



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 20.0008X

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Certificate history:

Status: Current

Issue No: 1

[Issue 0 \(2020-10-12\)](#)

Date of Issue: 2025-12-19

Applicant: AIRFAL INTERNATIONAL
Calle Río Ésera 5
50830 Villanueva de Gállego
Zaragoza
Spain

Equipment: LED MAX Projector luminaire

Optional accessory:

Type of Protection: increased safety; dust ignition protection by enclosure

Marking: Ex ec IIC T4 Gc (all versions)
Ex ec IIC T5 Gc (versions up to 98W)
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: 2025-12-19
(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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Manufacturer: **AIRFAL INTERNATIONAL**
Calle Río Ésera 5
50830 Villanueva de Gállego
Zaragoza
Spain

Manufacturing locations: **AIRFAL INTERNATIONAL**
Calle Río Ésera 5
50830 Villanueva de Gállego
Zaragoza
Spain

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 60079-31:2022 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

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 Report:

PL/OBAC/ExTR20.0008/01

Quality Assessment Report:

FR/INE/QAR19.0003/06



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The main body of luminaire is constructed by an aluminium alloy case. Inside the case all electrical components, such as LED light source and driver are installed. Cover with glass window is mounted on the front side. At rear side is a cap with terminal block mounted on its internal side. The case has two cable entries in the form of two M25 holes, not threaded. In these holes an M25 metallic cable glands and/or plugs are to be installed.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- the luminaire should be fitted with certified cable glands with appropriate thread, Ex marking (ec, tb), 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.
- front cover of the luminaire shall not be opened - re-lamping not to be done by user.



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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"
- New components and new versions of the luminaire

Annex:

























[ex.IECEx_OBAC_20.0008X_1 Annex.pdf](#)

1. Marking
LED MAX PROJECTOR

2. Technical data

Nominal voltage	Un: 220-240V, 50-60Hz 50Hz
Nominal current	In: 0.22-0.95A
Ambient temperature	-20°C ≤ T _a ≤ +45°C
Degree of protection	IP66

REFERENCES, POWERS AND AVAILABLE COLOR TEMPERATURES.

Ref.	Equiv. (HM)	(W)	(lm)	(°K)	Optic
PA104A	70W	50	8.081	4.000	
PA104B	70W	50	8.081	4.000	
PA104C	70W	50	8.081	4.000	
PA204A	150W	98	16.163	4.000	
PA204B	150W	98	16.163	4.000	
PA204C	150W	98	16.163	4.000	
PA304A	250W	148	24.224	4.000	
PA304B	250W	148	24.224	4.000	
PA304C	250W	148	24.224	4.000	
PA404A	400W	190	32.325	4.000	
PA404B	400W	190	32.325	4.000	
PA404C	400W	190	32.325	4.000	
PA105A	70W	50	8.164	5.000	
PA105B	70W	50	8.164	5.000	
PA105C	70W	50	8.164	5.000	
PA205A	150W	98	16.368	5.000	
PA205B	150W	98	16.368	5.000	
PA205C	150W	98	16.368	5.000	
PA305A	250W	148	24.552	5.000	
PA305B	250W	148	24.552	5.000	
PA305C	250W	148	24.552	5.000	
PA405A	400W	190	32.726	5.000	
PA405B	400W	190	32.726	5.000	
PA405C	400W	190	32.726	5.000	

3. Routine examinations and tests

- dielectric strength test (acc. to IEC 60079-7, 7.1).