



SZUTEST Uygunluk Değerlendirme A.Ş., İstanbul, Türkiye
Onaylanmış Kuruluş 2195



(1) EU-TYPE EXAMINATION CERTIFICATE (Annex III – Module B)

(2) Equipment or protective system intended for use in potentially explosive atmospheres — Directive 2014/34/EU

(3) EU-Type Examination Certificate Number: **2195 25 ATEX 023 U**

(4) Equipment or Protective System : **Explosion Proof Electronic Ballast**
Model No: **EB118 / EB218 / EB136 / EB236**

(5) Manufacturer/Applicant: **Tavan Omran Sanat Samaneh Company (Ltd.)**

(6) Manufacturer/Applicant Address: **No. 154, Zone E2, Special Economic Area, Before Fasa Bridge Police Station, Shiraz, Iran.**

(7) This equipment or protective system and/or any acceptable variation there to is specified in the schedule to this certificate and the documents there in referred to.

(8) Szutest Uygunluk Değerlendirme A.Ş. Notified Body number 2195 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment or protective system intended for use in potentially explosive atmospheres given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number.
Rapor No/Report No: SZUTEST-25176UR03-Rev00
Tarih/Date: 25.06.2024

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

EN IEC 60079-0:2018, EN 60079-1:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions of safe use specified in the schedule to this certificate.

(11) The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

(12) Marking of the equipment or protective system must include the following;



II 2G Ex db IIC Gb



Yayın Tarihi: 14.07.2025
Issue Date

Revizyon Tarihi/No: 00
Revision Date

Rukiye BALKAN
Genel Müdür Yardımcısı
Deputy General Manager



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(13) ANNEX

(14) EU-Type Examination Certificate Number: **2195 25 ATEX 023 U**

(15) **Description of Equipment and/or Protective System:** The electronic ballast types EB series are made of aluminum alloy or stainless steel with two ends sealed with epoxy resin for wire entry have a type of protection flameproof "Ex d".

The electronic ballast type and sizes are shown in below table:

#	Models	Dimensions
1	EB118 (1 x 18 W)	(L:350±50 mm, Ø50±10 mm) & (40 mm x 80 mm x 257±50 mm)
2	EB218 (2 x 18 W)	(L:350±50 mm, Ø50±10 mm) & (40 mm x 80 mm x 257±50 mm)
3	EB136 (1 x 36 W)	(L:350±50 mm, Ø50±10 mm) & (40 mm x 80 mm x 257±50 mm)
4	EB236 (2 x 36 W)	(L:350±50 mm, Ø50±10 mm) & (40 mm x 80 mm x 257±50 mm)

(15.1) Models, Serial No: **EB118 / EB218 / EB136 / EB236**

(15.2) Part list description: Refer to Technical Compliance File

(15.3) Ratings: The component is an electrical device.

Rated voltage: 220-240 Vac

Rated current: Max. 330 mA

Rated power: Max. 72 W

Rated frequency: 50/60 Hz

(15.4) Ambient temperature and temperature class:

Ambient temperature is $-20^{\circ}\text{C} \leq T_{amb} \leq +50^{\circ}\text{C}$

The temperature class of component is not applicable.

(15.5) Degree of protection (IP code):

This component will be installed inside of Ex luminaire, So the IP code relates to Ex luminaire IP enclosure.

(15.6) Warnings: Not used.

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(16) Reference Report Number:

(16.1) The manufacturer as the holder of this EU type examination certificate, is required to comply with the production control requirements in accordance with the directive 2014/34/EU for marketing its product.

(16.2) **Routine Test:** Not applicable

(16.3) **Installation conditions:**

The equipment is foreseen to be installed in locations where there are environmental conditions, as clearly specified in clause 1 of EN 60079-0. Installation and use in atmospheric and environmental conditions that are out of the above-mentioned intervals request special considerations and additional measures by the side of the installer or user:

These should be specified to the manufacturer by the user;

It is not a requirement of the applicable standards listed in (9) that the certification body confirms suitability for the adverse conditions. Installation of equipment shall be done according to EN 60079-14 Standard requirements.

(17) **Schedule of Limitations:**

- These components are suitable for Tamb -20°C to +50°C.
- The service temperature of product is limited to -30°C to +130°C according to used epoxy resin service temperature by manufacturer.
- This Electronic Ballast shall be installed only inside of Ex luminaires enclosures with Ex db or Ex eb protection technique.
- Protection from UV light shall be considered for this component after installation inside of luminaire.

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(18) Essential Health and Safety Requirements:

Covered by standards listed at 9.

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in (9).

This Certificate does not cover hazards coming from environmental conditions different from those clearly and precisely indicated and covered EN 60079-0:2018.

(19) Documentation List:

No	File Name	Received Date	Rev.
01	Company Profile	08.06.2025	00
02	Description of product	08.06.2025	00
03	Product Design	08.06.2025	00
04	Risk Analysis	08.06.2025	00
05	User Guideline	08.06.2025	00
06	Result of Design	08.06.2025	00
07	Test Report & Test Record	08.06.2025	00

(20) Variation: 1st issue

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