



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX OBAC 21.0007X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2021-12-23
Applicant: **Airfal International, S.L.**
CALLE RIO ESERA Nº 5
VILLANUEVA DE GALLEGO
Zaragoza 50830
Spain
Equipment: **luminaire Hipex**
Optional accessory:
Type of Protection: **restricted-breathing enclosure "nR"; dust ignition protection by enclosure "t"**
Marking: Ex nR IIC T6 Gc ; Ex tc IIIC T85°C Dc

Approved for issue on behalf of the IECEx
Certification Body:

Piotr Tarnawski

Position:

Head of Certification Body ExCB

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Osrodek Badan, Atestacji i Certyfikacji OBAC Sp. z o.o.
Labeledzka 21
44-121 Gliwice
Poland





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Manufacturer: **Airfal International, S.L.**
CALLE RIO ESERA Nº 5
VILLANUEVA DE GALLEGO
Zaragoza 50830
Spain

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-15:2017](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[PL/OBAC/ExTR21.0006/00](#)

Quality Assessment Report:

[FR/INE/QAR19.0003/02](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- 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.

Annex:

[IECEX_OBAC_21.0007_000 Annex.pdf](#)



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Attachment to IECEx OBAC 21.0007X Issue 0

Technical data

Nominal voltage	Un: 220-240V, 50-60Hz
Nominal current	In: 0.22-0.65A
Ambient temperature range	-25°C ≤ Ta ≤ +45°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)

Routine examinations and tests

- 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).