



## 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 18ATEX0013X** **2nd edition**
- [4] Equipment:  
**Lighting fixtures types EX40... LED...**
- [5] Manufacturer:  
**LIGHTPARTNER GmbH & Co. KG**
- [6] Address:  
**Am Mohrenshof 7, 28277 Bremen, GERMANY**
- [7] The equipment or protective system and any acceptable variations thereto are specified in the schedule to this certificate.
- [8] Główny Instytut Górniczo – 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 18.019-2 [T-7516]**
- [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 T55°C or T70°C Db**

**KIEROWNIK**  
Zespołu ds. Bezpieczeństwa Przeciwybuchowego  
Jednostki Oceny Zgodności  
**GŁÓWNEGO INSTYTUTU GÓRNICZWA -  
Państwowego Instytutu Badawczego**  
  
mgr inż. Piotr Madej

ATEX Certification  
Expert



**KIEROWNIK**  
Jednostki Oceny Zgodności  
Głównego Instytutu Górniczo –  
Państwowego Instytutu Badawczego  
  
dr inż. Dariusz Stefaniak

**Date of issue: 15 May 2025**

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Główny Instytut Górniczo – 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.

This certificate may only be reproduced in its entirety together with schedules. The document without signatures and stamps shall be not valid.

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**SCHEDULE**  
EU type examination certificate  
**KDB 18ATEX0013X 2nd edition**



**[15] Description:**

Lighting fixtures types EX40... LED... 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 fibres classified as explosion groups IIIA, IIIB, IIIC.

The lighting fixtures are made as increased safety devices "e" and protected by enclosure "t". The mounting plate and mounting brackets are made of powder-coated galvanized sheet metal. The connectors used ensure secure fastening of the power cable cores. In addition, for LED modules used in the luminaires a type of explosion-proof protection - encapsulation "m" 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.

**Lighting fixtures EX40... LED... are available in the following variants:**

**EX40.1.LED.2. .3./4./5./6./7./8./9./10.**

	<b>marking of the length of the lighting fixtures:</b>
1-	S - ~730mm, L - ~1340mm
	<b>emergency version:</b>
2-	BU - version with 3h module, none - version without emergency power module
	<b>LED modules:</b>
2-	type: F or FX - power 17,7W, G or GX - power 10,9W
3-	number of LED modules: 1, 2, 4
	<b>power supply:</b>
4-	110-254V 50÷60Hz, 220-250V DC 220-240V 50-60Hz
	<b>marking of the wiring:</b>
5-	3pol, 3pol-tw, 4pol, 4pol-tw, 5pol, 5pol-tw
	<b>arrangement and number of cable glands:</b>
6-	arrangement and number of cable glands: 1-0, 1-1, 2-0, 2-1, 2-2
	<b>material of cable glands:</b>
7-	PA, MS
	<b>size of cable glands:</b>
8-	20, 25
	<b>type of mounting brackets:</b>
9-	LP160, GL
	<b>optional version:</b>
10-	DA - version with DALI Interface



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In lighting fixtures type EX40... LED... following equipment can be mounted:

- terminals type ZDUB-2.5-2\_4AN, manufacturer Weidmüller, type of protection II 2GD Ex eb IIC Gb, KEMA 97ATEX2755U, DEMKO 19ATEX1808U or
- terminals type 264-230, manufacturer WAGO, type of protection II 2G Ex eb IIC Gb, certificate PTB 98ATEX3129U;
- power supply LED type HFX or HFXE LED, manufacturer BAREL, type of protection II 2G Ex eb mb IIC T4, certificate Presafe 14ATEX5355U;
- 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 II 2G Ex mb IIC Gb, certificate KDB 24ATEX0038U;
- alternatively converter type ATM-E1.T50 or ATM-E1.T250, manufacturer ATM Lighting, type of protection II 2G Ex mb IIC Gb, certificate KDB 24ATEX0037U;
- modules LED type F, FX, G, GX, manufacturer ATM Lighting.

**Technical parameters:**

Version	EX40... LED...	-F1-... -FX1-...	-F2-... -FX2-...	-F4-... -FX4-...	-G2-... -GX2-...	-G4-... -GX4-...
Marking		II 2G Ex eb mb IIC T5 Gb				
		II 2D Ex tb IIIC T55°C or 70°C Db				
Rated voltage:	110-254V 50÷60Hz; 220-250V DC 220-240V 50-60Hz					
Source of the light LED modules:	max 21,2 W	max 38,6 W	max 78,1 W	max 25,3 W	max 47,0 W	
Maximum current for feed-through connections:	16A for L, N, PE 10A for L1, L2, L3, N, PE					
Temperature class	T5					
Maximum surface temperature	T55°C	T55°C	T55°C	T70°C	T70°C	
Minimum ambient temperature	-40°C Optional for version BU -20°C					
Maximum ambient temperature:	+45°C	+ 45°C	+45°C	+ 60°C	+ 55°C	
Ingress protection IP:	IP66 / IP67					

**[16] Test Report:**

"ATEX assessment report" KDB No 18.019-2



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**[17] Special conditions of use:**

- Do not allow dust to accumulate on the lighting fixtures. 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 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 18ATEX0013X, 0 edition of March 29, 2018, initial certification.
- EU type examination certificate KDB 18ATEX0013X 1st edition of March 22, 2021, supersedes the certificate KDB 18ATEX0013X 0 edition of March 29, 2018. Added new special condition of use.
- EU type examination certificate KDB 18ATEX0013X 2nd edition of May 15, 2025, supersedes the certificate KDB 18ATEX0013X 1st edition of March 22, 2021, Name of the manufacturer has been changed. The possibility of using of a new type power supply and converter has been introduced:
  - alternatively power supply type ATM-Z1.H80, ATM-Z1.H80.DA, ATM-Z1.H120 or ATM-Z1.H120.DA, manufacturer ATM Lighting
  - alternatively converter type ATM-E1.T50 or ATM-E1.T250, manufacturer ATM LightingThe possibility of using of LED modules of own production has been introduced. Marking of lighting fixtures have been changed. Documentation has been updated.

