



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx SEV 20.0003X**

Page 1 of 3

Certificate history:

Status: **Current**

Issue No: 0

Date of Issue: **2020-02-21**

Applicant: **Shenzhen CESP Co., Ltd.**
6th Fl Wangcheng Bldg Longhua St.
Longhua District
Shenzhen, Guangdong, 518109
China

Equipment: **CES-EX-SC Series Portable Electric Hand Lamps**

Optional accessory: **---**

Type of Protection: **db, eb, tb**

Marking: **Ex db eb IIC T6 Gb**
Ex tb IIIC T80 °C Db

Approved for issue on behalf of the IECEx
Certification Body:

Martin Plüss

Position:

Magager Product Certification

Signature:
(for printed version)

Date:

2020-02-21

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Euofins Electric & Electronic Product Testing AG
Luppenstrasse 3
CH-8320 FEHRALTORF
Switzerland



E&E



IECEx Certificate of Conformity

Certificate No.: **IECEx SEV 20.0003X**

Page 2 of 3

Date of issue: **2020-02-21**

Issue No: 0

Manufacturer: **Shenzhen CESP Co., Ltd**
Address: 6th Fl, Wangcheng Bldg, Longhua St., Longhua District, Shenzhen, Guangdong 518109, China
China

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

CH/SEV/EXTR20.0005/00

Quality Assessment Report:

GB/CML/QAR19.0038/00



IECEx Certificate of Conformity

Certificate No.: **IECEx SEV 20.0003X**

Page 3 of 3

Date of issue: **2020-02-21**

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

CES-EX-SC Series Portable Electric Hand Lamps

The CES-EX-SC Series Portable Electric Hand Lamps are mainly composed of JB chamber, power chamber and lighting chamber. The "eb" JB chamber consists of cable gland, handle (6063Al) and driver bottom housing (ADC12) with threaded joints. The "db" power chamber consists of driver bottom housing and driver top housing (ADC12) with threaded joints. The "db" lighting chamber consists of driver top housing and globe (tempered glass) with cemented joints and driver top housing and glass ring (6063Al) with threaded joints. Terminal is equipped within the JB chamber to provide electrical connection while the power driver is installed in the power chamber. One threaded hole on the handle is provided to install with Ex cable gland. Wirings between terminal and LED driver input, between the LED driver output and LED arrays are connected by cementing method. Internal earthings are provided. The degree of protection of the enclosure is IP66, according to IEC 60079-0 and IEC 60529.

Classification of installation and use : handheld
Ingress protection : IP66
Rated ambient temperature range (°C) : -20 °C ... +50 °C
Rated ambient temperature range (°C) for Ex Components : N / A

SPECIFIC CONDITIONS OF USE: YES as shown below:

WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT

WARNING – DO NOT OPEN WHEN ENERGIZED

THE FLAMEPROOF JOINTS ARE NOT INTENDED TO BE REPAIRED.

Annex:

[IECEx SEV 20.0003X App Issued_1.pdf](#)



未经许可，不得外发。

CESP内部受控文件

未经许可，不得外发。

Annexe to: IECEx SEV 20.0003X

Issue No.: 0

page 1 of 1

Applicant Name: Shenzhen CESP Co., Ltd.,
6th Fl Wangcheng Bldg Longhua St., Longhua District,
Shenzhen, Guangdong, 518109 China

Electrical Apparatus: CES-EX-SC Series Portable Electric Hand Lamps

Type specifications:

Model	Power (W)	Input voltage 1: AC100 V-277 V; Frequency: 50/60 Hz Input voltage 2: DC110 V Input voltage 3: DC12V-24 V Output voltage: 30-36 Vdc CCT: 3000 K/4000 K/6500 K Power factor:0.97 LEDs Type: (3 V,1 W) 3030							
		Input voltage (V)	Output current (A)	Input current (A)	Luminous flux (LM)	Light efficiency (Lm/W)	LEDs Chip	Power Model	Weights (kg)
CES-EX-SC30	30	AC 100-277	0.8	0.3-0.12	3000	100	72Pcs	HTUC9-030W-01-71-0700; DC-1224-700;	2.4
		DC 110		0.28					
		DC 12-24		2.5-1.25					
CES-EX-SC20	20	AC 100-277	0.48	0.2-0.08	2000	100	72Pcs	HTUC9-030W-01-71-0700; DC-1224-700;	2.4
		DC 110		0.18					
		DC 12-24		1.7-0.8					
CES-EX-SC10	10	AC 100-277	0.23	0.1-0.04	1000	100	72Pcs	HTUC9-030W-01-71-0700; DC-1224-700;	2.4
		DC 110		0.09					
		DC 12-24		0.8-0.4					

Note: Power model : HTUC9-030W-01-71-0700 (Input voltage AC 100 V-277 V and DC 110 V) ;
Power model : DC-1224-700 (Input voltage DC 12 V - 24 V).

Ordering information:

CES-EX-SC**-A-B-C-D

CES- SHENZHEN CESP
EX- Hazardous Location
SC- Hand Lamps

**-Power: 30 W; 20 W; 10 W

A- Protective Structure, 01: Four protective beams; 02: Full mesh; 03: Semi-mesh; 04: Three protective beams;

B- CCT, 01:3000 K; 02: 4000 K; 03: 6500 K

C-Other;

D-Other

Eurofins Electric & Electronic Product Testing AG
Swiss Certification Body