



AC 149

J.S. Hamilton Poland Sp. z o.o.**Notified Body No. 2057**

ul. Wyzwolenia 14

41-103 Siemianowice Śląskie

**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** issue 1(4) Product: **Luminares 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/U1/GP.

(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 60079-28:2015**
(PN-EN 60079-28:2015-12)**EN 60079-31:2014**
(PN-EN 60079-31:2014-10)**EN 60079-18:2015**
(PN-EN 60079-18:2015-06)

(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 DbDamian Wróbel
Kierownik
Jednostki Certyfikującej**HAMILTON**Siemianowice Śl., 29th September 2022J.S. Hamilton Poland Sp. z o.o., ul. Chwaszczyńska 180, 81-571 Gdynia
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P-9.1.1/F5.8E z dnia 24.01.2022 r.

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SCHEDULE

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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

cabl 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:

25E – 110-254VAC, 220-240VDC

35E – 220-240V AC&DC

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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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,
- explosion- proof LED power supply type EX ATM-Z1-... manufactured by ATM lighting, certificate no. JSHP 22 ATEX 0008U,
- 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:

25E version 110-254VAC, 220-240VDC

35E version 220-240V AC&DC

Protection class I

Ingress protection IP65

Luminaire rated power:

- for FA2 version max 25 W

- for FA4 version max 48W

Ambient temperature:

-40°C ≤ Ta ≤ +55°C for standard and ZB versions

0°C ≤ Ta ≤ +45°C for A3 version

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Report number:

- JSHP/RW/64/20/U1/GP

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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

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Essential Health and Safety Requirements:

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



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Drawings and documents:

- Instrukcja obsługi i eksploatacji oprawy oświetleniowej I.EXF390LED.01 Wersja 1, 2022.09
- Instrukcja obsługi i eksploatacji oprawy oświetleniowej I.EXF390LED.02-...-A3. Wersja 2.1, 2022.09

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 20ATEX 0071X of 4th November 2020 - issue 0
- EU type examination certificate No. JSHP 20ATEX 0071X of 29 September 2022 - issue 1 supersedes the certificate No. JSHP 20ATEX 0071X issue 0 of 4th November 2020.

The possibility of using a certified power supply of own production has been introduced.



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