



Physical Technical Testing Institute  
Ostrava-Radvanice



## Type Examination Certificate

(1)  
(2)

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

(3) Type Examination Certificate Number:

**FTZÚ 04 ATEX 0219**

(4) Equipment: **Emergency luminaire type BASET-N-I and MULTIBASET-N-I**

(5) Manufacturer: **Ing. L. Vyrtých – 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°

**04/0219 dated 26 July 2004**

(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:

**Ex II 3GD EEx nR II T6 T 45°C**

This Type Examination Certificate is valid till: **31.07.2009**

Responsible person:

  
**Mr. Jaroslav Sindler**

Head of certification body



Date of issue: 27.07.2004

Number of pages: 1/3

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**Physical Technical Testing Institute  
Ostrava-Radvanice**

(13)

**Schedule**

(14)

**Type Examination Certificate N° FTZÚ 04 ATEX 0219**

(15) Description of Equipment:

A type BASET-N-I luminaire (non-maintained emergency lighting) and a type MULTIBASET-N-I (maintained emergency lighting) is composed of two parts of the enclosure comprises a body and light transmitting covet at protection index IP 66. The body of the luminaire and light transmitting cover (difuser) are moulding from polycarbonate, and are tighten through foam polyurethane gasket which is seated in a slot of the body. The mutually fixation is made by four stainless clips. The enclosure houses varnished steel plate (reflector) on which is mounted lampholder type 2G7 for compact fluorescent lamp; terminal block WAGO; electronic unit TRIDONIC type EM 33C BASIC 5W to 13W/230V + resp. inductance ballast TRIDONIC type EC09 A27 and socket of starter; battery type Accu NiCd 3A/230V/4Ah; test push-button and LED indicator. On the side of the body are holes to accept M20, IP 66 cable glands (resp. stopping plugs) for cables with diameter from 9mm up to 12mm. For light sources are used cylindrical compact fluorescent lamps 1x7W; 9W or 11W TC-SE/230V, 50Hz.

Ambient temperature of the luminaire is from 0°C to +30°C.

(16) Report No. : 04/0219

26.07.2004

(17) Special conditions for safe use: --

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (9) of this certificate.

Responsible person:

  
**Mr. Jaroslav Šindler**

Head of certification body



Date of issue: 27.07.2004

Number of pages: 2/3

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**Physical Technical Testing Institute  
Ostrava-Radvanice**

(13) **Schedule**

(14) **Type Examination Certificate N° FTZÚ 04 ATEX 0219**

(19) **LIST OF DOCUMENTATION**

- Operating instructions, 1page
- Technical conditions, 4 pages 03.06.2004
- Drawings No.:
  - 2022-5-50-1 23.11.2001 rev. 07.06.2004
  - 2026-0-02-2 22.03.2002 rev. 07.06.2004
  - 2024-0-02-2 08.03.2002 rev. 07.06.2004
  - 2022-4-98-3 23.08.1999 rev. 07.06.2004
  - 2009-4-95-1 12.02.2001 rev. 07.06.2004
  - 2008-4-95-1 20.06.2000 rev. 07.06.2004
- Certificate EZÚ No.: 1040345 23.03.2004  
1030296 19.02.2003





Physical Technical Testing Institute  
Ostrava-Radvanice



## Supplement No. 1 to Type Examination Certificate

(1)  
(2) Equipment or Protective Systems Intended for use  
in Potentially Explosive Atmospheres  
Directive 94/9/EC

(3) Type Examination Certificate Number:

**FTZÚ 04 ATEX 0219**

(4) Equipment or protective system: **Emergency luminaire type BASET-N-I and MULTIBASET-N-I**

(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:

**Ex II 3GD EEx nR II T6 T 45°C**

(12) This type examination certificate is valid till: **31. 07. 2009**

Responsible person:

  
**Dipl. Ing. Šindler Jaroslav**  
Head of certification body



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 04 ATEX 0219**

(15) Description of Equipment or Protective System:

A type BASET-N-I luminaire (non-maintained emergency lighting) and a type MULTIBASET-N-I (maintained emergency lighting) were modified for use by other new components installed inside of luminaires – inductance ballast TRIDONICATCO type EC09 A27 EEI=C or type EC09 B27 EEI=B1 and three or four-poles terminal block type SLK 3/3 OF E(ST)ENL1 or SLK 3/4 OF E(ST)ENL1L2. For connection of supply cable are used cable glands or plugs type M20 made by producer.

(16) Report No. : 04/0219-d1 12.05.2005

(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.	2026-0-02-02	dated 22.03.02	Rev. 04.02.05
	2024-0-02-02	dated 08.03.02	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



Date of issue: 26.05.2005

Number of pages: 2  
Page: 2/2

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(1) **Dodatek č.2 k certifikátu o přezkoušení typu**

(2) **Zařízení nebo ochranné systémy určené pro použití  
v prostředí s nebezpečím výbuchu  
podle Směrnice 94/9/EC (NV 23/2003 Sb.)**

(3) Číslo certifikátu o přezkoušení typu:

**FTZÚ 04 ATEX 0219X**

(4) Zařízení nebo ochranný systém: **Zářivkové svítidlo typu BASET-N-I a MULTIBASET-N-I**

(5) Výrobce: **VYRTYCH a.s.**

(6) Adresa: **Židněves 116, 294 06 Březno, Česká Republika**

(7) Dodatek k certifikátu platí pro:

- ověření podle nových norem
- prodloužení platnosti certifikátu
- změna názvu a adresy výrobce

(8) Modifikace certifikovaného zařízení (ochranného systému) a jakékoliv jeho schválené varianty jsou specifikována v dokumentaci jejíž seznam je uveden dále.

(9) Tento doplněk certifikátu typu platí pouze pro typové přezkoušení koncepce a konstrukce vzorku výrobku podle přílohy 3 (odstavec 6) Směrnice 94/9/EC (NV 23/2003 Sb.). Tato směrnice uvádí další požadavky, které musí splňovat výrobce nebo které musí být splněny před uvedením výrobku na trh nebo do provozu.

(10) Bezpečnost modifikovaných částí byla ověřena podle norem:

**ČSN EN 60079-15:2006; ČSN EN 61241-0:2007; ČSN EN 61241-1:2005**

(11) Označení zařízení konstruovaného podle tohoto doplňku musí obsahovat tyto symboly:

**Ex II 3GD Ex nR tD A II T6 T45°C**

(12) Platnost certifikátu s tímto doplňkem je do: **31.07.2013**

Odpovědná osoba:

  
Ing. Šindler Jaroslav  
vedoucí certifikačního orgánu



Datum vydání: 29.07.2008

Počet stran: 2  
Strana: 1/2

Vydání tohoto dodatku k certifikátu je podmíněno plněním všeobecných podmínek FTZÚ.  
Tento dodatek k certifikátu může být rozmnožován pouze vcelku a bez jakýchkoliv změn (včetně dalších stran).



Fyzikálně technický zkušební ústav  
Ostrava-Radvanice

(13)

**Pokračování**

(14)

**Dodatek č. 2  
k certifikátu o přezkoušení typu č. FTZÚ 04 ATEX 0219X**

(15) Popis zařízení nebo ochranného systému:

- 1) Svítidla typu BASET-N-I a MULTIBASET-N-I jsou ověřena dle současně platných norem ČSN EN 60079-15:2006; ČSN EN 61241-0:2007 a ČSN EN 61241-1:2005. Na zařízení nejsou provedeny žádné konstrukční změny oproti schválenému vzoru.
- 2) U výrobce svítidel došlo ke změně názvu a adresy z původního: Ing. L.Vyrtych – Elektrotechnický závod, 294 06 Březno na VYRTYCH a.s., Židněves 116, 294 06 Březno, Česká republika.

**Základní technická data:**

Jmenovité napětí:	230V/50Hz
Stupeň krytí:	IP 66
Světelný zdroj:	kompaktní zářivka 7W; 9W nebo 11W
Teplota okolí Ta:	0°C až +30°C

(16) Zpráva č. 04/0219-d2 z 10.07.2008

(17) Zvláštní podmínky pro bezpečné použití:

Svítidlo musí být chráněno proti mechanickému poškození.


(18) Základní požadavky na ochranu zdraví a bezpečnost:

Jsou pokryty normami, uvedenými pod bodem (10) tohoto dodatku k certifikátu.

(19) SEZNAM DOKUMENTACE

- Technický popis: (MULTI)BASET-N-I 27.03.2008
- Návod pro obsluhu: (MULTI)BASET-N-I 03/2008
- Návrh štítků: 03/2008

Odpovědná osoba:

  
Ing. Šindler Jaroslav  
vedoucí certifikačního orgánu



Datum vydání: 29.07.2008

Strana: 2/2

Vydání tohoto dodatku k certifikátu je podmíněno plněním všeobecných podmínek FTZÚ.  
Tento dodatek k certifikátu může být rozmnožován pouze vcelku a bez jakýchkoliv změn (včetně dalších stran).

FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV, státní podnik, Pikartská 7, 716 07 Ostrava Radvanice,  
tel +420 595 223 111, fax +420 596 232 672, e-mail: ftzu@ftzu.cz, web: www.ftzu.cz



Physical Technical Testing Institute  
Ostrava-Radvanice



## 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 04 ATEX 0219X**

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

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

(11) Marking of equipment shall contain symbols:

 **II 3GD Ex nR tD A II T6 T45°C**

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

Responsible person:

  
Dipl. Ing. Šindler Jaroslav  
Head of certification body



Date of issue: 29.07.2008

Number of pages: 2

Page: 1/2

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Physical Technical Testing Institute  
Ostrava-Radvanice

(13)

Schedule

(14)

Supplement No. 2 to  
Type Examination Certificate N° FTZÚ 04 ATEX 0219X

(15) Description of Equipment or Protective System:

- 1) The types BASET-N-I and MULTIBASET-N-I luminaires are recertified according to standards EN 60079-15:2005; 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  
Light sources: compact fluorescent lamp 7W; 9W or 11W  
Ambient temperature Ta: 0°C to +30°C

(16) Report No. : 04/0219-d2 10.07.2008

(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.

(19) LIST OF DOCUMENTATION:

- Technical description (MULTI)BASET-N-I 27.03.2008
- Operating instructions (MULTI)BASET-N-I 03/2008
- Plates 03/2008

Responsible person:

  
Dipl. Ing. Sindler Jaroslav

Head of certification body



Date of issue: 29.07.2008

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

(1) **Equipment Intended for Use  
in Potentially Explosive Atmospheres  
Directive 94/9/EC**

(2) Type Examination Certificate Number:

**FTZÚ 04 ATEX 0219X**

(4) Equipment: **Fluorescent luminaire type BASET-N and MULTIBASET-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 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 60079-0:2009; EN 60079-15:2010; EN 60079-31:2009**

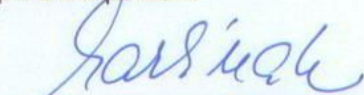
(11) Marking of equipment shall contain symbols:

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

 **II 3D Ex tc IIIC T 45°C Dc**

(12) This Type Examination Certificate is valid till: **31.07.2018**

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 24.07.2013

Page: 1/2

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Physical Technical Testing Institute  
Ostrava – Radvanice

(13)

Schedule

(14)

Supplement No. 3 to  
Type Examination Certificate N° FTZÚ 04 ATEX 0219X

(15) Description of Equipment:

- 1) Modification of equipment consists in changes of body, light transmitting cover and gasket material. The type of batteries pack was changed to type VBA-N and type of Ex- protection was changed to „Ex nA IIC“.
- 2) The fluorescent luminaire is recertified according to standards EN 60079-0:2009, EN 60079-15:2010 and EN 60079-31:2009.
- 3) At the producer was made change of the address from: Židněves 116, 294 06 Březno to Bělehradská 314/18, 140 00 Praha 4, Czech Republic.

**Basic technical data:**

Rated voltage: 230V /50Hz; 220V-240V/50-60Hz  
Light sources: compact fluorescent lamp 9W or 11W  
Degree of protection: IP 66

(16) Report No.: 04/0219-d3

dated: 23.07.2013

(17) Special conditions for safe use:

- 17.1 Ambient temperature Ta: 0°C to +30°C.
- 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. 05	15.07.2013
➤ Technical condition of installation		15.07.2013
➤ Drawing No.: BASET-N		12.07.2012
➤ Plates BASET-N		28.08.2012

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 24.07.2013

Page: 2/2

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