



AC 099

Ośrodek Badań, Atestacji i Certyfikacji Sp. z o.o. 44-121 Gliwice, ul. Łabędzka 21

(1) EU-TYPE EXAMINATION CERTIFICATE

(2) Equipment, products and protective systems intended for use in Potentially Explosive Atmospheres. Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014.

(3) EU type examination certificate No: **OBAC 23 ATEX 0129, Issue 0**

(4) Equipment: **Lighting fixture type EXF450LED**

(5) Manufacturer: **ATM Lighting Sp. z o.o.**

(6) Address: **ul. Maszynowa 30A, 80-298 Gdańsk POLAND**

(7) This equipment, product or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Institute for Research and Certification „OBAC” Ltd., notified body No.1461 in accordance with Article 17 and Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment, product or protective system 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 and the list of agreed technical documentation are recorded in the confidential Report no. OBAC/23/ATEX/0129.

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

EN IEC 60079-0:2018
EN 60079-7:2015+A1:2018
EN 60079-18:2015+A1:2017
EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment, product or protective system is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified equipment, product or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment, product or protective system. These are not covered by this certificate.

(12) The marking of the equipment, product or protective system shall include the following:

 II 2G Ex eb mb IIC T4...T5 Gb
 II 2D Ex tb IIC T80°C...T115°C Db



Head of Certification Body

Piotr Tarnawski

Gliwice, 29 September 2023



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(13) **SCHEDULE**
(14) **to the EU-Type Examination Certificate**
no. OBAC 23 ATEX 0129, Issue 0

(15) Ex product description:

Lighting fixtures type EXF450LED are dedicated for indoors and outdoors installations. They have a multi-chamber enclosure made of aluminium. Inside one of the chambers, closed with two covers, there are encapsulated power supply and the terminals for the external connections installed. In the other chambers, which are equipped with lampshades made of tempered glass, there are encapsulated LED modules. The electrical connections between the chambers are made by external wires. The enclosure has cable glands for external and internal connections and a bracket for mounting the lighting fixtures.

Marking:

EXF450LED - EY* - * - 24E - * - * - ALU - GL - * - * - * - *

LED modules quantity: _____
2; 3; 4

Control current: _____
1; 2; 3

Wiring: _____
30; 50; 70

Cable glands: _____
10; 20
M; P
20; 25

Optics used: _____
NB; MB; WB; OB; ASY; STD

Mounting bracket: _____
AMO90; AMO180; AMO360

Additional options: _____
3F

Special version: _____
PRG; VENT





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Rated data:

Nominal voltage	100-277 V ±10%, 50-60Hz
Protection degree	IP66 / IP67

Specific version	Max. power	Ambient temperature	Temperature class / max. surface temperature
EXF450LED-EY2-1	105 W	$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T4 / T90°C
		$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$	T5 / T80°C
EXF450LED-EY2-2	160 W	$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$	T4 / T95°C
EXF450LED-EY3-1	160 W	$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$	T4 / T85°C
		$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$	T5 / T80°C
EXF450LED-EY3-2	200 W	$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$	T4 / T100°C
		$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C}$	T5 / T90°C
EXF450LED-EY3-3	240 W	$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$	T4 / T115°C
EXF450LED-EY4-1	210 W	$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$	T4 / T90°C
		$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C}$	T5 / T80°C

(16) Report:

- OBAC/23/ATEX/0129

(17) Specific conditions of use:

- None.

Notes for manufacture, installation and operation:

- A dielectric strength test shall be carried out according to EN 60079-7, 7.1.
- Encapsulated part of the luminaire (LED modules and power supply) shall be subjected to a visual inspection and to dielectric strength in accordance with IEC 60079-18, 9.1 and 9.2.
- Warning – do not open when energized.
- Ambient temperature range depends on temperature class / max. surface temp. and on the version – see rated data.

(18) Essential health and safety requirements:

Met by compliance with the requirements mentioned in item 9.

