EU-Type Examination Certificate

Certificate No:
ACE26ATEX040X
Rev00

Issued: 24/08/2026

[1] **EU - TYPE EXAMINATION CERTIFICATE**

[2] **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU

[3] Type Examination Certificate Number: ACE26ATEX040X Rev00

[4] Product: LED Luminaires Model: CES-EX-LN-02P Series

[5] Manufacturer: Shenzhen CESP Co., Ltd

[6] Address: Room 601,602,603 and 605, Wangcheng Bldg, No.3 Longguan East Road, Longhua St., Longhua District, Shenzhen 518109, China

[7] This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] Advanced Consulting and Engineering Iberia SL (A.C.&E. Iberia S.L.), Notified body Accreditation nº: NB3024 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and 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 the confidential Report nº.
EX_EXE011_26_26-1184, EX_EXM003_26_26-1184, EX_EXT018_26_26-1184, EX_GEN029_26_26-1342

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 : Explosive atmospheres — Part 0: Equipment — General requirements
EN 60079-7: 2015/A1:2018: Explosive atmospheres - Part 7: Equipment protection by increased safety ‘e’
EN 60079-18:2015/A1:2017: Explosive atmospheres - Part 18: Equipment protection by encapsulation ‘m’
EN 60079-31:2014: Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure ‘t’

[10] If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the point 17 of This certificate.

[11] This Type Examination Certificate relates only to the design and construction of the specified product. 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:

Ex II 2G Ex eb mb IIC T5 Gb; II 2D Ex tb IIIC T75℃ Db
Tamb: -40°C to +50°C

This Declaration of conformity may only be reproduced in its entirety and without any change, including schedules.

Date: 24/08/2026

Advanced Consulting and Engineering Iberia SL
Notified Body No NB3024
Matteo Marconi, CEO
Digitally signed by: MARCONI MATTEO
Date: 24/08/2026 16:09:32

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[13] **SCHEDULE**

[14] EU- Type Examination Certificate No: ACE26ATEX040X Rev00

[15] Description of equipment

The CES-EX-LN-02P series LED luminaires are composed of main part and two side covers. the cable entries composed of single-sided entry or double-sided entry, thread entries are located on the side cover. Single-sided entry: 1-NPT3/4”or 1-NPT 1/2” or 1-G3/4” or 1-G1/2” or 1-M25×1.5 or 1-M20 ×1.5 or 2-NPT1/2” or 2-G1/2” or 2-M20×1.5; Double-sided entry: Left or right independent choose:1-NPT3/4”or 1-NPT 1/2” or 1-G3/4” or 1-G1/2” or 1-M25×1.5 or 1-M20×1.5or 2-NPT1/2” or 2-G1/2” or 2-M20×1.5 and it shall be equipped with Ex eb or Ex tb 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 EN IEC 60079-0 and EN 60529.

Model designation:

CES-EX-LN-02P-WX-A-B-C-DE-FG

CES- SHENZHEN CESP
EX-Explosionproof
LN-Linear
02P- Serial number
W-Power(W): 20, 30, 40, 50, 60, 70, 80, 100;
X-Size, A: 0.3m, B: 0.6m, C: 0.9m, D: 1.2m;
A- CCT, 30:3000K.... 65: 6500K;
B- Mounting, 01:Yoke Mount; 02:Ceiling Mount; 03:Pole Mount; 04:Chain Mount;
C-Cable Entry, 01:Single-sided entry;02:Double-sided entry;
D-Right side cable entries, 1: One entry, 2: Two entries;
E-Right side thread size, N1:NPT3/4”, N2:NPT1/2”, G1:G3/4”, G2:G1/2”,M1:M25×1.5, M2:M20 ×1.5;
F-Left side cable entries, 1: One entry, 2: Two entries;
G-Left side thread size, N1:NPT3/4”, N2:NPT1/2”, G1:G3/4”, G2:G1/2”,M1:M25×1.5, M2:M20 ×1.5;
Note: F and G are not marked for single-sided entry.
Part number example: CES-EX-LN-02P-40B-40-01-02-1M1-2M2; That mean 40W, 0.6m, CCT 4000K,Yoke Mount, Double-sided entry, Right side 1-M25×1.5, Left side2-M20×1.5.
Note: F and G are not marked for single-sided entry.

Electrical parameters：

Rated voltage: AC110V-AC277V;
Frequency: 50/60Hz
Rated power:

Model	Power (W)
CES-EX-LN-02P-30A	30
CES-EX-LN-02P-20A	20
CES-EX-LN-02P-50B	50
CES-EX-LN-02P-40B	40

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CES-EX-LN-02P-30B	30
CES-EX-LN-02P-20B	20
CES-EX-LN-02P-70C	70
CES-EX-LN-02P-60C	60
CES-EX-LN-02P-50C	50
CES-EX-LN-02P-40C	40
CES-EX-LN-02P-100D	100
CES-EX-LN-02P-80D	80
CES-EX-LN-02P-70D	70
CES-EX-LN-02P-60D	60
CES-EX-LN-02P-50D	50
CES-EX-LN-02P-40D	40

Ambient temperature: -40°C to +50°C;
Ingress Protection class: IP66.

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[13] **SCHEDULE**

[14] EU- Type Examination Certificate No: ACE26ATEX040X Rev00

[16] Test documents are listed in the test report nº
EX_EXE011_26_26-1184, EX_EXM003_26_26-1184, EX_EXT018_26_26-1184, EX_GEN029_26_26-1342

[17] Special conditions for safe use
1. Ambient temperature range: -40°C to +50°C
2. For installation use only suitably certified II 2G Ex eb IIC Gb and II 2D Ex tb IIIC Db cable glands.
3. 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.
4. WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
5. WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTION.
6. WARNING – DO NOT OPEN WHEN ENERGIZED.

[18] Essential Health and Safety Requirements
Are fulfilled by the harmonized standard

[19] Documents and technical datasheets:

Title	Object	Revision	Date
CES-EX-LN-02P Series LED Luminaires User Manual	/	V1.1	2026.7
Assembly drawing	CES-EX-LN-02P-125-C.2	A1	2026.7.15
Side cover B	CES-EX-LN-02P-125-A-001	A1	2026.7.15
Side cover B+	CES-EX-LN-02P-125-A-001(01)	A1	2026.7.15
Nameplate A	CES-EX-LN-02P-125-C-012	A1	2026.7.15
Nameplate B	CES-EX-LN-02P-125-C-007	A1	2026.7.15
PC hood	CES-EX-LN-02P-125-A-011	A0	2001.11
P02 terminal block (UL e308822)	CES-EX-LN-02P-125-A-012	A0	2001.11
Bracket	CES-EX-LN-02P-125-A-017	A0	/
Hexahedron	CES-EX-LN-02P-125-C.1	A0	2001.11
Assembly drawing	CES-EX-LN-02P-125-C.2	A0	2001.11
300 exploded drawing	CES-EX-LN-02P-125-C.3	A0	2001.11
600 exploded drawing	CES-EX-LN-02P-125-D.1	A0	2001.11
900 exploded drawing	CES-EX-LN-02P-125-E.1	A0	2001.11
1200 exploded drawing	CES-EX-LN-02P-125-F.1	A0	2001.11
Radiator_6063Al for 300	CES-EX-LN-02P-125-C-004	A0	2001.11
Radiator_6063Al for 900	CES-EX-LN-02P-125-E-004	A0	2001.11
Nameplate B_SUS304	CES-EX-LN-02P-125-C-007	A0	2001.11
Nameplate A_SUS304	CES-EX-LN-02P-125-C-012	A0	2001.11
300 LED PWB	CES-EX-LN-02P-125-D-009	A0	2001.11

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900 LED PWB	CES-EX-LN-02P-125-C-009	A0	2001.11
500 terminal block (UL e156678)	CES-EX-GB-02-200(06)	A0	2001.11
Side cover B_ADC 12	CES-EX-LN-02P-125-A-001	A0	2001.11
Side cover A_ADC 12	CES-EX-LN-02P-125-A-008	A0	2001.11
Gasket_silicone	CES-EX-LN-02P-125-A-002	A0	2001.11
Power bracket_6063Al	CES-EX-LN-02P-125-A-003	A0	2001.11
Radiator	CES-EX-LN-02P-125-A-004	A0	2001.11
Radiator section_6063Al	CES-EX-LN-02P-125-A-004-1	A0	2001.11
Mounting bracket_6063Al	CES-EX-LN-02P-125-A-005	A0	2001.11
600 LED PWB	CES-EX-LN-02P-125-A-009	A0	2001.11
1200 LED PWB	CES-EX-LN-02P-125-E-003	A0	2001.11
Regulating bracket A	CES-EX-LN-02P-125-A-015	A0	2001.11
Regulating bracket B	CES-EX-LN-02P-125-A-016	A0	2001.11
Radiator for 1200	CES-EX-LN-02P-125-B-004	A0	2001.11
Exploded drawing for power driver X1-30-56	D.0007.00000079	A0	/
Exploded drawing for power driver X1-50-56	D.0007.00000078	A0	/
Exploded drawing for power driver X1-75-56	D.0007.00000077	A0	/
Exploded drawing for power driver X1-100-56	D.0007.00000076	A0	/
X1-30-56 power driver BOM list	/	/	/
X1-30&50-56 XJL A0.2 - schematic	/	0.2	2021.6.10
X1-30-56 REV-A1 bottom PCB layout	/	/	/
X1-30-56 REV-A1 top PCB layout	/	/	/
X1-50-56 power driver BOM list	/	/	/
X1-30&50-56 XJL A0.2 - schematic	/	0.2	2021.6.10
X1-50(30)-56 REV-A1 bottom PCB layout	/	/	/
X1-50(30)-56 REV-A1 top PCB layout	/	/	/
X1-75-56 power driver BOM list	/	/	/
X1-75 V0.3 - schematic	/	0.3	2021.6.10
X1-75-56 REV-0.5 bottom PCB layout	/	/	/
X1-75-56 REV-0.5 top PCB layout	/	/	/
X1-100-56 power driver BOM list	/	/	/
X1-100-56 V0.3 - schematic	/	/	/
X1-100-56 REV-A0 bottom PCB layout	/	/	/

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X1-100-56 REV-A0 top PCB layout	/	/	/
X1-30-56 specification	---	1.0	2019.7.15
X1-50-56 specification	---	1.0	2019.7.15
X1-75-56 specification	---	1.0	2019.10.07
X1-100-56 specification	---	1.0	2019.10.07
X1-30W 50W_PCB silk screen	/	/	/
X1-30W 50W_PCB top layer	/	/	/
X1-30W 50W_PCB bottom layer	/	/	/
X1-75W_PCB top layer	/	/	/
X1-75W_PCB bottom layer	/	/	/
X1-100W_PCB silk screen	/	/	/
X1-100W_PCB top layer	/	/	/
X1-100W_PCB bottom layer	/	/	/
Datasheet of ADC12	---	A.01	2019.6.03
MT-1806 encapsulation material for LED (-50 to 200℃)	---	/	2019.12.07
XS1110, XS1119 encapsulation material for power driver (-60 to 200℃)	---	/	2019.12.07
XS1110, XS1119 cemented material UL cert e248811	---	/	2013.9.25
Data sheet of silicone rubber TSE2186U(aq) (-40 to 200℃)	---	/	2019.11.07
Silicone rubber TSE2186U(aq) UL cert e56745	---	/	2018.2.06
Data sheet of PC material AC383(x)(f1) (RTI:130℃)	---	/	2021.2.01
PC material AC383(x)(f1) UL cert e162823	---	/	2020.1.16
Material data sheet of Al6063	---	A.01	2019.6.03
User manual	---	/	2021.4

The documents above-mentioned are strictly confidential and they are of only use of authorities.
A copy of the documents are saved by A.C.&E. Iberia S.L.

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[20] Declaration of conformity History

Number of certificate	Rev.	Comments	Date
ACE26ATEX040X	00	First emission	24/08/2026

Date: 24/08/2026

Advanced Consulting and Engineering Iberia SL
Notified Body No NB3024
Digitally signed by: MARCONI MATTEO
Date: 24/08/2026 16:09:57

Matteo Marconi, CEO

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