



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 23.0002X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-02-23

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

Equipment: **Luminaire WATEX**

Optional accessory:

Type of Protection: **Ex ec - Increased safety; Ex tb - dust protection by enclosure**

Marking: Ex ec IIC T5 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.
Labeledzka 21
44-121 Gliwice
Poland





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Page 2 of 3

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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 60079-7:2015](#) Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

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/ExTR21.0010/00](#)

Quality Assessment Report:

[FR/INE/QAR19.0003/03](#)



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Certificate No.: **IECEX OBAC 23.0002X**

Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The enclosure is built with a polycarbonate parts, the body and the diffuser. Inside the case all electrical components, such as terminals, LED modules, LED driver and optionally emergency kit with battery are installed. The case has one or two entries in the form of plain holes. In these holes an Ex M21 cable glands or quick connectors and/or plugs are to be installed.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- the luminaire should be fitted with certified cable glands or quick connectors with appropriate size, Ex marking (ec, tb), operating temperature range and required IP. Unused openings must be closed with Ex blanking elements.
- in case of use of metal cable gland earth tag mounted on the cable gland shall be used for equipotential bonding conductor connection - see manual.
- WARNING – do not open when an explosive atmosphere is present
- WARNING – after de-energizing, delay 30 minutes before opening
- WARNING – potential electrostatic charging hazard – see instructions
- in case of use of quick connectors: WARNING – do not separate when energized
- ambient temperature range: $-20^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$

Annex:

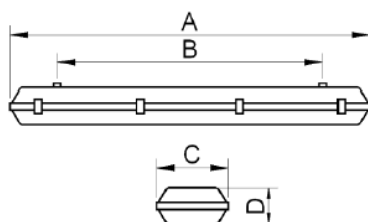
[ex.IECEX_OBAC_23.0002X_0 Annex.pdf](#)



Technical data

Nominal voltage Un: 220-240V, 50-60Hz
 Nominal power Pn: 13-80W
 Ambient temperature range $-20^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$
 Degree of protection IP66

Marking: **Luminaire WATEX** (followed by reference symbol – see below)



WATEX (160 mm)						
REFERENCIA	POTENCIA(W)	EMISIÓN LUMINARIA (lm)	A (mm)	B (mm)	C (mm)	D (mm)
EY113	24	2980	664	260	160	110
EY114	24	3200	664	260	160	110
EY123	32	5120	664	260	160	110
EY124	32	5340	664	260	160	110
EY213	48	5960	1274	870	160	110
EY214	48	6400	1274	870	160	110
EY223	64	10240	1274	870	160	110
EY224	64	10680	1274	870	160	110
EY313	58	7440	1575	650	160	110
EY314	58	8000	1575	650	160	110
EY323	80	12620	1575	650	160	110
EY324	80	13400	1575	650	160	110

Page 2 of 2
Attachment to IECEx OBAC 23.0002 Issue 0

WATEX ECO (100 mm)						
REFERENCIA	POTENCIA(W)	EMISIÓN LUMINARIA (lm)	A (mm)	B (mm)	C (mm)	D (mm)
EW113	13	1210	664	260	100	110
EW114	13	1259	664	260	100	110
EW123	16	2079	664	260	100	110
EW124	16	2168	664	260	100	110
EW213	24	2420	1274	870	100	110
EW214	24	2598	1274	870	100	110
EW223	32	4157	1274	870	100	110
EW224	32	4336	1274	870	100	110
EW313	29	3021	1575	650	100	110
EW314	29	3248	1575	650	100	110
EW323	40	5124	1575	650	100	110
EW324	40	5440	1575	650	100	110

Routine examinations and tests

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