



(1) **EU-Type Examination Certificate**

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**
- (3) Certificate number: **SEV 21 ATEX 0578 X**
- (4) Product: LED luminaries CES-EX-LN-02P series
- (5) Manufacturer: Shenzhen CESP Co., Ltd.
- (6) Address: 6th Fl Wangcheng Bldg, Longhua St, Longhua District, 518109 Shenzhen, Guangdong, China
- (7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Eurofins, notified body No. 1258, in accordance with article 17 of Directive 2014/34/EU of the 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 no 21CH-01182.X01
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018
EN IEC 60079-7:2015/A1:2018
EN 60079-18:2015+A1:2017
EN 60079-31:2014

Except in respect of those requirements listed at item 18 of the schedule.

- (10) If the sign «X» is placed after the certificate number, it indicates that the product is subjected to special conditions for safe use specified in the schedule to this certificate. 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.
- (11) This EU type examination certificate relates only to design and construction of the specified product. Further requirements of this directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- (12) The marking of the product shall include the following:



II 2G Ex eb mb IIC T5 Gb
II 2D Ex tb IIIC T75 °C Db

Eurofins Electric & Electronic Product Testing AG
Notified Body ATEX

Martin Plüss
Product Certification



(13)

Appendix

(14)

EU-Type Examination Certificate no. SEV 21 ATEX 0578 X

(15) **Description of product**

The CES-EX-LN-02P series LED luminaires are composed of main part and two side covers. One thread entry is located on one side cover and it shall be equipped with Ex eb cable glands meeting at least IP66. The LED luminaires have "eb" chamber equipped with "mb" lighting chamber and "mb" LED power driver. The LED PWB encapsulated with sealing compound is installed in lighting chamber while the encapsulated power driver and terminal block are incorporated in power driver chamber. PC transparent hood is fixed on the top of the main part. Internal earthing and external bonding are both provided.

The degree of protection of the enclosure is IP66, according to IEC/EN 60079-0 and IEC/EN 60529.

Rating: AC 100 - 277 V, 50/60 Hz, 20 W / 30 W / 40 W / 50 W / 60 W / 70W / 80W / 100W

Classification of installation and use: stationary

Ingress protection: IP66

Rated ambient temperature range (°C): -40 °C to +50 °C

Rated ambient temperature range (°C) for Ex Components: N/A

(16) **Report number**

21CH-01182.X01

(17) **"Special conditions for safe use" / "Schedule of limitations"**

For installation use only suitably certified Ex eb IIC Gb cable glands.

The enclosure made by non-metallic material is considered to have electrostatic hazard and shall not be rubbed or cleaned with dry cloth in hazardous area.

Warnings:

WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT

WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTION

WARNING – DO NOT OPEN WHEN ENERGIZED

(18) **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
None	

(19) **Drawings and Documents**

See test report "Manufacturer's Documents"

