



AC 099

# OBAC

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

## (1) EU-TYPE EXAMINATION CERTIFICATE

(2) Equipment, products and protective systems intended for use in Potentially Explosive Atmospheres. Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014.

(3) EU type examination certificate No: **OBAC 23 ATEX 0035X, Issue 0**

(4) Equipment: **Explosion-proof LED luminaire  
ACQUEx TA Ex**

(5) Manufacturer: **Zalux S.A.**

(6) Address: Avenida Manuel Rodriguez Ayuso, 114  
Centro Empresarial Miralbueno  
Planta 1a, Local P-2  
ZARAGOZA 50012, Spain

(7) This equipment, product or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Institute for Research and Certification „OBAC” Ltd., notified body No.1461 in accordance with Article 17 and Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment, product or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results and the list of agreed technical documentation are recorded in the confidential Report no. OBAC/23/ATEX/0035.



(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018      EN 60079-7:2015+A1:2018      EN 60079-11:2012**  
**EN 60079-18:2015+A1:2017      EN 60079-31:2014**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment, product or protective system is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified equipment, product or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment, product or protective system. These are not covered by this certificate.

(12) The marking of the equipment, product or protective system shall include the following:

 **II 2G Ex eb ib mb IIC T6/T5 Gb**  
 **II 2D Ex tb IIIC T85°C Db**

**Head of Certification Body**

**Piotr Tarnawski M.Com.**

Gliwice, 16 January 2023.



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(13)

### SCHEDULE

(14)

to the EU-Type Examination Certificate  
No. OBAC 23 ATEX 0035X, Issue 0

(15) Ex Product description:

The housing of the luminaire consists of a reinforced structure body made of polyester, anti-glare diffuser made of poly-carbonate plastic, diffuser fixing elements, plastic cable glands and terminals. Depending on version, the luminaire is equipped with LED modules and LED driver mounted on a steel or aluminium reflector and breath drain.

Marking:

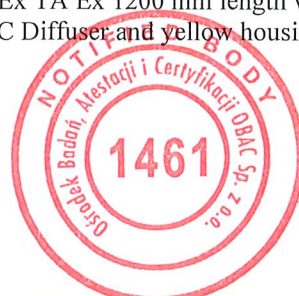
ACQUE<sup>x</sup> TA Ex **xx** **xx** - **xxx** **xx** **xx** **xx**

Size length	0,6 (600 mm) - 1,2 (1200 mm) - 1,5 (1500 mm)
Luminous flux	28 (2800 lm - 23W) – 60 (6000 lm - 45W) – 78 (7800 lm - 56W)
CRI-CTT	840 (CRI80 - 4000 K) - 850 (CRI80 - 5000 K) other on request
Optic	_ (standard) - BW (BW lens) - P (P lens)
Driver	_ (non dimmable) - II (second class protection)
Diffuser	PC (polycarbonate)

Accessories		
Lighting system	Mounting accessories	Others
<b>WG</b> – steel mesh;	_ - standard mounting;	<b>JB</b> – junction box;
<b>AL</b> – version with aluminum gear tray;	<b>ST</b> – pipe mount;	<b>CR</b> - power cord with connector;
<b>..</b> – other on request;	<b>..</b> – other on request;	<b>M25</b> – M25 cable gland;
		<b>..</b> – other on request;

Example of type designations:

ACQUE<sup>x</sup> TA Ex 1.2 60-840 PC - ACQUE<sup>x</sup> TA Ex 1200 mm length with 6000 lm, CRI 80, 4000K Led matrix, made with PC Diffuser and yellow housing





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#### Rated data:

Nominal voltage	198-277 VAC, 200-250 VDC – as standard 100-277 VAC, 100-250 VDC – as option
Nominal power	23W; 45W; 56W * * depending on version. Versions with reduced power are also available on request.
Degree of protection	IP66/67

Execution type	Ambient temperature range / temperature class and max. surface temperature	
	-20°C ≤ Ta ≤ +40°C	-20°C ≤ Ta ≤ +50°C
standard version	T6 / T85°C	T5 / T85°C
../AL version *	-	T6 / T85°C

\* version with aluminum gear tray.

(16) Report:

– OBAC/23/ATEX/0035.

(17) Specific conditions of use:

- WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.
- WARNING – AFTER DE-ENERGIZING, DELAY 30 MINUTES BEFORE OPENING
- prior to installation the luminaire must be equipped with properly selected cable glands. Unused openings must be closed with blanking elements.
- The ambient temperature range depends on the temperature class / max. surface temperature – see rated data.

Notes for manufacture, installation and operation:

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

(18) Essential health and safety requirements:

Met by compliance with the requirements mentioned in item 9.

