



OBAC



AC 099

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

(1) EU-TYPE EXAMINATION CERTIFICATE

(Translation)

(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 21 ATEX 0060X, Issue 0**

(4) Equipment: **Lighting fixture type EXL400LED**

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

(6) Address: **ul. Budowlanych 31, 80-298 Gdańsk**

(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/21/ATEX/0060.

(9) 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)

(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/T5 Gc**
 **II 2D Ex tb IIC T75°C/T100°C Db**



**Certification Body
Manager**


Piotr Tarnawski M. Com.

Gliwice, 30 April 2021.



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(13)

(14)

SCHEDULE to the EU-Type Examination Certificate no. OBAC 21 ATEX 0060X, Issue 0

or



II 3G Ex ec IIC T6/T5 Gc



II 3D Ex tc IIC T75°C/T100°C Dc

(15) Ex product description:

Lighting fixtures type EXL400LED are dedicated for indoors and outdoors installations. They are single-chamber devices with aluminium body and tempered glass / plastic lens. Inside the enclosure, there are power supply modules, LED modules, and – in the backup power supply version (A3) – battery pack modules. The fixture has terminals and cable glands, enabling “pass-through” or end connection of the power supply.

Rated data:

Rated voltage	230 V AC or DC; 24 V DC depending on the version
Power supply voltage frequency	0; 50-60 Hz depending on the version
Enclosure protection degree	IP66 / IP67

Ambient temperature	Type and level of protection	Temperature class / max. surface temp.	Versions
$-25^{\circ}\text{C} \geq T_{\text{amb}} \geq +45^{\circ}\text{C}$	“ec”; “tb”	T6; T75°C	All, apart from A3
$-20^{\circ}\text{C} \geq T_{\text{amb}} \geq +45^{\circ}\text{C}$		T6; T75°C	A3 version with backup power supply
$-25^{\circ}\text{C} \geq T_{\text{amb}} \geq +50^{\circ}\text{C}$		T5; T100°C	Version powered by 24 V DC
$-25^{\circ}\text{C} \geq T_{\text{amb}} \geq +55^{\circ}\text{C}$		T5; T100°C	All, apart from A3 and 24 V DC
$-25^{\circ}\text{C} \geq T_{\text{amb}} \geq +60^{\circ}\text{C}$	“ec”; “tb”	T5; T100°C	All, apart from A3





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(13)

(14)

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Marking:

EXL400LED - ** - ** - * *** - * - *** - ALU - * - * - * - ***

Approx. fixture length: _____
0300; 0600; 1200; 1500

LED module type / quantity: _____
E; I
1; 2; 4; 5; 8; 10

Control current: _____
1; 2; 3

Power supply: _____
11; 34; 35
E

Wiring: _____
20; 22; 30; 33; 40; 44; 50; 55;
60; 66; 70; 77; 80; 88

Cable glands: _____
10; 11; 20; 21; 22
M; P
20; 25

Lens material: _____
GL; SGL; PC; PM

Optics used: _____
NB; WB

Additional options: _____
A3; ZB; DA; EXIT

Mounting bracket: _____
AMOA; AMOB; AMOC; AMOD; AMOE

(16) Report:
- OBAC/21/ATEX/0060





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SCHEDULE

(13)

(14)

**to the EU-Type Examination Certificate
no. OBAC 21 ATEX 0060X, Issue 0**

(17) Specific conditions of use:

- Caution – static electricity hazard – see instructions.
- Caution – do not open under voltage.
- In case of battery replacement (concerning version EXL400LED...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.

Notes for manufacture, installation and operation:

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

(18) Essential health and safety requirements:

Met by compliance with the requirements mentioned in item 9.





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Ośrodek Badań, Atestacji i Certyfikacji Sp. z o.o.

44-121 Gliwice, ul. Łabędzka 21

(1) **Schedule No. 1**
to
the certificate No. OBAC 21 ATEX 0060X

(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 EXL400LED**

(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:

- Possibility of using new types of power supply modules
- Change of ambient temperature ranges

Rated data:

Ambient temperature	Type and level of protection	Temperature class / max. surface temp.	Versions
$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C}$	„ec”; „tb”	T6; T75°C	All, apart from A3
$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C} *$		T6; T75°C	A3 version with backup power supply
$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$	„ec”; „tc”	T5; T100°C	Version powered by 24 V DC
$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$		T5; T100°C	All, apart from A3 and 24 V DC
$-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$		T5; T100°C	All, apart from A3

* min. ambient temperature during battery charging in the luminaire: 0°C

Other parameters remain unchanged.



Head of Certification Body

Piotr Tarnawski M. Com.

Gliwice, 24 April 2023.



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(1) **Schedule No. 1**
to
the certificate No. OBAC 21 ATEX 0060X

Marking:

-No change.

- (8) Explosion-proof execution was confirmed in the confidential product evaluation report:
OBAC/22/ATEX/0553.
The introduced changes meet the requirements for devices of group II category 2G.
The explosion-proof designation remains unchanged:

 II 3G Ex ec IIC T6/T5 Gc

 II 2D Ex tb IIC T75°C/T100°C Db

or

 II 3G Ex ec IIC T6/T5 Gc

 II 3D Ex tc IIC T75°C/T100°C Dc

- (9) Specific conditions of use:
-No change.
- (10) Technical documentation:
The technical documentation is specified in the confidential report no. OBAC/22/ATEX/0553.

