



# 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](http://www.iecex.com)

Certificate No.: **IECEX OBAC 20.0008X** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2020-10-12  
Applicant: **AIRFAL INTERNATIONAL**  
Calle Río Ésera 5  
50830 Villanueva de Gállego  
Zaragoza  
Spain  
Equipment: **LED MAX Projector luminaire**  
Optional accessory:  
Type of Protection: **restricted-breathing enclosure; dust ignition protection by enclosure**  
Marking: **Ex nR IIC T5 Gc ; Ex tc IIIC T100°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](http://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**  
Calle Río Ésera 5  
50830 Villanueva de Gállego  
Zaragoza  
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/ExTR20.0008/00](#)

Quality Assessment Report:

[FR/INE/QAR19.0003/00](#)



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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 (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.
- front cover of the luminaire shall not be opened - re-lamping not to be done by user.
- the luminaire does not have a test port - refer to the manual for instructions of gasket replacement (regarding "nR" type of protection).

## Annex:

[ex.IECEX\\_OBAC\\_20.0008X\\_0 Annex\\_1.pdf](#)



Technical data

Nominal voltage	Un: 220-240V, 50-60Hz
Nominal current	In: 0.22-0.95A
Ambient temperature range	-20°C ≤ T <sub>a</sub> ≤ +45°C
Degree of protection	IP66/IP68

POTENCIAS DISPONIBLES / AVAILABLE POWERS				
REFERENCIA	POTENCIA(W)	EMISIÓN LUMINARIA (lm)	Tª COLOR /COLOR TEMP	TAMAÑO / SIZE (mm)
PA104	48	6700	4000	570x496x98
PA204	97	13400	4000	570x496x98
PA304	146	20100	4000	570x496x98
PA404	194	26800	4000	570x496x98

Routine examinations and tests

- dielectric strength test (acc. to IEC 60079-15, 12.1).
- routine test for restricted-breathing enclosures without test port (acc. to IEC 60079-15, 12.2).