



AC 149



EU-TYPE EXAMINATION CERTIFICATE

- (1)
- (2) Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU
- (3) EU-Type Examination Certificate Number: **JSHP 22 ATEX 0022X** *issue 1*
- (4) Product: **Luminaire type: EXF400LED**
- (5) Manufacturer: **ATM Lighting Sp. z o.o.**
- (6) Address: **80-298 Gdańsk, ul. Budowlanych 31, Poland**
- (7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) J.S. Hamilton Poland Sp. z o.o., Notified Body no. 2057, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product 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 are recorded in confidential Report No. JSHP/RW/63/21/U1/RM.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- | | | | |
|---|--|--|---|
| EN IEC 60079-0:2018
(PN-EN IEC 60079-0:2018-09) | EN 60079-7:2015
(PN-EN 60079-7:2016-02) | EN IEC 60079-7:2015/A1:2018
(PN-EN 60079-7:2016-02/A1:2018-03) | |
| EN 60079-18:2015
(PN-EN 60079-18:2015-06) | EN 60079-18:2015/A1:2017
(PN-EN 60079-18:2015-06/A1:2018-02) | EN 60079-28:2015
(PN-EN 60079-28:2015-12) | EN 60079-31:2014
(PN-EN 60079-31:2014-10) |
- (10) If the sign "X" is placed after the certificate number, it indicates that the product 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 product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
This certificate is valid in its entirety, schedule(s) included.
- (12) The marking of the product shall include the following:

**II 2G Ex eb mb op is IIC T5 Gb****II 2D Ex tb op is IIIC T85°C Db**Siemianowice Śl., 28th July 2022



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(15) Description of product:

Luminaire type EXF400LED is designed for indoor and outdoor installations in zones 1 and 2 of gas and liquid vapor explosion hazard, and zone 21 and 22 of dust explosion hazard. The luminaire is made in two types 0600 or 1200. The luminaire enclosure is made as a single-chamber, the enclosure body and end-caps are made of aluminum, while the diffuser is made of polycarbonate or tempered glass. Inside the enclosure, there is a mounting plate, to which the power supply is screwed (from the back), and a plate with LED diodes at the front. LED modules and the power supply are made as a type of explosion protection "m" (encapsulation). Cable glands built into the side wall of the enclosure are used to insert the power cable and through-going cables. A silicone gasket is placed between the body and the diffuser.

Technical characteristics:

Rated power supply	220 ÷ 240 V AC/DC or 220 ÷ 250 V DC and 110 ÷ 254 V AC
Maximum rated power	25W or 45W or 90W
Maximum through-terminal current	16 A
Ambient temperature	-40 °C ≤ Tamb ≤ +55 °C
Enclosure ingress protection	IP66/67

The luminaire uses equipment with its own EU-type examination certificates:

Name	Type	Certificate number
Cable gland	ESKE/1-e	PTB 13 ATEX 1015X
	ESKKE	PTB 05 ATEX 1098X
	EMSKE 20-25	PTB 04 ATEX 1112X
	EX-EVSG	PTB 06 ATEX 1032X
	EX-EMVS	PTB 05 ATEX 1106
Terminal strip (terminal)	ZDUB 2.5-2_4AN	DEMKO 16 ATEX 1808U
	264-230	PTB 98 ATEX 3129U
LED power supply	EX ATM.Z1.350	JSHP 22 ATEX 0008U
	HFX(E) LED	Presafe 14 ATEX 5355U

(16) Report number:

– JSHP/RW/63/21/U1/RM

(17)

Specific conditions of use:

- Due to the risk of electrostatic charges, the diffuser made of plastic should be cleaned with a cloth moistened with an antistatic agent.
- Do not allow dust to accumulate on the enclosure of the luminaire.

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(18) Essential Health and Safety Requirements:

These requirements (EHSRs) are covered by the standards listed at item 9.

(19) Drawings and documents:

- Instrukcja obsługi i eksploatacji oprawy oświetleniowej EXF400LED.
- Wyniki analizy zgodności z wymaganiami normy. Przeciwwybuchowa oprawa oświetleniowa EXF400LED. Nr referencyjny EXF400LED-ANALIZA.01. Data 25 luty 2022.
- Instrukcja obsługi i eksploatacji oprawy oświetleniowej EXF400LED. Nr instr: I.EXF400LED.01. Data wydania: 21.07.2022. Wydanie: 2.0.

Detailed list of documents required for certified type identification is included in Report mentioned in Clause (16).

(20) Document history:

- EU type examination certificate No. JSHP 22 ATEX 0022X of 28.04.2022 - issue 0.
- EU type examination certificate No. JSHP 22 ATEX 0022X of 28.07.2022 – issue 1 replaces the certificate no. JSHP 22 ATEX 0022X of 28.04.2022 – issue 0.
Supply voltage and power ratings updated.

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