
- prolongation of certificate validity and recertification according to the new standards
- change of the name of the producer

(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, list of which is mentioned in schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains another requirement, which manufacturer shall fulfil before products are place on market or introduce in service.

(10) Safety requirements of modified parts were fulfil by satisfying of following standards:

EN 60079-15:2001; EN 61241-0:2006

(11) Marking of equipment shall contain symbols:

Ex II 3GD Ex nA II T4 T 75°C

(12) This type examination certificate is valid till: **30.04.2012**

Responsible person:


Dipl. Ing. Sindler Jaroslav
Head of certification body



Date of issue: **04.2007**

Number of pages: 3
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PHYSICAL TECHNICAL TESTING INSTITUTE
Ostrava-Radvanice

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Supplement No. 1 to
Type Examination Certificate N° FTZÚ 05 ATEX 0043X

(15) Description of Equipment or Protective System:

15.1 A type FILA-N was modified for type MULTIFILA-N-Em, where is used emergency module type COOPER MENVIER BQ/CQ1 including NiCd battery with endurance 1 hour or 3 hours. This modification has no influence for construction and safe use of luminaire.

15.2 The luminaires are recertified according to the new standards mentioned at item (10).

15.3 The certificate is valid for producer – change of the name from "Ing.L.Vyrtych - Elektrotechnický závod", 294 06 Březno 114 to VYRTYCH a. s., Židněves 116, 294 06 Březno.

(16) Report No. : 05/0043-d1

dated 26.04.2007

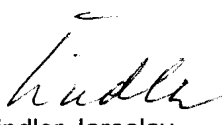
(17) Special conditions for safe use:

The installation of luminaire must be protected against mechanical damage.

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (10) of this supplement.

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 30.04.2007

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PHYSICAL TECHNICAL TESTING INSTITUTE

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Supplement No. 1 to Type Examination Certificate N° FTZÚ 05 ATEX 0043X

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LIST OF DOCUMENTATION

- Drawings No.: 3950 – 0 – 06 – 3 dated 21.02.07
- 3950 – 0 – 06 – 2 dated 05.02.04
- 3965 – 0 – 06 – 2 dated 10.05.05
- 3965 – 0 – 06 – 3 dated 21.02.07
- 3953 – 5 – 97 – 1 dated 19.02.07
- 3953 – 5 – 97 – 2 dated 20.02.07
- 3954 – 5 – 97 – 2 dated 20.02.07
- 3954 – 5 – 97 – 1 dated 19.02.07
- Technical description (5 pages) dated 19.02.07
- Card labels dated 16.04.07
- Assembly instructions dated 16.04.07

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 30.04.2007

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(1) **Supplement No. 2 to
Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC**

(3) Type Examination Certificate Number:

FTZÚ 05 ATEX 0043X

(4) Equipment or protective system: **Fluorescent luminaire type FILA-N and MULTIFILA-N-Em**

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

(6) Address: **Židněves 116, 238 06 Březno, Czech Republic**

(7) This supplement of certificate is valid for: - Verification according to new standards
- Prolongation of certificate

(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, list of which is mentioned in schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains another requirements, which manufacturer shall fulfil before products are place on market or introduce in service.

(10) Safety requirements of modified parts were fulfil by satisfying of following standards:

EN 60079-15:2005; EN 61241-0:2006; EN 61241-1:2004

(11) Marking of equipment shall contain symbols:

Ex II 3GD Ex nA tD A II T4 T 75°C

(12) This type examination certificate is valid till: **30.09.2013**

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 01.09.2008

Number of pages: 2

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13) **Schedule**

(14) **Supplement No. 2 to
Type Examination Certificate N° FTZÚ 05 ATEX 0043X**

(15) Description of Equipment or Protective System:

The types FILA-N and MULTIFILA-N-Em luminaires are recertified according to standards EN 60079-15:2005; EN 61241-0:2005 and EN 61241-1:2004. There on the apparatus are not made any constructional changes in comparison to the certified model.

Basic technical data:

Degree of protection: IP 65
Ambient temperature Ta: -20°C to +40°C (type FILA-N)
0°C to +40°C (type MULTIFILA-N-Em)
Nominal voltage: 230-250V/50-60Hz
Light sources: linear fluorescent lamp G13-81-IEC 2 x 36W or 58W
linear fluorescent lamp G13-81-IEC 4 x 18W; 36W or 58W

(16) Report No. : 05/0043-d2 27.08.2008

(17) Special conditions for safe use:

The installation of luminaires must be protected against mechanical damage.

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (10) of this supplement.

(19) LIST OF DOCUMENTATION

- Technical description No.: FILA-N; MULTIFILA-N-Em 27.03.2008
- Operating instructions: FILA-N; MULTIFILA-N-Em 04.08.2008
- Plates: FILA-N; MULTIFILA-N-Em 04.08.2008

Responsible person: _____


Dipl. Ing. Sindler Jaroslav
Head of certification body



Date of issue: 01.09.2008

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(1) **Supplement No. 3 to
Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC**

(3) Type Examination Certificate Number:

FTZÚ 05 ATEX 0043X

(4) Equipment: **Fluorescent luminaire type FILA-N and MULTIFILA-N**

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

(6) Address: **Bělehradská 314/18, 140 00 Praha 4, Czech Republic**

(7) This supplement of certificate is valid for:

- modification of certified apparatus
- verification according to new standards
- prolongation of certificate validity
- change of the address of the producer


(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, a list of which is mentioned in the schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains another requirement, which the manufacturer shall fulfil before products are placed on the market or introduce in service.

(10) Safety requirements of modified parts were fulfilled by satisfying of following standards:

EN 60079-0:2012; EN 60079-15:2010; EN 60079-31:2009

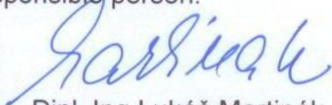
(11) Marking of equipment shall contain symbols:

 **II 3G Ex nA IIC T4 Gc**

 **II 3D Ex tc IIIC T 60°C Dc**

(12) This type examination certificate is valid till: **31.10.2018**

Responsible person:



Dipl. Ing. Lukáš Martinák
Head of certification body



Date of issue: 30.10.2013

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Physical Technical Testing Institute
Ostrava-Radvanice

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Supplement No. 3 to
Type Examination Certificate N° FTZÚ 05 ATEX 0043X

(15) Description of Equipment or Protective System:

The modification of equipment consists of use only electronic ballast type TRIDONIC PC T8 PRO and for emergency lighting was changed type of battery pack – used type VBA-N.

The fluorescent luminaires are recertified according to standards EN 60079-0:2012; EN 60079-15:2010 and EN 60079-31:2009.

There on the apparatus are not made any constructional changes in comparison to the certified model.

At the producer was made change of the address from Židněves 116, 294 06 Březno to Bělehradská 314/18 Praha 4, Czech Republic.

Basic technical data:

Rated voltage: 230V/50Hz; 220-240V /50-60Hz

Light sources: linear fluorescent lamp G 13 1;2;3;4 x 18W; 36W or 58W,

Degree of protection: IP 65

Coding of type luminaire:

Type FILA-N-XYX* : -EP with electronic ballast

Type MULTIFILA-N-XYX*

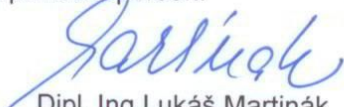
* X – number of light sources 1/2x

YY – type marking of light sources 18/36/58W-T26

(16) Report No. : 05/0043-3

dated: 29.10.2013

Responsible person:



Dipl. Ing. Lukáš Martinák
Head of certification body



Date of issue: 30.10.2013

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Supplement No. 3 to
Type Examination Certificate N° FTZÚ 05 ATEX 0043X

(17) Special conditions for safe use:

17.1 Ambient temperature T_{amb} :

0°C to +40°C – type MULTIFILA –N 1/2/3/4x 18W;

0°C to +30°C – type MULTIFILA – N 1/2/3/4x 36W/58W.

17.2 Cable glands and plugs shall be match the requirements of degree of protection IP 65 and type of Ex- protection mentioned in (11) of this supplement to certificate.

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (10) of this supplement to certificate.

(19) List of documentation:

<i>Title</i>	<i>Number</i>	<i>Version</i>	<i>Date</i>	<i>Page</i>
Technical description		06	17.10.2013	
Technical condition of installation			17.10.2013	
Technical description VBA-N			07.06.2013	
Drawing No.	Labels FILA-N		17.10.2013	4 sheets

Responsible person:


Dipl. Ing. Lukáš Martinák

Head of certification body



Date of issue: 30.10.2013

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