EU TYPE EXAMINATION CERTIFICATE

[1]

[2] Equipment and protective systems intended for use in potentially explosive atmospheres. Directive 2014/34/EU (Rozporządzenie Ministra Rozwoju z dnia 06.06.2016r. Dz.U. z dnia 09.06.2016r. Poz. 817)

[3] EU type examination certificate (module B):

KDB 25ATEX0012X **0th edition**

[4] Equipment:

Lighting fixtures for standard and emergency lighting type EXF400LED

[5] Manufacturer:

ATM Lighting Sp. z o.o.

[6] Address:

ul. Maszynowa 30A, 80-298 Gdańsk, Poland

[7] The equipment or protective system and any acceptable variations thereto are specified in the schedule to this certificate.

[8] Główny Instytut Górnictwa – Państwowy Instytut Badawczy, Notified Body no 1453 according to Directive 2014/34/EU of February 26, 2014, approves that the equipment or protective system specified in this certificate has been found to comply with the essential health and safety requirements for the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere given in Annex II to Directive 2014/34 /EU (Załącznik nr 2 Rozporządzenia Ministra Rozwoju z dnia 06.06.2016r. Dz.U. z dnia 09.06.2016r. Poz. 817). The results of the assessment and examinations as well as the list of agreed documentation are recorded in the confidential Report **KDB No 25.021 [T-7829]**

[9] The essential health and safety requirements have been met by compliance with the requirements of the following standards:

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

[10] If sign "X" is placed after the certificate number, this means the special conditions of use set out in the schedule to this certificate.

[11] This EU type examination certificate relates only to the construction, assessment and testing of the specified product in accordance with Directive 2014/34 /EU (Rozporządzenie Ministra Rozwoju z dnia 06.06.2016r. Dz.U. z dnia 09.06.2016r. Poz. 817). The certificate shall not cover the remaining requirements of the Directive regarding the manufacturing process and placing the equipment or protective system on the market.

[12] The marking of the equipment shall include the following:

II 2G Ex eb mb IIC T5 Gb
II 2D Ex tb IIIC T85°C Db

KIEROWNIK
Zespołu ds. Bezpieczeństwa Przeciwwybuchowego
Jednostki Oceny Zgodności
GŁÓWNEGO INSTYTUTU GÓRNICTWA -
Państwowego Instytutu Badawczego
mgr inż. Piotr Madej

ATEX Certification Expert

KIEROWNIK
Jednostki Oceny Zgodności
Głównego Instytutu Górnictwa -
Państwowego Instytutu Badawczego
dr inż. Dariusz Stefaniak

Date of issue: 15 May 2025

Główny Instytut Górnictwa – Państwowy Instytut Badawczy, 40-166 Katowice, Plac Gwarków 1, Poland, www.gig.eu
Jednostka Oceny Zgodności, 43-190 Mikołów, ul. Podleska 72, www.gigcert.com
Certification Body accredited by PCA *[Polish Centre for Accreditation]*, **No AC038.**

[15] Description:

Lighting fixtures type EXF400LED are intended, depending on the variant, for use in indoor and outdoor installations in zones 1 and 2 of the explosion hazard of mixtures of gases, vapours and mists of flammable liquids with air classified as explosion groups IIA, IIB, IIC, as well as zones 21 and 22 of the explosion hazard of dust and flammable fibers classified as explosion groups IIIA, IIIB, IIIC.

The lighting fixtures can be available in a version with emergency power supply, in which secondary cells assessed in the KDB 15ATEX0049X certificate are used.

The lighting fixtures are made as increased safety devices "e" with hermetically sealed components "m". They meet requirements of the protection by the enclosure „t" as well. The enclosure is made of an aluminum with a glass or polycarbonate lamp shade. Inside lighting fixtures increased safety terminals Ex e, power supply and/or converter in the type of protection Ex m are used. The connectors used ensure secure fastening of the power cable cores. In addition, for LED modules mounted in luminaires type EXF400LED, as the explosion-proof type of protection - encapsulation and protection of devices using optical radiation are used.

The lighting fixtures can be equipped with a maximum of four certified cable entries and/or plugs.

In ligthing fixtures type EXF400LED following equipment can be mounted:

- terminals, manufacturer WAGO, type of protection Ex II 2G Ex eb IIC Gb, certificate PTB 06ATEX1061U,
- terminals type 221-..., manufacturer WAGO, type of protection Ex II 2G Ex eb IIC Gb, certificate PTB 18ATEX1019U,
- terminals type 262-..., manufacturer WAGO, type of protection Ex II 2G Ex eb IIC Gb, certificate PTB 98ATEX3125U,
- terminals type 264-..., manufacturer WAGO, type of protection Ex II 2G Ex eb IIC Gb, certificate PTB 98ATEX3125U,
- power supply LED series BG1 type HFX or HFXE LED, manufacturer BAREL, type of protection Ex II 2G Ex eb mb IIC T4, certificate Presafe 14ATEX5355U,
- alternatively power supply LED series BG2 type HFX or HFXE LED, manufacturer BAREL, type of protection Ex II 2G Ex eb mb IIC Gb, certificate ExVeritas 22ATEX1237U,
- alternatively power supply type ATM-Z1.H80, ATM-Z1.H80.DA, ATM-Z1.H120 or ATM-Z1.H120.DA, manufacturer ATM Lighting, type of protection Ex II 2G Ex mb IIC Gb, certificate KDB 24ATEX0038U,
- converter type ATM-E1.T50 or ATM-E1.T250, manufacturer ATM Lighting, type of protection Ex II 2G Ex mb IIC Gb, certificate KDB 24ATEX0037U;
- modules LED type FC manufacturer ATM Lighting.

Lighting fixtures EXF400LED are available in the following variants:

EXF400LED-.1.-.2. .3.-.4.-.5.-.6. .7. .8.-.9.-.10.-.11.-.12.-.13.-.14.

	marking of the length of the lighting fixtures:
1 -	0600, 1200
	modules LED:
2 -	type: FC - power 17,7W
3 -	number of LED modules: 1, 2, 4
	version of the control:
4 -	1, 2, 3
	marking of the supply:
5 -	24E - 110-254V 50÷60Hz 25E - 110-254V 50÷60Hz; 220-240V DC 34E - 220-240V 50÷60Hz 35E - 220-240V 50÷60Hz; 220-240V DC 36E - 220-240V 50÷60Hz; 110-240V DC 44E - 110-127V 50÷60Hz 45E - 110-127V 50÷60Hz; 110-127V DC
	marking of the wiring:
6 -	30, 33, 40, 44, 50, 55, 60, 66, 70, 77, 80
	marking of the cable glands:
7 -	arrangement and number of cable glands: 10, 11, 20, 21, 22
8 -	material of the cable gland: P, M
9 -	size of the cable gland: 20, 25
	material of the enclosure:
10 -	ALU - aluminum
	material of the lampshade:
11 -	GL - tempered glass PC - polycarbonate
	optional version:
12 -	A3 - version with the module 3h, A1 - version with the module 1,5h
	ZB - version for central battery
13 -	DA - version with DALI interface
14 -	3F - three phase version

Technical parameters:

Version EXF400LED-...	-FC1-...	-FC2-...	-FC4-...
Marking	II 2G Ex eb mb IIC T5 Gb		
	II 2D Ex tb IIIC T85°C Db		
Rated voltage:	110-254V 50÷60Hz, 220-240V DC, 220-240V 50÷60Hz, 110-240V DC, 110-127V 50÷60Hz, 110-127V DC		
Source of the light LED modules:	max. 27,5 W	max. 49,6 W	max. 94,8 W
Maximum current for feed-through connections:	16A dla L, N, PE 10A dla L1, L2, L3, N, PE		
Temperature class:	T5		
Maximum surface temparature:	T85°C		
Minimum ambient temperature:	-40°C Opcjonalnie dla wersji A1 lub A3 -20°C		
Maximum ambient temperature:	+55°C		
Ingress protection IP:	IP66 / IP67		

[16] Test Report:

"ATEX assessment report" KDB No 25.021

[17] Special conditions of use:

- Prevent dust and dirt from accumulating on the fixture. The lighting fixtures should be cleaned using a vacuum cleaner adapted to the existing working conditions or a soft cloth with an antistatic agent. Do not use chemicals that may damage any part of the fixture.
- Depending on the design of the lighting fixtures, certified cable glands and/or plugs ensuring a minimum degree of protection IP65 or IP66/IP67 should be used

[18] Essential health and safety requirements:

Met by fulfilling the requirements of the following standards:
EN IEC 60079-0:2018; EN 60079-7:2015;
EN IEC 60079-7:2015/A1:2018;EN 60079-18:2015/A1:2017;
EN 60079-31:2014
(PN-EN IEC 60079-0:2018-09; PN-EN 60079-7:2016-02/A1:2018-03;
PN-EN 60079-18:2015-06/A1:2018-02; PN-EN 60079-31:2014-10)

Document history:

- EU type examination certificate KDB 25ATEX0012X, 0 edition of May 15, 2025, initial certification.