



OBAC



AC 099

Ośrodek Badań, Atestacji i Certyfikacji Sp. z o.o.
44-121 Gliwice, ul. Łabędzka 21

(1) TYPE EXAMINATION CERTIFICATE

(2) Equipment, components and protective systems intended for use in potentially explosive atmospheres. Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014.

(3) Type examination certificate No: **OBAC 21 ATEX 0470X**

(4) Product: **Luminaire HIPEX**

(5) Manufacturer: **Airfal International S.L.**

(6) Address: **CALLE RIO ESERA N^o 5
50830 VILLANUEVA DE GALLEGO (Zaragoza) SPAIN**

(7) This equipment, component or protective system and any of its approved version is specified in this certificate and in documents listed in p. 19.

(8) Ośrodek Badań, Atestacji i Certyfikacji OBAC Sp. z o.o. (The Institute for Research and Certification „OBAC” Ltd) certifies that this equipment, component or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment, component or protective systems intended for use in potentially explosive atmospheres given in Annex II to the European Council Directive 2014/34/EU.

The examination and test results are recorded in the confidential report No. OBAC/21/ATEX/0470.

(9) Compliance with the Safety Requirements has been assured by conformity with:

EN IEC 60079-0:2018-09

EN IEC 60079-15:2019-06

EN 60079-31:2014-10

(10) If the sign „X” is placed after the certificate number, it indicates that the product concerned is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This certificate is valid from 12.10.2021 until 11.10.2026 and relates only to the design, assessment and tests of the specified equipment according to the Directive 2014/34/EU. The certificate does not apply to further requirements of the Directive relating to the manufacture and placing on the market of this equipment.

(12) The marking of the equipment, component or protective system must include the following:

II 3G Ex nR IIC T6 Gc

II 3D Ex tc IIC T85°C Dc



Head of Certification Body

Piotr Tarnawski

Gliwice, 12th October 2021



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(13)

(14)

SCHEDULE to the Type Examination Certificate No. OBAC 21 ATEX 0470X

(15) Ex Product description:

The luminaire's housing consists of polycarbonate tube, closed at both ends by two stainless steel caps. One of cap has a hole in which cable gland is to be mounted. Led modules, electronic driver and optionally, emergency kit with batteries are mounted inside.

Rated data:

Nominal voltage Un: 220-240V, 50-60Hz

Nominal current In: 0.22-0.65A

Ambient temperature range $-25^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$

Degree of protection IP69

Ref. number	Size	Power [W]	Length [mm]	Diameter [mm]
HI113	600	13	763	100
HI114	600	13	763	100
HI123	600	16	763	100
HI124	600	16	763	100
HI213	1200	24	1375	100
HI214	1200	24	1375	100
HI223	1200	32	1375	100
HI224	1200	32	1375	100
HI313	1500	29	1660	100
HI314	1500	29	1660	100
HI323	1500	40	1660	100
HI324	1500	40	1660	100

Marking:Luminaire **HIPEX**

full type designation: HIPEX HI... (see table above)

(16) Report:

- OBAC/21/ATEX/0470

Luminaire HIPEX meets the requirements for devices with explosion proof design and may be used as a device of group II, category 3GD.





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No. OBAC 21 ATEX 0470X**

(17) Special conditions for safe operation:

- the luminaire should be fitted with certified cable glands with appropriate thread, Ex marking (nR, tc), operating temperature range and required IP. Unused openings must be closed with Ex blanking elements.
- earth tag mounted on the cable gland shall be used for equipotential bonding conductor connection - see manual.
- the luminaire does not have a test port - refer to the manual for instructions of gasket replacement (regarding "nR" type of protection).
- WARNING – do not open when energized.
- WARNING – do not open when an explosive atmosphere is present.
- WARNING – potential electrostatic charging hazard – see instructions.

Notes for manufacture, installation and operation:

- Every luminaire shall be subjected to dielectric strength tests, according to 12.1 of EN 60079-15 and routine test for restricted-breathing enclosures without test port, according to 12.2 of EN 60079-15 (regarding "nR" type of protection).

(18) The compliance with Safety Requirements has been assured by compliance with standards shown in p.9 of this certificate.

