

(1) **Type Examination Certificate**(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres****Directive 2014/34/EU**(3) Type Examination Certificate Number: **IEP 26 ATEX 1838X**(4) Equipment: **Efecan LED Tube Lighting Fixtures**(5) Firm Name: **Efecan Servis Ekipmanları Boya Kabinleri San. ve Tic. Ltd. Şti.**(6) Firm Address: **Kemalpaşa OSB Mah. İzmir Cad. No:89 İç Kapı No:1 Kemalpaşa, İZMİR / TÜRKİYE**

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

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of category 3 equipment, which is intended for use in potentially explosive atmospheres, given in Annex II to the Council Directive 2014/34/EU. The examination and test results are recorded in confidential Report Nr: IEP.Rp.Ex.10-3642 date 04.02.2026.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with ;

**EN IEC 60079-0:2018, EN 60079-7:2015, EN 60079-31:2014**

(10) If the sign “ X “ is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

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

**II 3G Ex ec IIC T6 Gc  
II 3D Ex tc IIIC T85°C Dc****Responsible Person :**  
Nurettin Terzioglu  
Head of Certification Body**Date of Issue : 06.02.2026**



# IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule / Certificate Nr: **IEP 26 ATEX 1838X**

(14) Description of Equipment: Efecan LED Tube Lighting Fixtures can be used in zone 2 and zone 22 electric devices and can be used in IIC gas group and IIIC dust group. There are explanations in the manual. Installation must conform to the appropriate manual. The lighting degree of protection is IP 65. The lighting fixtures is equipped with 4 x 16 W Philips Ecofit LED Tubes. Outside ground cable must be attached min 4 mm<sup>2</sup>. The Lighting fixtures is intended for use in hazardous areas classified according to EN 60079-10-1 and 60079-10-2 standards.

## Technical Specifications:

Type	Efecan LED Tube Lighting Fixtures
Power	16W x 4
Voltage	220-240 VAC
Current	140 mA
Frequency	50-60 Hz
Ambient Temperature	(-20 ~ + 45)°C
IP Protection Class	IP 65

(IEP 26 ATEX 1838X) X means: Efecan LED Tube Lighting Fixtures installation and maintenance must be carried out by an authorized person in accordance with relevant standards and the user manual.

The equipment was submitted to a drop test from a height of 0.2 m, corresponding to a low risk of mechanical danger in accordance with EN IEC 60079-0. Therefore, the equipment shall be installed in a location where it is protected against mechanical impact or where the risk of mechanical impact is low. Electrical connections of the equipment must be made in a non-hazardous area by authorized persons.

(16) Essential Health and Safety Requirements: Are included in standards, which are mentioned in clause (9) of this certificate. The products were approved in accordance with above mentioned standards and manufacturer's instruction. At the installation and the operation of the Efecan LED Tube Lighting Fixtures have to be observed manufacturer's manual 1 page, dated 15.12.2025.

## (17) Drawings:

Drawing Nr ;	Drawing Name ;	Date ;
TR-EFC-00	Lighting Enclosure	08.12.2025
TR-EFC-01	Housing Sheet Metal	08.12.2025
TR-EFC-02	Internal Sheet	08.12.2025
TR-EFC-03	Glass Frame	08.12.2025
TR-EFC-04	Lamp Holder	08.12.2025
TR-EFC-05	Internal Mounting Bracket	08.12.2025

The parts that are used in Efecan LED Tube Lighting Fixtures are determined in confirmed the equipment list 1 page, dated 15.12.2025.

**Responsible Person:**  
Nurettin Terzioglu  
Head of Certification Body



**Date of Issue : 06.02.2026**