

(1) **EU-Type Examination Certificate**(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres****Directive 2014/34/EU**(3) EU – Type Examination Certificate Number: **IEP 19 ATEX 0714**(4) Product: **CES-J xx Type Led Floodlight**(5) Firm Name: **SHENZHEN CESP CO., LTD.**(6) Firm Address: **6Th Fl Wangcheng Bldg, Longhua St, Longhua District, SHENZHEN, GUANGDONG, 518109, CHINA**

(7) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of 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 Nr: IEP.Rp.Ex.10-1497 date 20.08.2019.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with;

**EN 60079-0:2013, EN 60079-7:2015, EN 60079-18:2015, EN 60079-28:2015, EN 60079-31:2014**

(10) If the sign “ X “ is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. 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:

**II 2G Ex eb mb op is IIC T4 Gb****II 2D Ex op is tb, IIC T(95 °C) Db****Responsible Person:**Nurettin Terzioglu  
Head of Certification Body**Date of Issue: 12.09.2019**





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(13) Schedule

(14) Certificate Nr: IEP 19 ATEX 0714

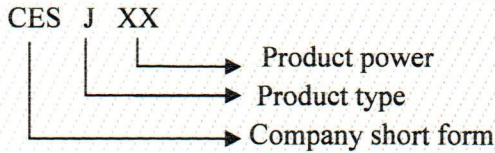
(15) Description of Equipment Protective System:

The CES-J xx Type Led Floodlight is a system with led. Encapsulation is available on LEDs. The drive is assembled inside the capsule. Cable entry sleeve is Ex e type. CES-J xx type led light body made from according to Aluminum. Led driver is in the junction box. e type terminal is used for the cable connection. To must be used of ground cable 4 mm<sup>2</sup> (min) and HD 21.13.S1/HD.22.4.S4 .

CES-J x Type Led Floodlight has been evaluated in the contents of IP 66.

CES-J x Type Led Floodlight use as zone 1, zone 21 and mining are that be used danger area determined in the EN 60079-10-1/2 standard.

## Product Coding System



## Technical Parameters: CES-J xx Type Led Floodlight

| TYPE                     | CES-J20                         | CES-J30 | CES-J40S | CES-J60 | CES-J80 | CES-J100 | CES-J120 | CES-J150 | CES-J180 | CES-J200 |
|--------------------------|---------------------------------|---------|----------|---------|---------|----------|----------|----------|----------|----------|
| Voltage V – AC, Current  | (100 ~ 277 )V – (0,09 ~ 0,84) A |         |          |         |         |          |          |          |          |          |
| Power (W)                | 20                              | 30      | 40       | 60      | 80      | 100      | 120      | 150      | 180      | 200      |
| Frequency                | 50~ 60 Hz                       |         |          |         |         |          |          |          |          |          |
| Optical irradiance       | 0,62 mW/mm <sup>2</sup>         |         |          |         |         |          |          |          |          |          |
| Optical power            | 43,7 mW                         |         |          |         |         |          |          |          |          |          |
| IP XY                    | IP66                            |         |          |         |         |          |          |          |          |          |
| Ambient Temperature (°C) | (- 20 ~ + 40 ) °C               |         |          |         |         |          |          |          |          |          |

(16) Essential Health and Safety Requirements:

16.1 Are included in standards, which are mentioned in clause (9) of this certificate. The products were approved in accordance with above mentioned standards and manufacturer's instruction.

16.2 At the installation and the operation of the CES-J xx Type Led Floodlight has to be observed manufacturer's manual 11 pages dated 03.2019.

(17) List of Documentation:

- EMC test report POCE , Nr : 11030313RE Date : 22.02.2011 (45 pages)
- LVD test report POCE , Nr :11030401RS Date : 24.02.2011 (37 Pages)
- IP xy Test report AGC Nr:110601E7 Date :23.06.2011 (3 pages)
- CN/CMEEExC/ExTR19.0011 test report, date 20.06.2019

Responsible person :

Nurettin Terzioğlu

Head of certification body



IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyon Ticaret Limited Sirketi  
5746/1 Sk. No:9 K:2 Bornova - İZMİR / TURKEY Tel: +90 232 431 1745 – 46 Fax: +90 232 431 1730 E-mail: iep@iep.com.tr Fr:45

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(18) Certificate Nr : IEP 19 ATEX 0714

(19) Drawings :

| Drawing Nr ;  | Drawing Name ;                 | Date ;  |
|---------------|--------------------------------|---------|
| CES-J40S-1    | Assembly drawing               | 2017-04 |
| CES-J40S-2    | Exploded drawing               | 2017-04 |
| CES-J40S-3    | Surface cover                  | 2017-04 |
| CES-J40S-4    | Tempered glass                 | 2017-04 |
| CES-J40S-5    | Seal ring                      | 2017-04 |
| CES-J40S-6    | 200 power box                  | 2017-04 |
| CES-J40S-7    | 200 power cover                | 2017-04 |
| CES-J40S-8    | 200 power seal ring            | 2017-04 |
| CES-J40S-9    | 200 anti-explosive lights body | 2017-04 |
| CES-J40S-10   | Triangular frame               | 2017-04 |
| CES-J40S-11   | U-bracket                      | 2017-04 |
| CES-J40S-13   | 200 connection seal ring       | 2017-04 |
| CES-J40S-17   | PCB layout                     | 2017-04 |
| CES-J100-1    | Assembly drawing               | 2017-04 |
| CES-J100-2    | Exploded drawing               | 2017-04 |
| CES-J100-3    | Surface cover                  | 2017-04 |
| CES-J100-4    | Tempered glass                 | 2017-04 |
| CES-J100-5    | Seal ring                      | 2017-04 |
| CES-J100-6    | 300 power box                  | 2017-04 |
| CES-J100-7    | 300 power cover                | 2017-04 |
| CES-J100-8    | 300 power seal ring            | 2017-04 |
| CES-J100-9    | 300 anti-explosive lights body | 2017-04 |
| CES-J100-10   | Triangular frame               | 2017-04 |
| CES-J100-11   | U-bracket                      | 2017-04 |
| CES-J100-13   | 300 connection seal ring       | 2017-04 |
| CES-J100-17   | PCB layout                     | 2017-04 |
| CES-J200-1    | Assembly drawing               | 2017-04 |
| CES-J200-2    | Exploded drawing               | 2017-04 |
| CES-J200-3    | Surface cover                  | 2017-04 |
| CES-J200-4    | Tempered glass                 | 2017-04 |
| CES-J200-5    | Seal ring                      | 2017-04 |
| CES-J200-6    | 400 power box                  | 2017-04 |
| CES-J200-7    | 400 power cover                | 2017-04 |
| CES-J200-8    | 400 power seal ring            | 2017-04 |
| CES-J200-9    | 400 anti-explosive lights body | 2017-04 |
| CES-J200-10   | Triangular frame               | 2017-04 |
| CES-J200-11   | U-bracket                      | 2017-04 |
| CES-J200-13   | 300 connection seal ring       | 2017-04 |
| CES-J200-17   | PCB layout                     | 2017-04 |
| CES-J xx      | Led encapsulation drawing      | 2019-01 |
| CES-J-Marking | Marking                        | 2017-04 |

For the validity of analysis type certificate, the parts that are used in CES-J xx type led floodlight is determined in confirmed march 2019 dated in the component and part list.

**Responsible Person:**

Nurettin Terzioğlu

Head of Certification Body

**Date of Issue: 12.09.2019**



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