



# 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](http://www.iecex.com)

Certificate No.: **IECEX CQM 12.0038X**

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Certificate history:

Status: **Current**

Issue No: 2

[Issue 1 \(2025-01-23\)](#)

[Issue 0 \(2012-08-22\)](#)

Date of Issue: 2025-11-12

Applicant: **WAROM TECHNOLOGY INCORPORATED COMPANY**  
No. 555, Baoqian Road, Jiading District, Shanghai 201808  
**China**

Equipment: **Explosion-proof caution spotlight fittings typed BJD81-\***

Optional accessory:

Type of Protection: **Flameproof enclosures "db", Dust ignition protection by enclosure "tb"**

Marking: **Ex db II C T6 Gb / Ex tb IIIC T80°C Db**

**Tamb: -40°C to +55°C**

Approved for issue on behalf of the IECEx  
Certification Body:

**Ji Xiaodong**

Position:

**President**

Signature:  
(for printed version)

Date:  
(for printed version)

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Certificate issued by:

**China Quality Mark Certification Group Co., Ltd.**  
No. 33 Zengguang Road, Haidian District  
Beijing City, Postal code: 100048  
**China**





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Manufacturer: **WAROM TECHNOLOGY INCORPORATED COMPANY**  
No. 555, Baoqian Road, Jiading District, Shanghai 201808  
**China**

Manufacturing locations: **WAROM TECHNOLOGY INCORPORATED COMPANY**  
No. 555, Baoqian Road, Jiading District, Shanghai 201808  
**China**

**WAROM TECHNOLOGY MENA FZCO**  
Plot, S10103, Jebal Ali South, Jebal Ali Freezone  
DUBAI PO Box: 263667  
**United Arab Emirates**

**WAROM TECHNOLOGY ARABIA INDUSTRIAL LLC**  
Building No. 4443, Ibn Sina Street, 1st Industrial District  
Dammam 32234  
**Saudi Arabia**

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](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:3.0

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:

[CN/CQM/ExTR12.0044/01](#)

Quality Assessment Report:

[CN/CQM/QAR07.0003/14](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

### Description of equipment

BJD81 series Explosion-proof caution spotlight fittings are protected by type “d” and “t”. The enclosure material is aluminium alloy. The material of light transmitting part is toughened glass. The enclosure is comprised of a glass cover, a clamping ring, an enclosure ring, an enclosure, a base and plugs. A LED light source and a terminal are installed in a compartment. Four cable entries are provided in the base for connection of suitably certified cable glands or blanking plugs. The equipment has an ingress protection IP66 according to the requirement of IEC 60529.

Details of type:

BJD81-\*, where \* indicates lamp color which can be R: Red, B: Blue, G: Green, Y: Yellow

Rated voltage:

100V~120V, 220V ~ 240V AC 50/60Hz ; 24V DC/AC

Light source: LED 3W

### SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Repair of the threaded joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 3 and table 4 of IEC 60079-1:2014.
2. The luminaire may only be operated in the direction of upward.
3. The entry shall be equipped with Ex certified cable glands or blanking elements with a compatible mode of protection for the intended use.
4. The enclosure with a coating of polyester powder must not be used in areas affected by charge producing processes, mechanical friction, separation processed electron emission and pneumatically conveyed dust.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Change the location of WAROM TECHNOLOGY MENA FZCO and additional manufacturing Location WAROM TECHNOLOGY ARABIA INDUSTRIAL LLC is added.