

(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 1565X**

(4) Product: **RBV-LED-XXX Type Luminaire**

(5) Firm Name: **ETE ENERJİ TESİSLERİ END. SAN. TİC. A.Ş.**

(6) Firm Address: **Başkent OSB Recep Tayyip Erdoğan Bulvarı No: 17 Malıköy,
Temelli / ANKARA – 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.10-3344 date 30.07.2025

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

EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-7:2015, 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 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:



II 2G Ex db eb IIC T4, T5, T6 Gb
II 2D Ex tb IIC T120°C, T100°C, T85°C Db, IP 66

Responsible Person:

Nurettin Terzioglu
Head of Certification Body



Date of Issue: 08.08.2025





IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule

(14) Certificate Nr: **IEP 25 ATEX 1565X**

(15) Equipment Description:

Led lighting fixtures can be used in gas and dust explosive areas and can be used in IIC gas group and IIIC dust group. The luminaire is made of aluminum casting. Led lighting fixtures have 3 different power options: 90, 120, 160 Watt. The LED driver is housed in a d-type enclosure. Only the cable connection is made in the e-type enclosure. Led driver protection IP 66. The luminaire can be used at Zone 1 and Zone 21, defined at the EN 60079-10-1 and EN 60079-10-2 standards. Led lighting fixtures have been evaluated in the contents of IP 66 according to the EN 60529 standard.

Technical Parameters:

Power	90W, 120W, 160W
Voltage	220 / 230 VAC
Degree of Protection (Housing)	IP 66
Frequency	50 / 60 Hz
Ambient Temperature	It is stated in below table.

Temperature Classification:

Models	90 W	120 W	160 W
Tx Gas	T6	T5	T4
Tx Dust	T85 °C	T100 °C	T120 °C
Ta Ambient Temperature	-20°C to +40°C	-20°C to +40°C	-20°C to +55°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 the above-mentioned standards and manufacturer's instruction. At the installation and the operation of the RBY-LED luminaire has to be observed manufacturer's manual 4 pages dated 05.2025.

(17) Special Conditions for Safe Use:

17.1 The cross section of cable used for main earth connection must be at least 6 mm².

17.2 X Means (**IEP 25 ATEX 1565X**): Installation and periodic maintenance should be done by an authorized person or company according to the user manual and the EN 60079-17 standard.

17.3 Cable entries and unused holes in electrical equipment will be Ex db or Ex eb ATEX certified.

17.4 The temperature class varies with the different lamp powers used in it. For surface and ambient temperature classes, section 15 of this certificate must be observed.

(18) Drawings :

Drawing name	Drawing Nr	Date	Revision
Front cover	RBY-LED-001	26.05.2025	00
Rear cover	RBY-LED-002	26.05.2025	00
Terminal box	RBY-LED-003	26.05.2025	00
Body	RBY-LED-004	26.05.2025	00
Mounting	RBY-LED-005	26.05.2025	00

For the validity of analysis type certificate, the parts that are used in RBY-LED type luminaire are determined in confirmed in the component and part list table 1 date 26.05.2025

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

Date of Issue: 08.08.2025



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