



OBAC



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 22 ATEX 0349X, Issue 0**

(4) Equipment: **Lighting fixture type EXL450LED**

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

(6) Address: **ul. Budowlanych 31, 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/22/ATEX/0349.

(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

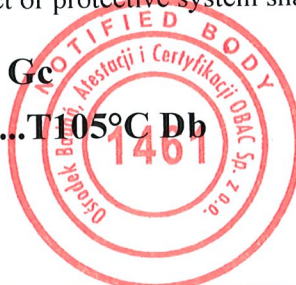
EN 60079-31:2014

(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 3G Ex ec IIC T6...T4 Gc**
 **II 2D Ex tb IIC T80°C...T105°C Db**



Head of Certification Body

Piotr Tarnawski

Gliwice, 16 August 2022



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44-121 Gliwice, ul. Łabędzka 21

(1) **Schedule No. 1**
to
the certificate No. OBAC 22 ATEX 0349X

(2) Equipment, components 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) Product: **Lighting fixture type EXL450LED**

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

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

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

PN-EN IEC 60079-0:2018-09	(EN IEC 60079-0:2018)
PN-EN 60079-7:2016-02+A1:2018-03	(EN 60079-7:2015+A1:2018)
PN-EN 60079-31:2014-10	(EN 60079-31:2014)

(7) Description of changes:

- Introduction of an emergency version powered by an internal battery
- Possibility of using power supply modules of a new type and using terminals to connect external cables with the cross-section of 6 mm²
- Change in rated voltage and ambient temperature ranges
- Modification of rated data and of the version designation

Rated data:

Nominal voltage	version 24E: 100-277 V, 50-60Hz version 35E: 230-305 V, 50-60Hz or 230-431 V DC
Protection degree	IP66 / IP67

Other rated data - see page 3.



Head of Certification Body

Piotr Tarnawski

Gliwice, 28 April 2023.



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(1)

Schedule No. 1 to the certificate No. OBAC 22 ATEX 0349X

Marking:

EXL450LED - EX* - * - *E - * - * - ALU - * - * - * - * - *

LED modules quantity: _____

2; 3; 4

Control current: _____

1; 2

Nominal voltage: _____

24; 35

Wiring: _____

30; 50; 70

Cable glands: _____

10; 20

M; P

20; 25

Lampshade material: _____

GL; PC

Optics used: _____

NB; MB; WB; OB; ASY

Mounting bracket: _____

AMO90; AMO180; AMO360

Additional options: _____

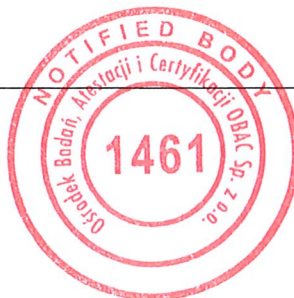
DA; 3F; ZB

Emergency version: _____

A3

Special version: _____

PRG; VENT





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Emergency version	Power consumption max	Ambient temperature	Temperature class / max. surface temperature
EXL450LED-EX2-1	105 W	$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +65^{\circ}\text{C}$	T6 / T80°C
EXL450LED-EX2-2	155 W	$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T5 / T80°C
EXL450LED-EX3-1	155 W	$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +65^{\circ}\text{C}$	T5 / T80°C
EXL450LED-EX3-2	240 W	$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$	T4 / T105°C
EXL450LED-EX4-1	210 W	$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$	T5 / T80°C

Emergency version	Power consumption max	Ambient temperature	Temperature class / max. surface temperature
EXL450LED-EX2-1-...-A3	110 W	$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C} *$	T6 / T80°C
EXL450LED-EX2-2...-A3	160 W		T5 / T80°C
EXL450LED-EX3-1...-A3	160 W		T5 / T80°C
EXL450LED-EX3-2...-A3	245 W		T4 / T105°C
EXL450LED-EX4-1...-A3	215 W		T5 / T80°C

* minimum ambient temperature during battery charging in the fixture: 0°C

- (8) Explosion-proof execution was confirmed in the confidential product evaluation report: OBAC/23/ATEX/0116.
 The introduced changes meet the requirements for devices of group II category 3G and 2D.
 The explosion-proof designation remains unchanged:

II 3G Ex ec IIC T6...T4 Gc

II 2D Ex tb IIIC T80°C...T105°C Db





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(1) **Schedule No. 1**
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the certificate No. OBAC 22 ATEX 0349X

(9) Specific conditions of use:

- Caution – static electricity hazard – see instructions.
- Caution – do not open under voltage.
- In case of battery replacement (concerning version EXL450LED-...-A3):
 - use solely battery packs supplied by the manufacturer of the fixture
 - do not replace the battery in an explosive atmosphere.
- Ambient temperature range depends on temperature class / max. surface temp. and on the version – see rated data.
- Concerning version EXL450LED-...-A3: minimum ambient temperature during battery charging in the fixture: 0°C.

Notes for manufacture, installation and operation:

The product shall be subject to a dielectric resistance test according to PN-EN 60079-7, 7.1.

(10) Technical documentation:

The technical documentation is specified in the confidential report no. OBAC/23/ATEX/0116.

