

TYPE EXAMINATION CERTIFICATE



Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

- [3] Type Examination Certificate Number: **UL 22 ATEX 2544X Rev. 0**
- [4] Product: **LED Luminaries, Models CES-EX-GB-02 series, CES-EX-LN-02 series**
- [5] Manufacturer: **Shenzhen CESP Co., Ltd.**
- [6] Address: **6th FI Wangcheng Bldg., Longhua St., Longhua District, Shenzhen, Guangdong, 518109, China**
- [7] This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] UL International Demko A/S 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 Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.
- The examination and test results are recorded in confidential report no. **US/UL/ExTR22.0094/00.**
- [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**
- 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 subject to the Specific Conditions of Use specified in the schedule to this certificate.
- [11] This Type examination certificate relates only to the design of the specified product, and not to specific items of product subsequently manufactured.
- [12] The marking of the product shall include the following:

 **II 3 G Ex ec IIC T3...T4...T5 Gc**

Certification Manager
Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2022-11-29



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[15]

Description of Product:

The Model CES-EX-GB-02 series and CES-EX-LN-02 series of LED luminaires are suitable for use in hazardous location classified as Zone 2. Models CES-EX-GB-02 series consists of three “ec” compartments: one LED compartment, one LED driver compartment, one Junction box compartment. Models CES-EX-LN-02-x-01-y-z-D (x=40, 50 or 60) consists of two “ec” compartments: one LED compartment, one LED driver compartment. Models CES-EX-LN-02-x-01-y-z-D (x=80, 100, 120 or 150) consists of three “ec” compartments: two LED compartments, one LED driver compartment.

Nomenclature for Luminaires:

The complete luminaire catalogue number example is as follows:

Models	CES	-EX	-GB	-02	-30	-02	-01	-01	-D
	1	2	3	4	5	6	7	8	9

1 – Designates company identification
CES – SHENZHEN CESP

2 – Designates category of luminaire
EX – Hazardous Locations

3 – Designates shape of luminaire
GB – Roundness (For CES-EX-GB series)
LN – Linear (For CES-EX-LN series)

4 – Design number: 02 – For all luminaires

5 – Designates luminaire wattage
For CES-EX-GB series: 30 – 30W; 40 – 40W; 60 – 60W; 80 – 80W
For CES-EX-LN series: 40 – 40W; 50 – 50W; 60 – 60W; 80 – 80W; 100 – 100W; 120 – 120W; 150 – 150W

6 – Designates the configuration
01 – Line (For CES-EX-LN series)
02 – Roundness (For CES-EX-GB series)

7 – Designates CCT (Correlated Color Temperature) of LED light
01 – 3000K
02 – 4000K
03 – 6500K
04 – 5000K
05 – 5700K

8 – Mounting Means
01 – Ceiling Mount
02 – Wall Mount
03 – Pole Mount (For CES-EX-GB series)
03 – Drop Mount (For CES-EX-LN series)
04 – Drop Mount (For CES-EX-GB series only)

9 – May be any digits or alphabet for internal use
D - May be any digits or alphabet for internal use

Models covered are as follows:

1. CES-EX-GB-02-x-02-y-z-D: x can be 30, 40, 60 or 80; y can be 01, 02, 03, 04 or 05; z can be 01, 02, 03 or 04; D can be any digits or alphabet.

Models	Ambient Temperature range	Gas Temperature Code
CES-EX-GB-02-30-02-y-z-D	-40°C to +40°C	T4
	-40°C to +45°C	T4
	-40°C to +50°C	T4



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2. CES-EX-LN-02-x-01-y-z-D: x can be 40, 50, 60, 80, 100, 120, 150; y can be 01, 02, 03, 04 or 05; z can be 01, 02 or 03; D can be any digits or alphabet.

Models	Ambient Temperature range	Gas Temperature Code
CES-EX-LN-02-40-01-y-z-D,	-40°C to +40°C	T5
CES-EX-LN-02-50-01-y-z-D,	-40°C to +45°C	T5
CES-EX-LN-02-60-01-y-z-D,	-40°C to +50°C	T4
CES-EX-LN-02-80-01-y-z-D,	-40°C to +40°C	T3
CES-EX-LN-02-100-01-y-z-D,	-40°C to +45°C	T3
CES-EX-LN-02-120-01-y-z-D,	-40°C to +45°C	T3
CES-EX-LN-02-150-01-y-z-D	-40°C to +50°C	T3

Electrical Rating:

Models	Voltage (Vac)	Frequency (Hz)	Wattage (W)
CES-EX-GB-02-x-02-y-z-D(*)	100-277	50/60	30/40/60/80
CES-EX-LN-02-x-01-y-z-D(@)	100-277	50/60	40/50/60/80/100/120/150
(*) x can be 30, 40, 60 or 80; y can be 01, 02, 03, 04 or 05; z can be 01, 02, 03 or 04; D can be any digits or alphabet.			
(@) x can be 40, 50, 60, 80, 100, 120, 150; y can be 01, 02, 03, 04 or 05; z can be 01, 02 or 03; D can be any digits or alphabet.			

The optical radiation output of the product with respect to explosion protection, according to Annex II clause 1.3.1 of the Directive 2014/34/EU is covered in this certificate based on Exception 2) to the scope of EN 60079-28:2015.

Routine tests:

Routine dielectric strength testing according to clause 7.1 of EN IEC 60079-7 is required.

[16] Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this Type Examination Certificate.

[17] Special Conditions of Use:

- DO NOT OPEN WHEN ENERGIZED.
- POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.
- DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.

[18] Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

The models CES-EX-GB-02 series, CES-EX-LN-02 series has in addition passed the tests for Ingress Protection to IP66 in accordance with EN60529:1991+A1:2000+A2:2013.



The trademark will be used as the company identifier on the marking label.

