



Physical Technical Testing Institute
Ostrava-Radvanice



EC-Type Examination Certificate

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

(3) EC-Type Examination Certificate Number:

FTZÚ 04 ATEX 0143X

- (4) Equipment or protective system: **Flameproof fluorescent luminaire type PITBUL-Ex**
(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, notified body number 1026 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, 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 equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

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

04/0143 dated 27 September 2004

- (9) Compliance with Essential Health and safety requirements has been assured by compliance with:
**EN 50014;+A1;+A2:1997; EN 50018:2000; EN 50019:2000;
EN 50028:1994; 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 EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacturer and supply of this equipment or protective system.
(12) The marking of the equipment or protective system shall include following:

 **II 2GD EEx edm IIC T5 T 60°C** – with off-load switch
 **II 2GD EEx em II T5 T 60°C** – without off-load switch

This EC-Type Examination Certificate is valid till: **30.09.2009**

Responsible person:


Mr. Jaroslav Šindler

Head of certification body



Date of issue: 25.10.2004

Number of pages: 1/3

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 04 ATEX 0143X**

(15) Description of Equipment or Protective System:

A type PITBUL-Ex fluorescent luminaire with degree of protection IP 65 is composed of two parts of the enclosure comprises a body manufactured from varnished steel plate or stainless steel plate of the thickness 1mm, and the light transmitting cover made from safety toughened glass of the thickness 5mm, which are mutually fixated through EPDM gasket by sealed steel screws. On the opposite sides of the body are holes to accept OBO V-TEC M20x1,5 or M25x1,5; IP 68 cable glands (resp. cable plug) at design EEx e II (PTB 99 ATEX 3112X), at the stainless version are used PFITSCH M20x1,5 or M25x1,5; IP 68 cable glands (resp. plug) at design EEx e II (PTB 98 ATEX 3109). Inside of the enclosure is on the varnished steel plate reflector installed three-pole (or five-pole) terminal block WAGO type 262-283, (262-285) or 262-233, (262-235) at design EEx e II (PTB 98 ATEX 3125U) for connection of the cable conductors to 4mm², couple of lampholders BAREL type 96Xb (NEMKO 02 ATEX 329U) at design EEx e II, in compliance with used number of the lamps, one or two electronic ballast BAREL type HFX... (NEMKO 03 ATEX 204U) at design EEx me II T5, and with or without off-load switch BARTEC type 07-1544 (PTB 99 ATEX 1011U) at design EEx d IIC, by the type of luminaire. As the light sources are used Bi-pin fluorescent lamps type T26/G13 2;3;4 x 18W; 2;3;4 x 36W or 2;3;4 x 58W for nominal voltage 230V/50-60Hz, 230 V DC.

(16) Report No. : 04/0143

27.09.2004

(17) Special conditions for safe use:

The type luminarie without installed off-load switch must be labelled "Do not open when energized".

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (9).

Responsible person:

Mr. Jaroslav Šindler

Head of certification body



Date of issue: 25.10.2004

Number of pages: 2/3

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(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 04 ATEX 0143X**

(19)

LIST OF DOCUMENTATION

➤ Drawings No.:	3803-0-06-1	03.05.2004	
	3481-0-06-9	03.05.2004	
	3481-0-06-8	03.05.2004	
	3481-0-06-7	03.05.2004	
	3481-0-14-2	28.03.2004	
	3481-5-98-1	03.05.2004	
	3481-5-59-2	03.05.2004	
	3481-0-14-1	26.02.2004	
➤ Technical description No.:	PITBUL-Ex	03.05.2004	11 pages
➤ User manual:	PITBUL-Ex		2 pages
➤ Certificates No.:	Nemko 02 ATEX 329U	01.04.2003	lampholder G13
	PTB 99 ATEX 1011U	15.04.1999	off-load switch
	Nemko 03 ATEX 204U	13.05.2003	electronic ballast
	PTB 98 ATEX 3125U	09.10.1998	terminal block
	PTB 99 ATEX 3112X	10.11.1999	cable glands
	PTB 98 ATEX 3109	17.04.1998	cable glands

(20)

MARKING OF LUMINAIRE DESIGN

PITBUL – Ex – xxx – y – xx

- Type
- Number of light sources
- Power of light source
 - + "n" – stainless design of body
- D – with off-load switch
 - 2D – with two off-load switch
 - WOD – without off-load switch
- 1P – one-phase continuous connection
- 3P – three-phase continuous connection





Physical Technical Testing Institute
Ostrava-Radvanice



Supplement No. 1 to EC-Type Examination Certificate

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

(3) EC-Type Examination Certificate Number:

FTZÚ 04 ATEX 0143X

(4) Equipment or protective system: **Flameproof fluorescent luminaire type PITBUL-Ex**

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

(6) Address: **294 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 placed on market or introduced in service.

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

EN 50014:1997+A1+A2

EN 50018:2000

EN 50019:2000

EN 50028:1994

EN 50281-1-1:1998

EN 50017:1998

(11) Marking of equipment shall contain symbols:

 **II 2GD EEx qed IIC T5 T 60°C** – with off-load switch

 **II 2GD EEx qed IIC T5 T 60°C** – without off-load switch

(12) This type examination certificate is valid till: **31.08.2009**

Responsible person:

Dipl. Ing. Šindler Jaroslav

Head of certification body



Date of issue: 10.06.2005

Number of pages: 2

Page: 1/2

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14)

**Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 04 ATEX 0143X**

(15) Description of Equipment or Protective System:

A type PITBUL-Ex luminaire was modified for use by other new components installed inside of luminaire - electronic ballasts: TRIDONIC, type PCX*x**E101 (PTB 01 ATEX 1048U) at protection mode EEx qe II T5, and CEAG, type EVG 97... and type EVG 05... (PTB 98 ATEX 1086U and PTB 05 ATEX 2018U) at protection mode EEx ed IIC, and for connecting cables there were used cable glands resp. plugs at protection mode EEx e II: PFLITSCH, type U59.UNI Dicht, M 20x1,5 or M 25x1,5; IP68 (PTB 02 ATEX 1115X), and type U28.UNI, M 20x1,5 or M 25x1,5; IP68 (PTB 01 ATEX 3104X).

(16) Report No. : 04/0143-d1

09.06.2005

(17) Special conditions for safe use:

The type luminarie without installed off-load switch must be labelled "Do not open when energized".

(18) Essential Health and Safety Requirements:

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

(19) LIST OF DOCUMENTATION

➤	Technical description	01.03.05	
➤	Drawings No.	3481-5-98-1_1	03.05.04 Rev. 04.03.05
		3481-5-98-1_2	03.05.04 Rev. 04.03.05
➤	Certificate No.	PTB 01 ATEX 1048U	12.06.01
		PTB 98 ATEX 1086U	16.03.99
		PTB 05 ATEX 2018U	11.03.05
		PTB 02 ATEX 1115X	17.10.02
		PTB 98 ATEX 3109	17.04.98

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



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Page: 2/2

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Physical Technical Testing Institute
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Supplement No. 2 to EC-Type Examination Certificate

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

(3) EC-Type Examination Certificate Number:

FTZÚ 04 ATEX 0143X

(4) Equipment or protective system: **Flameproof fluorescent luminaire type PITBUL-Ex**

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

(6) Address: **294 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 fulfilled by satisfying the following standards:

EN 50014:1997+A1+A2

EN 50018:2000

EN 50019:2000

EN 50028:1994

EN 50281-1-1:1998

EN 50017:1998

(11) Marking of equipment shall contain symbols:



II 2GD EEx qmed IIC T5 T 60°C – with off-load switch



II 2GD EEx qmed IIC T5 T 60°C – without off-load switch

(12) This type examination certificate is valid till: **30.09.2009**

Responsible person: _____

Dipl. Ing. Šindler Jaroslav

Head of certification body



Date of issue: 20.02.2006

Number of pages: 2

Page: 1/2

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Ostrava-Radvanice**

(13)

Schedule

(14)

**Supplement No. 2 to
EC-Type Examination Certificate No. FTZÚ 04 ATEX 0143X**

(15) Description of Equipment or Protective System:

A type PITBUL-Ex luminaire was modified for use by the other new components installed in luminaire. That is concerned of the cable glands resp. plugs (polyamide) type GHG 960 92..., IP 66 (PTB 99 ATEX 3128X) at type of protection Ex II 2GD EEx e II, and dummy plugs (polyamide) type GHG 960 663.P..., IP 66 (PTB 98 ATEX 3130) at type of protection Ex II 2G EEx e II. For discharging condensation water from enclosure of luminaire may be used drain plug type GHG 960 1972 R...; M25x1,5; IP 54 (PTB 01 ATEX 1128X) at type of protection Ex II 2G EEx e II. When the drain plug is used than the final type of protection of the luminaire is IP 54.

(16) Report No. : 04/0143-d2

16.02.2006

(17) Special conditions for safe use:

The type luminarie without installed off-load switch must be labelled "Do not open when energized".

(18) Essential Health and Safety Requirements:

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

(19) LIST OF DOCUMENTATION

➤	Technical description	PITBUL-Ex – modification 02	25.11.2005	
➤	Drawings No.	GHG 96 – 3 – 3983	22.10.1996	
		GHG 96 – 3 – 3763	19.12.1991	
		GHG 96 – 4 – 3975	22.07.1997	
		GHG 960 – 3 – 3989	18.11.1997	
		GHG 96 – 4 – 3301	10.10.2001	
➤	Certificates No.	PTB 01 ATEX 1128X	13.11.2001	
		PTB 98 ATEX 3130	12.11.1998	+ supplement No. 1
		PTB 99 ATEX 3128X	20.11.1998	+ supplements No. 1 ÷ 4

Responsible person:

Jindler
Dipl. Ing. Šindler Jaroslav

Head of certification body



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Page: 2/2

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