IEP ENERGY PETROLEUM INSTITUTE

IEP ATEX

(1) # EU-Type Examination Certificate

(2) Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres

Directive 2014/34/EU

(3) EU – Type Examination Certificate Number: **IEP 25 ATEX 1564X**

(4) Product: **EFPH X1-X2 Type Luminaire**

(5) Firm Name: **DÜNYAEKS ELEKTRİK MAKİNA MÜH. SAN. ve TİC. LTD. ŞTİ.**

(6) Firm Address: **Sanayi Mah. Kuru Sk. Bireks Elk. Mal. No: 52 İzmit / Kocaeli – TÜRKİYE**

(7) This product 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., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product 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 are recorded in confidential Report Nr: IEP. Ex.RP 10-3139 date 11.02.2025

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

EN IEC 60079-0 : 2018 , EN 60079-1 : 2014 , 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 EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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

Ex

II 2G Ex db IIB Tx Gb
II 2D Ex tb IIIC T(x °C) Db , IP 66

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

ENERGY PETROLEUM INSTITUTE · IEP ATEX · NB 2284 · INSPECTION AND CERTIFICATION

Date of Issue: 12.02.2025

IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.
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(13) Schedule

(14) Certificate Nr: **IEP 25 ATEX 1564X**

(15) Equipment Description: EFPH X1-X2 type luminaire are designed to be used with flammables and explosives. The luminaire is made of aluminum casting. The reference pressure obtained in the EFPH X1-X2 type luminaire is 6 Bar. EFPH X1-X2 type luminaire was subjected to hydrostatic test at 9 Bar, which is 1.5 times the reference pressure. Cable glands must comply with the protection type and be certified. Cable gland diameters are PG9,PG11,PG13,5,PG16 ,PG21,M20,M25,M30,M35,¾" G,½ " G,¼ " G,¾ " NPT,½ " NPT.,¼ " NPT. EFPH X1-X2 type luminaire are used in the Zone 1, Zone 21 danger areas recorded in EN 60079-10-1 and EN 60079-10-2 standards.

Product Coding System:

		X1: Power	**X2: Mounting Type**
TYPE	EFPH X1-X2	**1:**25W -50 W	**1:** Ceiling Type
		2:51W-120 W	**2:** Electric Pole Type
		3:121 W-250 W	**3:** Wall Mounted

Technical Parameters:

Voltage	220 / 230 VAC
Degree of Protection (Housing)	IP66
Ambient Temperature	-20°C to +55°C
Frequency	50 Hz

Tx / Tx °C Temperature Classification:

Tx Gas		
1	**2**	**3**
25 -50 W	51 - 120 W	121 - 250 W
T6	T5	T4
Tx Dust		
25 -50 W	51 - 120 W	121 - 250 W
T90 °C	T100 °C	T135 °C

(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 EFPH X1-X2 type luminaire has to be observed manufacturer's manual 7 page dated 10.12.2024.

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

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(17) Certificate Nr: **IEP 25 ATEX 1564X**

(18) Drawings :

Drawing name	Drawing Nr	Date
Technical Data Drawing	19DP06-01	12/06/2019
Body Drawing	19DP06-02	12/06/2019
Front Cover Drawing	19DP06-03	12/06/2019
Tempered Glass Drawing	19DP06-04	12/06/2019
Tailgate Drawing	19DP06-05	12/06/2019
Metal Sheet Foot Holder Drawing	19DP06-06	12/06/2019
Product Cover Oring Drawing	19DP06-07	12/06/2019
Grounding Label Drawing	19DP06-08	12/06/2019
Electrical Connection Drawing	19DP06-09	12/06/2019
Mounting Connection Systems Drawing	EFPH(00-07)	20.09.2020

For the validity of analysis type certificate, the parts that are used in EFPH X1-X2 type luminaire explosion proof is determined in confirmed in the component and part list table 1-2-3 date 11.12.2024

Responsible Person:
Nurettin Terzioglu
Head of Certification Body

ENERGY PETROLEUM INSTITUTE IEP ATEX NB 2284 INSPECTION AND CERTIFICATION

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