



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 CQM 12.0035X	Page 1 of 4	<u>Certificate history:</u>
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 audio and visual caution spotlight fittings typed BBJ81-*		
Optional accessory:			
Type of Protection:	Flameproof enclosures "db", Intrinsic safety "ib", Dust ignition protection by enclosures "tb"		
Marking:	Ex db ib IIC 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)

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:

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 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[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/ExTR12.0041/01](#)

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

BBJ81 Explosion-proof audio and visual caution spotlight fittings are protected by type "d", "ib" 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, plugs and a buzzer. A LED light source, a PCB, and a terminal are installed in compartment. The buzzer is assembled at the entry. There is a type "ib" protected PCB in the buzzer. Entries are provided in the enclosure for the connection of suitably certified cable glands or blanking plugs. The product fulfills the requirements of ingress protection IP66 according to IEC 60529.

Nomenclature:

BBJ81-*, where * indicates Lamp color which can be R: Red, B: Blue, G: Green, Y: Yellow

Rating

Rated voltage: 100V~120V, 220V~240V AC 50/60Hz; 24VDC/AC

Light source: LED 5W

U_m: 250V AC/DC

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.
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.