



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 20 ATEX 0071X**
- (4) Product: **Luminaires type EXF390LED...**
- (5) Manufacturer: **ATM Lighting sp. z o.o.**
- (6) Address: **ul. Budowlanych 31, 80-298 Gdańsk, 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/64/20/AP.
- (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) | PN-EN 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 60079-28:2015
(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 T70°C Db




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SCHEDULE

CERTIFICATE No. JSHP 20 ATEX 0071X

(13)

(14)

(15) Description of product:

Luminaires type EXF390LED... are made as single-chamber devices. The body is made of galvanized steel (GS) or stainless steel (NIRO), the mounting plate is made of galvanized steel. Luminaires, with a rectangular or square-shaped base, are designed for direct mounting in coffered suspended ceilings (RC) or optionally on the ceiling surface (SF). Luminaires type EXF390LED... in emergency version (A3) have built-in battery.

Versions:

EXF390LED-.....

- mounting accessory:
 - RC – suspended ceiling mounting
 - SF – on the ceiling surface mounting
- emergency version:
 - A3 – version with 3h module
 - ZB – version for central battery
- lampshade material:
 - GL – tempered glass, PC – polycarbonate
- housing material:
 - GS – galvanized steel, NIRO – stainless steel
- cable glands marking:
 - 10 – one gland, 11 – two glands
 - P – plastic, M – metal
 - 20, 25 – gland diameter in mm
- wiring marking:
 - 30 – for single-phase of standard version
 - 40 – for single-phase of emergency version
 - 50 – for three-phase of standard version
 - 60 – for three-phase of emergency version
- power supply marking:
 - 35E – 110-254VAC, 220-250VDC
- LED modules:
 - FA2, FA4 – type and number of LED modules
 - FA2 – two modules, FA4 – four modules
- luminaire length marking:
 - 0600, 1200



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(13)

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(14)

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The following Ex components are used in the luminaires type EXF390LED...:

- ballast HFX and HFXE LED manufactured by Barel certificate no. Presafe 14 ATEX 5355U
- cable glands EMSKE-L manufactured by Wiska certificate no. PTB 04 ATEX 1112 X
- cable glands ESKE/1-e manufactured by Wiska certificate no. PTB 13 ATEX 1015 X
- connectors manufactured by WAGO certificate no. PTB 98 ATEX 3129 U

Technical characteristics:

Rated power supply	110-254VAC, 220-250VDC
Protection class	I
Luminaire rated power:	
- for FA2 version	25 W
- for FA4 version	48W
Ambient temperature:	
-40°C ≤ Ta ≤ +55°C	for standard and ZB versions
0°C ≤ Ta ≤ +45°C	for A3 version

(16)

Report number:

- JSHP/RW/64/20/AP

(17)

Specific conditions of use:

- Risk of occurrence of dangerous electrostatic charges - the procedure is given in the manuals of the luminaires.
- Ambient temperature is:
 - 40°C ≤ Ta ≤ +55°C for standard and ZB versions
 - 0°C ≤ Ta ≤ +45°C for A3 version

(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 EXF390LED. Wersja 1 2020.10
- Instrukcja obsługi i eksploatacji oprawy oświetleniowej EXF390LED-...-A3. Wersja 1 2020.10

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




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