



EN

**"MINPROEKT" EAD****CERTIFICATE**

- [1] **Module B: EU-TYPE-EXAMINATION CERTIFICATE**
(Translation)
- [2] Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 2014/34/EU (ATEX)
- [3] **Module B EC-type-examination Certificate Number: №: MP 18 ATEX 0066**
- [4] **Product (Equipment or protective system): "Luminaire series , type OTMC-SPOT- Ex.x.x"**
- [5] Applicant: „SAMEL-90” AD
- [6] Address: **18 Prespa str. Samokov, Bulgaria**
- [5] Manufacturer: „SAMEL-90” AD
- [6] Address: **18 Prespa str. Samokov, Bulgaria**
- [7] This product (equipment or protective system) and any acceptable variation thereto are specified in details in the schedule to this certificate as well as the documents therein referred to.
- [8] Minproekt EAD, notified body No.1877 in accordance with Article 17 of the Council Directive 2014/34/EU (ATEX) of 26th February 2014, 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 or protective system, intended for use in potentially explosive atmospheres, specified in Annex II of the Directive. The examination and test results are recorded in:

Confidential Test reports № 06/05.06.2009; № 19/21.05.2018

- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012; EN 60079-7:2015; EN 60079-18:2015 and EN 60079-31:2014.
- [10] If the sign "X" is placed after the certificate number, it indicates that this equipment or protective system is subject to special conditions for safe use, specified in the schedule to this certificate.
- [11] This EU-type-examination Certificate on Module B relates only to the design and the construction of this specified equipment or protective system in accordance with Directive 2014/34/EU. This certificate does not cover the requirements of the Directive on the forthcoming procedures relating to the production process and the delivery of the product.
- [12] The marking of the equipment or protective system shall include the following:

II 2 G Ex e_b m_b IIC T6 Gb



II 2 D Ex t_b m_b IIIC T85°C IP66 Db

This certificate does not authorize the manufacturer or his authorized representative to affix the CE mark followed by the identification number of the Notified Body as well as the marketing and / or use. The certificate is a continuation of Certificate MP 09 ATEX 0066 and is valid until 01.06.2023 if there is no change in the conditions under which it was issued.

Sofia, 01.06.2018

Executive Director:
/dipl. eng St. Bosnev/



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- [13] **Schedule**
 [14] **Certificate on "Module B: EU-type-examination" No. MP 18 ATEX 0066 (Translation)**
 [15] **Characteristics of the type, subject to the examination**

1. Technical description

The luminaire consists of an aluminum body, a radiator and a cover, a shield, a cable entry, a power cable, LED block and a driver.

2. Technical data of the product.

2.1. Type designation

	OTMC	SPOT	Ex	x	x
Luminaire with powerful LEDs	—	—	—	—	—
LED luminaire with housing type "SPOT"	—	—	—	—	—
Sign of explosion protection	—	—	—	—	—
Number of LEDs (1, 2 or 3)	—	—	—	—	—
Type of the LEDs	—	—	—	—	—

2.2. Specifications:

Supply voltage:

- direct or alternating voltage - 12V AC/DC; 24V AC/DC;

Power consumption

- from 3W to 6W;

Dimensions, mm: $\varnothing=49\text{mm} \times 90\text{mm}$.

Housing material - aluminum alloy (ALSi 12).

Housing coating - anodic oxidation and powder polymer coating.

Operating Temperature Range: $-20\text{ }^{\circ}\text{C}$ to $+40\text{ }^{\circ}\text{C}$.

Degree of protection IP 66.

Environmentally friendly.

3. Application field

The luminaire is used to illuminate the objects, rooms and outdoor installations where a potentially explosive atmosphere can be formed.

Sofia, 2018-06-01

Executive Director:
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Schedule

Certificate on "Module B: EU-type-examination" No. MP 18 ATEX 0066 (Translation)

[16] Reports № 06/05.06.2009; № 19/21.05.2018

[17] Special requirements for safe use - None.

[18] Essential requirements

18.1. According to Directive 2014/34/EU (ATEX) and the manufacturer instruction, the product is not allowed for Zone 0 and Zone 20.

18.2. Other essential safety requirements are covered by the standards pointed in (9).

[19] List of the technical record parts

19.1 Log and operating instructions

19.2 List of the harmonized European standards and a list of other standards and documents used in the design of the luminaire;

19.3 Report № 9/29.05.2009 – Samel 90

19.4 Test report No 114/12.03.2007; CHIMATECH AD

19.5 Test report No C-828/05.03.2009 ; IM – BAS

19.6 Certificate № 141/12.03.2007

19.7 Declaration of Conformity; OBO-BETTERMANN ((authorized representative of "OBO BETTERMANN" Germany) for the cable entries

19.8 Technical data for the shielding, for the used cable and for the polyurethane material for filling.

19.9 Constructional documentation containing: . drawings № № 2255/10.00.00 ОП, 2255/10.00.00, 2255/10.00.01 ОП, 2255/10.00.01, 2121/10.00.02, 2255/10.00.03, 2255/10.00.04, 2121/10.10.00 ЧС, 2160/10.10.01, 2255/10.10.02, 2121/10.10.00-201, 2255/10.00.00-301, 2255/10.20.00 ЧС, 2255/10.20.01, 2255/10.20.02, 2255/10.30.00, 2255/10.30.01, 2255/10.40.00, 2255/10.40.01

19.10 Updated technical documentation

19.11. Instruction for the filling of luminaires with silicone resin "Silast" D-2 VN and "Silast" D-2 E („Силаст" Д-2 ВН и „Силаст" Д-2 Е).

Sofia, 2018-06-01

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