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 26 ATEX 1873X**

(4) Product: **PLA-EX-D X1 X2 Type Led Luminaire**

(5) Firm Name: **Proton Aydinlatma Elektrik Elektronik İç ve Dış Tic. İth. İhr. San. Ltd. Şti.**

(6) Firm Address: **46257 Sk. Adana Oto Sanayi Sitesi A Blok No:7/1 İç Kapı No:Z07**

Seyhan - ADANA / 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.Rp.Ex.10-3694 date 09.03.2026.

(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 IIA T4 Gb
II 2D Ex tb IIIC T(135 °C) Db , IP 66

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

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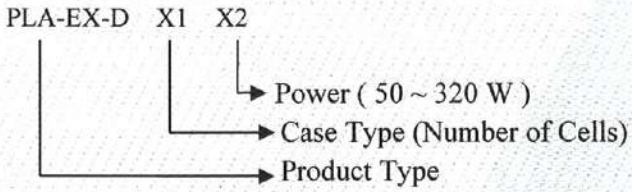
Date of Issue: 11.03.2026

IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.
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(13) Schedule / Certificate Nr: **IEP 26 ATEX 1873X**

(14) Description of Equipment: PLA-EX-D X1X2 type LED luminaire is designed for use in Group II explosive atmospheres. Electrical connections are made through an external junction box suitable for the external ZONE area. The PLA-EX-D X1X2 type LED luminaire is designed in single, double, and triple groups within the same body.The PLA-EX-D X1X2 type LED luminaire has been evaluated within the scope of IP 66. This luminaire can be used in hazardous areas defined as Zone 1 and Zone 21 according to EN 60079-10-1 and EN 60079-10-2 standards.

Product Coding System:



Technical Parameters:

	X1: 1 Cell	X1: 2 Cell	X1: 3 Cell
Power (X2) (W)	35-75 W	70-150 W	100-225 W
Voltage (V)	90 - 305 VAC		
Frequency (Hz)	50 ~ 60 Hz		
Ambient Temperature	-20°C to +50°C		
IP Protection Class	IP 66		

(IEP 26 ATEX 1873X) X means: Installation must be done by authorized personnel according to the manual and EN 60079-14 standard. Periodic inspections and maintenance should be carried out by authorized establishment or personnel according to the EN 60079-17 standard.

(15) 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 PLA-EX-D X1 X2 type LED luminaire has to be observed manufacturer's manual 7 page dated 15.02.2026 Each and every casted enclosure shall be tested for a minimum of 10 seconds at a pressure of 10 bars and there shall not be any permanent deformations or leakages that could cause pressure loss during testing. Luminaire flame paths are specified in the manufacturer's drawings. For information regarding the dimensions of the flameproof joints, the manufacturer should be contacted.

(16) Drawings :

Drawing Nr;	**Drawing Name;**	**Date;**
PLA-EX-D X1X2-01	Section technical drawing	03.12.2025
PLA-EX-D X1X2-02	Technical drawing	03.12.2025
PLA-EX-D X1X2-03	Technical drawing	03.12.2025
PLA-EX-D X1X2-04	Technical drawing	03.12.2025
PLA-EX-D X1X2-05	Technical drawing	03.12.2025

For the validity of analysis type certificate, the parts that are used in PLA-EX-D X1X2 type LED luminaire explosion proof light is determined in confirmed in the component and part list table 1-2-3 date 15.02.2026.

Responsible Person:
Nurettin Terzioglu
Head of Certification Body

Date of Issue: 11.03.2026

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