



EU-Type Examination Certificate

- (1)
- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**
- (3) Certificate number: **SEV 19 ATEX 0332 X**
- (4) Product: **LED Luminaires (Type CES-EX-LN 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 19CH-00527.X01
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018 EN 60079-1:2014 EN 60079-28:2015
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 2 G Ex db op is IIC T5...T6 Gb
II 2 D Ex tb op is IIC T94°C...T84°C Db

Eurofins Electric & Electronic Product Testing AG
Notified Body ATEX

Jürg Rellstab
Product Certification



(13)

Appendix

(14)

EU-Type Examination Certificate no. SEV 19 ATEX 0332 X(15) **Description of product**

The CES-EX-LN Series LED Luminaires are suitable for use in hazardous location classified as Zone 1, Zone 2, Zone 21, Zone 22. They consist of power chamber and lighting chamber. Models CES-EX-LN-50/60/80/100 have one lighting chamber while models CES-EX-LN-120/150/185/200/240 have two. Power chamber is made up of JB cover (ADC12), power box (ADC12) and luminaire's body (6063). JB cover and power box are threaded joint while power box and luminaire's body are flanged joints with fasteners. Inside it, terminals connections are installed to provide electrical connection and power driver is provided for supplying the LED lighting. One threaded hole on the side of power box is provided to install with Ex cable gland or conduit sealing devices.

Lighting chamber comprise of luminaire's body (6063), lampshade (ADC12) and transparent part (tempered glass). Luminaire's body and lampshade are flanged joints with fasteners, lampshade and transparent part (tempered glass) are cemented joint. LED arrays with lens are fixed on the luminaire's body. Wirings between the LED driver output and LED arrays are connected by cementing method. Both external and internal earthings are provided.

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

Rating: 100-277 VAC, 50/60 Hz, 50 W / 60 W / 80 W / 100 W / 120 W / 150 W / 185 W / 200 W / 240 W

Classification of installation and use:

Stationary

Ingress protection:

IP66

Rated ambient temperature range (°C):

-40 °C ... +45/50/55 °C

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