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**

Certificate history:
Issue 0 (2021-12-23)

Status: **Current**

Issue No: 1

Date of Issue: 2026-06-24

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

Equipment: **luminaire Hipex**

Optional accessory:

Type of Protection: **increased safety "e"; dust ignition protection by enclosure "t"**

Marking: Ex ec IIC T4…T6 Gc ; Ex tb IIIC T85°C Db

Approved for issue on behalf of the IECEx Certification Body: **Piotr Tarnawski**

Position: **Head of Certification Body ExCB**

Signature:
(for printed version)

Date:
(for printed version)

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.
Labedzka 21
44-121 Gliwice
Poland

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Certificate No.: **IECEx OBAC 21.0007X**

Date of issue: 2026-06-24 Issue No: 1

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

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 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 Reports:

PL/OBAC/ExTR21.0006/00 PL/OBAC/ExTR21.0006/01

Quality Assessment Reports:

FR/INE/QAR19.0003/02 FR/INE/QAR19.0003/06

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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 (Ex e, Ex t), 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.

- WARNING – do not open when energized.

- WARNING – do not open when an explosive atmosphere is present.

- WARNING – potential electrostatic charging hazard – see instructions.

- The ambient temperature range depends on the temperature class and optional battery equipment - see rating data.

- The batteries are not replaceable by the end-user. Replacement of the complete gear tray shall only be performed by authorized personnel.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- change of protection type from "nR" to "ec"
- change the protection level from "tc" to "tb"
- added ambient temperature ranges and temperature classes
- new components and new versions of the luminaire

Annex:

IECEx_OBAC_21.0007_001 Annex.pdf

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

Attachment to IECEx OBAC 21.0007X Issue 1

Technical data

Nominal voltage Un	220-240V, 50-60Hz
Nominal current In	0.22-0.65A
Degree of protection	IP69

Ambient temperature range	Temperature class / Max. surface temp.	Battery version
-25°C ≤ Ta ≤ +55°C	T4 / T85°C	-
-25°C ≤ Ta ≤ +45°C	T5	-
-25°C ≤ Ta ≤ +30°C	T6	-
0°C ≤ Ta ≤ +30°C	T6 / T85°C	+

Ref. number	Power [W]	Length [mm]	Diameter [mm]
HI*114#	13	685	100
HI*124#	17	685	100
HI*214#	24	1.300	100
HI*224#	40	1.300	100
HI*314#	29	1.600	100
HI*324#	65	1.600	100
HI*115#	13	685	100
HI*125#	17	685	100
HI*215#	24	1.300	100
HI*225#	40	1.300	100
HI*315#	29	1.600	100
HI*325#	65	1.600	100
HI*116#	13	685	100
HI*126#	17	685	100
HI*216#	24	1.300	100
HI*226#	40	1.300	100
HI*316#	29	1.600	100
HI*326#	65	1.600	100

Marking:
Luminaire **HIPEX** HI*…#
where "*" and "#" denote additional markings that are not relevant to explosion safety (see table above)

Routine examinations and tests

- Every luminaire shall be subjected to dielectric strength tests, according to 7.1 of EN 60079-7.