Physical Technical Testing Institute

Ostrava-Radvanice

(1) # Type Examination Certificate

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

(3) Type Examination Certificate Number:

FTZÚ 02 ATEX 0313

(4) Equipment: **Fluorescent luminaire type VIPET-N-I and VIPET-N-I-EP**

(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°

02/0313 dated 28 November 2002

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

EN 50021 : 1999

(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:

Ex II 3GD T 122°C;T 93°C; EEx nA II T4;T5

This Type Examination Certificate is valid till: **31. 11. 2007**

Responsible person:

FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV, s.p. • OSTRAVA-RADVANICE •

Date of issue: 29.11.2002

Dipl. Ing. Šindler Jaroslav
Head of certification body

Number of pages: 1/4

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Physical Technical Testing Institute

Ostrava-Radvanice

(13) **Schedule**

(14) # Type Examination Certificate N° FTZÚ 02 ATEX 0313

(15) Description of Equipment:

A type VIPET fluorescent luminarie is composed of two parts of the enclosure, which has a protection index IP 66. Body of the luminaire and light transmitting cover (diffuser) are moulding from polycarbonate, and are tighten through foam polyurethane gasket, which is seated in a slot of the body. There mutually fixation is made by stainless clips. The enclosure houses a varnished metal reflector on which are mounted lampholders type G13, one three-poles and one two-poles 2,5 mm^2 max. rigid connection terminal blocks WAGO, inductance coil with corresponding capacitor DNA and electronic starters types EFS 600 resp. EFS 120, or electronic ballast (EP) types TRIDONIC and OSRAM.

(16) Report No. : 02/0313

(17) Special conditions for safe use: -

(18) Essential Health and Safety Requirements:

There are no additional requirements other than those referred to in the standards.

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body

FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV, s.p. • OSTRAVA-RADVANICE •

Date of issue: 29.11.2002

Number of pages: 2/4

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(13) **Schedule**

(14) **Type Examination Certificate N° FTZÚ 02 ATEX 0313**

(19) **LIST OF DOCUMENTATION**

- Drawings No. 2050-0-09-0 31.12.1998
  2080-5-50-1 09.11.2001
- Certificate EZÚ No. 201 00007 06.03.2001
- Certificate EZÚ No. 100 2221 05.12.2000
- Technical conditions (2 sheets)
- Test record No. VI 40/2002 09.08.2002
- Test record No. VI 28/2002 23.07.2002
- Technical Descriptions (4 sheets) 19.07.2002

Basic technical data:

Nominal voltage: U_n = 230 V; 50 Hz

Degree of protection: IP 66

Type	*Inductance ballast*		*Capacitor*		*Temp. class/ max surface temp.*
	Old marking	*New marking*	*Old marking*	*New marking*	
VIPET-N-I 2 x 58 W	2 x EC 65 B140*		APN 0120012 12,0 µF	LCP 0120012 12,0 µF	T4 / 121,5°C
VIPET-N-I 1 x 58 W	1 x EC 65 B140*		APN 0080012 8,0 µF	LCP 0080012 8,0 µF	T4 / 109,5°C
VIPET-N-I 2 x 36 W	2 x EC 40 B90	2 x EC 036 B501K	APN 0080012 8,0 µF	LCP 0080012 8,0 µF	T5 / 89;°C
VIPET-N-I 1 x 36 W	1 x EC 40 B90	1 x EC 036 B501K	APN 0040012 4,0 µF	LCP 0040012 4,0 µF	T5 / 89°C
VIPET-N-I 2 X 18 W	1 x EC 40 B90	1 x EC 036 B501K	APN 0040012 4,0 µF	LCP 0040012 4,0 µF	T5 / 88,8°C
VIPET-N-I 1 X 18 W	1 x EC 20 B90	1 x EC 018 B501K	APN 0040012 4,0 µF	LCP 0040012 4,0 µF	T5 / 89°C

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(13) **Schedule**

(14) **Type Examination Certificate N° FTZÚ 02 ATEX 0313**

(19) **LIST OF DOCUMENTATION**

Type	*Electronic ballast 220-240 V; 50-60 Hz*	*Temp. class/ max surface temp.*
VIPET-N-I 2 x 58 W	QTS 2 x 55 – 58 W	T5 / 92,5°C
VIPET-N-I 1 x 58 W	PC 58 E011	T5 / 91,6°C
VIPET-N-I 2 x 36 W	PC 2 x 36 E011	T5 /85,2°C
VIPET-N-I 1 x 36 W	PC 36 E011	T5 / 85,2°C
VIPET-N-I 2 x 18 W	PC 2 x 18 E011	T5 / 81,5°C
VIPET-N-I 1 x 18 W	PC 18 E011	T5 / 81,5°C

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Physical Technical Testing Institute

Ostrava-Radvanice

(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 02 ATEX 0313

(4) Equipment or protective system: **Fluorescent luminaire type VIPET-N-I and VIPET-N-I-EP**

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

(6) Address: **298 06 Březno 114, Czech Republic**

(7) This supplement of certificate is valid for: - modification of certified apparatus

(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 50021:1999 **EN 50281-1-1:1998**

(11) Marking of equipment shall contain symbols:

II 3GD T122°C; T93°C EEx nA II T4; T5

(12) This type examination certificate is valid till: **30.11.2007**

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body

FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV, s.p. OSTRAVA-RADVANICE

Date of issue: 26.05.2005

Number of pages: 2
Page: 1/2

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Physical Technical Testing Institute

Ostrava-Radvanice

(13) **Schedule**

(14) # Supplement No. 1 to Type Examination Certificate N° FTZÚ 02 ATEX 0313

(15) Description of Equipment or Protective System:

A type VIPET-N-I luminaire was modified for use by other new components installed inside of luminaire – electronic ballast HELVAR type EL 2x58W HF 220-240; capacitors ELECTRONICOM type E01 (without thermal fuse) or type E05 (with thermal fuse) and three or five-poles terminal block type SLK 3/3 OF E(ST)ENL1 or SKL 3/5 OF E(ST)ENL1L2L3 and two poles terminal type SLK 3/2 OF NL1. For connection of supply cable are used cable glands or plugs type M20 made by producer.

(16) Report No. : 02/0313-d1 11.05.2005

(17) Special conditions for safe use: --

(18) Essential Health and Safety Requirements:

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

(19) LIST OF DOCUMENTATION

➢ Drawing No.	2340-0-06-5	dated 04.11.2001	Rev. 04.02.05
	2480-0-06-5	dated 04.11.2001	Rev. 04.02.05
	2800-0-06-5	dated 04.11.2001	Rev. 04.02.05
	2140-0-06-5	dated 04.11.2001	Rev. 04.02.05
	2440-0-06-5	dated 04.11.2001	Rev. 04.02.05
	2240-0-06-5	dated 08.11.2001	Rev. 04.02.05
➢ Technical description No.		dated 04.02.05	
➢ Certificate EZÚ No.	1040345	dated 23.03.04	

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body

FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV, s.p. • OSTRAVA-RADVANICE •

Date of issue: 26.05.2005

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Physical Technical Testing Institute

Ostrava-Radvanice

(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 02 ATEX 0313X

(4) Equipment or protective system: **Fluorescent luminaire type VIPET-N-I and VIPET-N-I-EP**

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

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

(7) This supplement of certificate is valid for:
- Verification according to new standards
- Prolongation of certificate validity
- Change of the name and adress 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 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 60079-15:2006; EN 61241-0:2006; EN 61241-1:2004

(11) Marking of equipment shall contain symbols:

II 3GD Ex nA tD A II T4-T5 $T_{max.surface}$-see below (15)

(12) This type examination certificate is valid till: **31.07.2013**

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body

FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV, s.p. OSTRAVA-RADVANICE

Date of issue: 14.07.2008

Number of pages: 3

Page: 1/3

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Physical Technical Testing Institute

Ostrava-Radvanice

(13) **Schedule**

(14) # Supplement No. 2 to Type Examination Certificate N° FTZÚ 02 ATEX 0313X

(15) Description of Equipment or Protective System:

1) The types VIPET-N-I and VIPET-N-I-EP luminaires are recertified according to standards EN 60079-15:2006; EN 61241-0:2006 and EN 61241-1:2004. There on the apparatus are not made any constructional changes in comparison to the certified model.
2) At the producer was made change of the name and adress from Ing. L. Vyrtych – Elektrotechnický závod, 294 06 Březno 114 to VYRTYCH a.s., Židněves 116, 294 06 Březno, Czech Republic.

Basic technical data:

Nominal voltage: 230V/50Hz

Degree of protection: IP 66

Ambient temperature Ta: -20°C to +40°C

Light sources: linear fluorescent lamp G13-81-IEC 1;2 x 18W; 36W or 58W

Type designation of the luminaires, temperature class and max. surface temperature					
VIPET – N- I			***VIPET – N – I - EP***		
1 x 18W	II3GD Ex nA tD A II T5	T89°C	1 x 18W	II3GD Ex nA tD A II T5	T82°C
2 x 18W	II3GD Ex nA tD A II T5	T89°C	2 x 18W	II3GD Ex nA tD A II T5	T82°C
1 x 36W	II3GD Ex nA tD A II T5	T89°C	1 x 36W	II3GD Ex nA tD A II T5	T86°C
2 x 36W	II3GD Ex nA tD A II T5	T89°C	2 x 36W	II3GD Ex nA tD A II T5	T86°C
1 x 58W	II3GD Ex nA tD A II T4	T110°C	1 x 58W	II3GD Ex nA tD A II T5	T92°C
2 x 58W	II3GD Ex nA tD A II T4	T122°C	2 x 58W	II3GD Ex nA tD A II T5	T93°C

(16) Report No. : 02/0313-d2 26.06.2008

(17) Special conditions for safe use:
The luminaire must be safed 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

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Date of issue: 14.07.2008

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(13) **Schedule**

(14) **Supplement No. 2 to**
Type Examination Certificate N° FTZÚ 02 ATEX 0313X

(19) **LIST OF DOCUMENTATION**

➢	Technical description No.:	VIPET-N-I	24.10.2007	4 pages
➢	Operating instructions:	VIPET-N-I	10/2007	
➢	Plates:		10/2007	

Responsible person:

Date of issue: 14.07.2008

Dipl. Ing. Šindler Jaroslav
Head of certification body

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Physical Technical Testing Institute
Ostrava – Radvanice

(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 02 ATEX 0313X

(4) Equipment: **Fluorescent luminaire type VIPET-N, VIPET-N-Em and MULTIVIPET-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 other requirements, which manufacturer shall fulfil before products are placed on the market or introduce in service.

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

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

(11) Marking of equipment shall contain symbols:

II 3G Ex nA IIC T4-T5 Gc

II 3D Ex tc IIIC Tx °C Dc **- see clause (15)**

(12) This type examination certificate is valid till: **31.07.2018**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV, s.p. • OSTRAVA-RADVANICE •

Date of issue: 30.07.2013

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tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz

(13) **Schedule**

(14) # Supplement No. 3 to Type Examination Certificate N° FTZÚ 02 ATEX 0313X

(15) Description of Equipment:

The fluorescent luminaire was modified for:

1) Change of body, light transmitter and seal material;
2) Type of batteries pack which was changed to type VBA-N;
3) Completion of alternative emergency module TRIDONIC, type EM… .

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

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 x 18W; 36W or 58W,
Degree of protection: IP 66

Type designation of the luminaires, temperature classes and max. surface temperature:

Type designation of luminaire	Temperature class	Max. surface temperature	Type designation of luminaire	Temperature class	Max. surface temperature
VIPET-N, 1/2x18/36W	T5	89°C	VIPET-N-EP, 1x58W	T4	92°C
VIPET-N, 1x58W	T4	110°C	VIPET-N-EP, 2x58W	T4	93°C
VIPET-N, 2x58W	T4	122°C	VIPET-N-Em, 1x18/36/58W	T5	42°C
VIPET-N-EP, 1/2x18W	T4	82°C	MULTIVIPET-N, 1/2x18/36/58W	T5	75°C
VIPET-N-EP, 1/2x36W	T4	86°C	MULTIVIPET-N-EP, 1/2x18/36/58W	T4	75°C

Coding of type luminaire:

VIPET-N-XYY*; VIPET-N-Em-XYY; MULTIVIPET-N-XYY*

- - magnetic ballast, non-compensated
- K magnetic ballast, compensated
- EP with electronic ballast

* X – number of light sources 1/2x
YY – type marking of light sources 18/36/58W-T26

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

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Date of issue: 30.07.2013

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(13) **Schedule**

(14) # Supplement No. 3 to Type Examination Certificate N° FTZÚ 02 ATEX 0313X

(16) Report No.: 02/0313-d3 dated: 29.03.2013

(17) Special conditions for safe use:

17.1 Ambient temperature Ta: 0°C to +30°C (VIPET-N-Em and MULTIVIPET-N).

17.2 The plastic part of luminaire shall be cleaned only with damp duster.

17.3 The luminaire shall be saved against mechanical damage.

17.4 Cable glands and plugs shall be match the requirements of degree of protection IP 66 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:

➢ Technical description		Rev. 11	15.07.2013
➢ Technical condition of installation			15.07.2013
➢ Drawing No.:	Configuration VIPET-N		12.07.2013
	Configuration MULTIVIPET-N		12.07.2013
	Labels VIPET-N		22.08.2012, 4 sheets
	Battery configuration VBA-N		07.06.2013
	Battery label VBA-N		14.06.2013

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV, S.P. • OSTRAVA-RADVANICE •

Date of issue: 30.07.2013

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