



EU - Type Examination Certificate

(1)

(2)

Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)

(3) EU - Type Examination Certificate number:

FTZÚ 24 ATEX 0067X

(4) Product: **Luminaire Probay type PRBZ2 series**

(5) Manufacturer: **BARTEC F.N. S.r.l.**

(6) Address: **via M. Pagano, 3; I-20090 Trezzano sul Naviglio (MI), Italy**

(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, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, 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 the Directive.

The examination and test results are recorded in confidential Report number:

24/0067 dated 21.11.2024

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

EN IEC 60079-0:2018+A1:2024, EN 60079-15:2010, EN 60079-28:2015, 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 certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 3G Ex nR IIC T6...T5 Gc
II 2D Ex tb op is IIIC T85°C Db

see clause (17)

This certificate is valid till: **30.11.2029**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 22.11.2024

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Annex: 1 (3 pages)

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**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

Schedule

(14) **EU - Type Examination Certificate No. FTZÚ 24 ATEX 0067X**

(15) Description of Product:

The luminaire consists of two separate parts (light and driver part). The light part consists of an aluminium cooler, a silicone seal, an aluminium frame, a glass window and an LED module. The body of the radiator and the cover plate are connected by screws. The driver part is composed of an aluminium profile with side covers sealed with silicone gaskets fixed with screws and internal electrical equipment located on the mounting plate. Input of power supply cable is via Ex- threaded cable gland M20x1,5 or M25x1,5. Both parts are connected by cable via Ex - threaded cable glands M12x1.5. Unused inputs are blinded with Ex- threaded plugs. The driver part is the same for all variants of the luminaire, the number of separate modules of the lighting part can be changed in the range from one to a maximum of four modules, which are identical. The used optical system located on the LED module can be in the range of 30° to 90° or without an optical system. It is possible to use an adjustable boom or hanging eyes to attach the luminaire.

Basic electrical parameters:

Nominal Voltage Un: 220 - 240 V, 0/50/60 Hz

Degree of protection: IP66

Type code marking of luminaire – see Annex to this certificate.

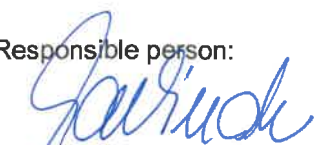
The luminaire and its variants are verified according to the newest standard EN IEC 60079-15:2019 and EN IEC 60079-31:2024 too.

(16) Report Number: 24/0067

(17) Specific Conditions of Use:

1. Ambient temperature: - see Annex to this certificate.
2. The luminaire is intended for fixed installation and must be labelled "Warning - potential danger of electrostatic charging" - see Operational instructions of the lighting fixture installation.
3. The power supply cable shall be effectively fixed to prevent pulling or twisting.
4. The Operational instructions of the lighting fixture installation established by the manufacturer must be complied.

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Physical-Technical Testing Institute, s.p., Pílkartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
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**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

Schedule

(14) **EU - Type Examination Certificate No. FTZÚ 24 ATEX 0067X**

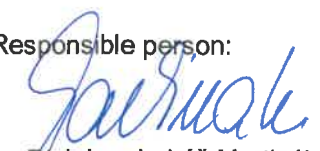
(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this certificate and EN IEC 60079-15:2019 and EN IEC 60079-31:2024.

(19) Drawings and Documents:

Number	Rev	Sheets	Date	Description
03-330-1275	B	7	06.2024	Operational instructions
--	0	1	18.11.2024	Drawing- Nameplate

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Physical-Technical Testing Institute
Ostrava - Radvanice

ANNEX

to EU - Type Examination Certificate No. FTZÚ 24 ATEX 0067X

Type code marking of luminaire:

PRBZ2 * * * * * * * * * * FE

Number of Led Modules

- 1: n°1
- 2: n°2
- 3: n°3
- 4: n°4

Ambient temperature

- 4: -20°C to 40°C
- 5: -20°C to 50°C
- 6: -20°C to 60°C
- 7: -20°C to 70°C
- L: -40°C to 50°C

Luminous flux value

- 635: 6 350 lm
- 099: 9 900 lm
- 122: 12 200 lm
- 127: 12 700 lm
- 178: 17 800 lm
- 198: 19 800 lm
- 241: 24 150 lm
- 244: 24 400 lm
- 262: 26 200 lm
- 302: 30 200 lm
- 366: 36 600 lm
- 488: 48 800 lm

Optical system

- 30: optics with radiant angle 30°
- 60: optics with radiant angle 60°
- 90: optics with radiant angle 90°
- AS: asymmetrical optics 90°
- WO: without optical system

Operation voltage

- 20: (220-240V, 50/60 Hz)

Type of driver

- N: Standard driver
- D: DALI driver

Type of painting

- R71: External RAL 7043)

Type of cable glands

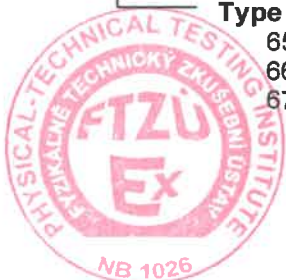
- P: plastic cable gland
- M: metal cable gland

Type of mounting

- 65: standard with eyebolts
- 66: adjustable bracket
- 67: hanger wire

Responsible person:

Lukáš Martinák
Dipl. Ing. Lukáš Martinák
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ANNEX

to EU - Type Examination Certificate No. FTZÚ 24 ATEX 0067X

Ambient temperature according to used components:

Number of Led Modules	Luminous flux value + Optical system	Led power	Ambient temperature	T class
1	12230	69	$-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$	T6
	12260			
	12290			
	122AS			
	122WO			
	990030	54	$-40^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ or $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$	T6 or T5
	09960			
	09990			
	099AS			
	099WO			
	63530	33	$-20^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$	T5
	63560			
	63590			
	635AS			
	635WO			
2	24430	136	$-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$	T6
	24460			
	24490			
	244AS			
	244WO			
	19830	107	$-40^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ or $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$	T6 or T5
	19860			
	19890			
	198AS			
	198WO			
	12730	67	$-20^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$	T5
	12760			
	12790			
	127AS			
	127WO			

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ANNEX

to EU - Type Examination Certificate No. FTZÚ 24 ATEX 0067X

Ambient temperature according to used components (continuation):

Number of Led Modules	Luminous flux value Optical system	Led power	Ambient temperature	T class
3	36630	204	$-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$	T6
	36660			
	36690			
	366AS			
	366WO			
	26230	144	$-40^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ or $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$	T6 or T5
	26260			
	26290			
	262AS			
	262WO			
	17830	94	$-20^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$	T5
	17860			
	17890			
	178AS			
	178WO			
4	48830	287	$-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$	T6
	48860			
	48890			
	488AS			
	488WO			
	30230	163	$-40^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ or $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$	T6 or T5
	30260			
	30290			
	302AS			
	302WO			
	24130	122	$-20^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$	T5
	24160			
	24190			
	241AS			
	241WO			

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