



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 23.0005X**

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Certificate history:

Status: **Current**

Issue No: 1

[Issue 0 \(2023-10-06\)](#)

Date of Issue: 2024-05-24

Applicant: **ZALUX S.A**
Avenida Manuel Rodriguez Ayuso, 114
Centro Empresarial Miralbueno
Planta 1a, Local P-2
ZARAGOZA 50012
Spain

Equipment: **ACQUEx Luminaire**

Optional accessory:

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

Marking: **ACQUEx, ACQUEx EB:**

Ex ec IIC T4 Gc

Ex tc IIIC T85°C Dc

ACQUEx LED-M, ACQUEx LED-M EB:

Ex ec 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:
(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: **ZALUX S.A**
Avenida Manuel Rodriguez Ayuso, 114
Centro Empresarial Miralbueno
Planta 1a, Local P-2
ZARAGOZA 50012
Spain

Manufacturing locations: **ZALUX S.A**
Avenida Manuel Rodriguez Ayuso, 114
Centro Empresarial Miralbueno
Planta 1a, Local P-2
ZARAGOZA 50012
Spain

ZALUX S.A
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Av Aragón, 54
Alhama de Aragón
Zaragoza 50230
Spain

Rand Tech Electronic Manufacturing
Bldg. 3226, Rasaqa Qurtuba Street,
2nd Industrial City, Unit No 11
Riyadh 14332 - 8209
Saudi Arabia

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/ExTR23.0009/00

PL/OBAC/ExTR23.0009/01

Quality Assessment Report:

FR/INE/QAR20.0006/04



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The ACQUEx Luminaire is made of polyester reinforced with GRP glass fibre, while the antidazzle casing is made of PC polycarbonate having lens-like regularities from its inside. The accessories fastening the luminaire are made of stainless steel or of plastic. The luminaire is provided with plastic cable entries. Light source, depending on version, are T5, T8 fluorescent lamps with electronic ballasts or LED modules with power supplies. Optionally, the luminaire may be equipped with battery pack.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The ACQUEx is designed for stationary installations.
- The equipment shall be visibly provided with an additional marking warning against the possible electrostatic discharge: WARNING – ELECTROSTATIC DISCHARGE HAZARD – SEE INSTRUCTIONS.
- WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
- Prior to installation the luminaire must be equipped with properly selected cable glands. Unused openings must be closed with blanking elements.
- Concerns EB versions: use only battery pack provided by luminaires manufacturer.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- adding two new production locations

Annex:

[IECEx_OBAC_23.0005_001 Annex.pdf](#)



Attachment to IECEx OBAC 23.0005X Issue 1

Technical data

	ACQUEx, ACQUEx EB	ACQUEx LED-M, ACQUEx LED-M EB
Supply voltage	230V AC/DC 0-50/60Hz	
Power	max. 2x58W	max. 60W
Light source	fluorescent lamps	LED modules
Battery packs	4,5Ah NiCd or LiFePO4 cells (EB versions only)	
Ambient temperature	$-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ $0^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ (EB version)	
Degree of protection	IP66	

Marking:

ACQUEx * * E * PC INOX

2 – 2 fluorescents tubes

2-1 – 1 fluorescent tube

14...80 – consumption power
in W for each tube

(no symbols) – no emergency supply

EB1h – emergency supply: 1hour

EB3h – emergency supply: 3 hours

Type designation:

Version of luminaire	Power [W]
ACQUEx 2-114 E PC INOX	1x14
ACQUEx 2-124 E PC INOX	1x24
ACQUEx 2-118 E PC INOX	1x18
ACQUEx 2-128 E PC INOX	1x28
ACQUEx 2-154 E PC INOX	1x54



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ACQUEx 2-135 E PC INOX	1x35
ACQUEx 2-149 E PC INOX	1x49
ACQUEx 2-136 E PC INOX	1x36
ACQUEx 2-158 E PC INOX	1x58
ACQUEx 2-180 E PC INOX	1x80
ACQUEx 214 E PC INOX	2x14
ACQUEx 224 E PC INOX	2x24
ACQUEx 218 E PC INOX	2x18
ACQUEx 228 E PC INOX	2x28
ACQUEx 254 E PC INOX	2x54
ACQUEx 235 E PC INOX	2x35
ACQUEx 249 E PC INOX	2x49
ACQUEx 236 E PC INOX	2x36
ACQUEx 258 E PC INOX	2x58
ACQUEx 2-118 E EB1h PC INOX	1x18
ACQUEx 2-118 E EB3h PC INOX	1x18
ACQUEx 2-128 E EB1h PC INOX	1x28
ACQUEx 2-128 E EB3h PC INOX	1x28
ACQUEx 2-135 E EB1h PC INOX	1x35
ACQUEx 2-135 E EB3h PC INOX	1x35
ACQUEx 2-136 E EB1h PC INOX	1x36
ACQUEx 2-136 E EB3h PC INOX	1x36
ACQUEx 2-149 E EB1h PC INOX	1x49
ACQUEx 2-149 E EB3h PC INOX	1x49
ACQUEx 2-154 E EB1h PC INOX	1x54
ACQUEx 2-154 E EB3h PC INOX	1x54



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ACQUEx 2-180 E EB1h PC INOX	1x80
ACQUEx 2-180 E EB3h PC INOX	1x80
ACQUEx 214 E EB1h PC INOX	2x14
ACQUEx 214 E EB3h PC INOX	2x14
ACQUEx 224 E EB1h PC INOX	2x24
ACQUEx 224 E EB3h PC INOX	2x24
ACQUEx 228 E EB1h PC INOX	2x28
ACQUEx 228 E EB3h PC INOX	2x28
ACQUEx 235 E EB1h PC INOX	2x35
ACQUEx 235 E EB3h PC INOX	2x35
ACQUEx 249 E EB1h PC INOX	2x49
ACQUEx 249 E EB3h PC INOX	2x49
ACQUEx 254 E EB1h PC INOX	2x54
ACQUEx 254 E EB3h PC INOX	2x54
ACQUEx 218 E EB1h PC INOX	2x18
ACQUEx 218 E EB3h PC INOX	2x18
ACQUEx 236 E EB1h PC INOX	2x36
ACQUEx 236 E EB3h PC INOX	2x36
ACQUEx 258 E EB1h PC INOX	2x58
ACQUEx 258 E EB3h PC INOX	2x58



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Marking:

ACQUEx LED-M * * - * * ***

0.6 – 1.2 – 1.5 – luminaire size (m) _____

20 – 40 – 60 – 80 – lumens flux (x100) _____

830...965 – CRI CTT code _____

ET -ETDD – electronic drive _____

EB3 – Electronic converter for emergency _____

Type designation:

Version of luminaire	Power [W]
ACQUEx LED-M 0.6 20-840 ET PC	16
ACQUEx LED-M 0.6 20-840 ETDD PC	16
ACQUEx LED-M 0.6 20-840 ET PC EB3	21
ACQUEx LED-M 1.2 40-840 ET PC	27
ACQUEx LED-M 1.2 40-840 ETDD PC	27
ACQUEx LED-M 1.2 40-840 ET PC EB3	32
ACQUEx LED-M 1.2 60-840 ET PC	42
ACQUEx LED-M 1.2 60-840 ETDD PC	42
ACQUEx LED-M 1.2 60-840 ET PC EB3	47
ACQUEx LED-M 1.5 60-840 ET PC	39
ACQUEx LED-M 1.5 60-840 ETDD PC	39
ACQUEx LED-M 1.5 60-840 ET PC EB3	44
ACQUEx LED-M 1.5 80-840 ET PC	55
ACQUEx LED-M 1.5 80-840 ETDD PC	55
ACQUEx LED-M 1.5 80-840 ET PC EB3	60

Routine examinations and tests

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