



AC 099

Osrodek Badań, Atestacji i Certyfikacji Sp. z o.o.

44-121 Gliwice, ul. Łabędzka 21

(1) EU-TYPE EXAMINATION CERTIFICATE

(2) Equipment, components 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 20 ATEX 0334X**

(4) Product: **STRONGEX2 Luminaire**

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

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

(7) This equipment, component or protective system and any of its approved version is specified in this certificate and in documents listed in p. 19.

(8) The Institute for Research and Certification „OBAC” Ltd., notified body No.1461 in accordance with Article 17 of the European Council Directive 2014/34/EU of February 26, 2014, certifies that this equipment, component or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment, component or protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in the confidential report No. OBAC/20/OBAC/0334.

(9) Compliance with the Safety Requirements has been assured by conformity with:

EN IEC 60079-0:2018




EN IEC 60079-7:2015+A1:2018

EN 60079-31:2014

(10) If the sign „X” is placed after the certificate number, it indicates that the product concerned is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-type examination certificate relates only to the design, evaluation and tests of the specified equipment, component or protective system according to the Directive 2014/34/EU. The certificate does not apply to further requirements of the Directive relating to the manufacture and placing on the market of this equipment, component or protective system.

(12) The marking of the equipment, component or protective system must include the following:

 II 2D Ex tb IIC Tx Db
 II 3D Ex tc IIC Tx Dc
 II 3G Ex ec IIC Tx Gc



**Certification Body
Manager**

Piotr Tarnawski M. Com.

Gliwice, 14th August 2020.



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(13)

SCHEDULE

(14)

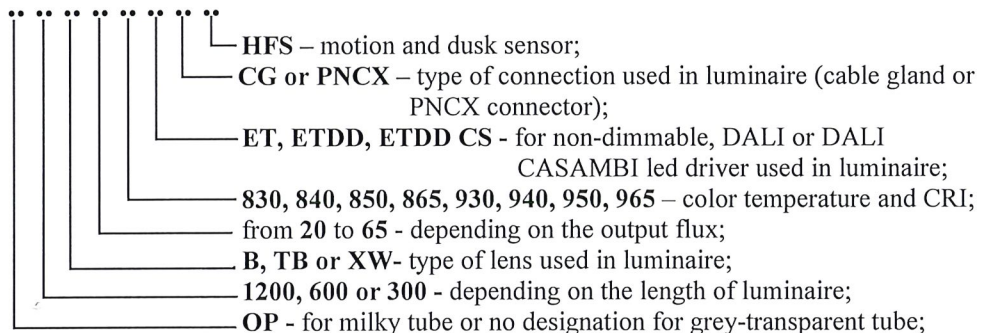
to the EU-Type Examination Certificate
No. OBAC 20 ATEX 0334X

(15) Ex Product description:

The STRONGEX2 luminaire is a compact light source with LED diodes. The luminaire consists of a body in the shape of a plastic tube, closed at both ends with plastic caps fitted with cable entries with a power cord. It is possible to make a luminaire with a power supply connected pass-through, one-side pass-through or without pass-through. Inside, there are LED modules with a power supply, terminals for connecting external cables, a reflector, and optionally other components, depending on the version.

Marking:

STRONGEX2



Rated data:

Version of luminaire	Power [W]	Ambient temperature	Max. surface temp. / temperature class
version with ETDD CS	Max 32	-35°C to +55°C	T85°C / T6
	Max 42	-35°C to +32°C	T100°C / T5
version without ETDD CS	Max 42	-35°C to +55°C	T85°C / T6

(16) **STRONGEX2 luminaire** meets the requirements for devices with explosion proof design and may be used as a device of group II, category 2D, 3D and 3G.





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(17) Special conditions for safe operation:

- During the installation, the user should take into consideration that luminaire with grey-transparent tube (without OP designation) was submitted to impact test according to EN 60079-0, 26.4.2, corresponding to the low risk of mechanical danger only.
- WARNING – potential electrostatic charging hazard – see instructions.
- Ambient temperature range: see – rated data.

(18) The compliance with Safety Requirements has been assured by compliance with standards shown in p.9 of this certificate.

(19) List of agreed documentation:

- Instruction manual Explosion-proof LED luminaire Type STRONGEX2 NO. 52-1420/Z. 07.2020.

