



# 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 PCET 24.0028X**

Page 1 of 4

[Certificate history](#):

Status: **Current**

Issue No: 0

Date of Issue: 2025-06-06

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

Equipment: **Explosion-proof audio and visual caution spotlight fittings Model BBJ86 - \*\***

Optional accessory: /

Type of Protection: **"db" "tb"**

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

IP66

-60°C≤Ta≤+60°C

Approved for issue on behalf of the IECEx  
Certification Body:

**Yin Hong**

Position:

**General manager**

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](http://www.iecex.com) or use of this QR Code.

Certificate issued by:

**PCEC (Tianjin) Certification Services Co. Ltd**  
No 85-1, No. 3 Road, Hongqiao District  
Tianjin Post Code 300131  
**China**





# IECEx Certificate of Conformity

Certificate No.: **IECEx PCET 24.0028X**

Page 2 of 4

Date of issue: 2025-06-06

Issue No: 0

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**

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/PCET/ExTR24.0036/00](#)

Quality Assessment Report:

[CN/CQM/QAR07.0003/13](#)



# IECEx Certificate of Conformity

Certificate No.: **IECEx PCET 24.0028X**

Page 3 of 4

Date of issue: 2025-06-06

Issue No: 0

## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The BBJ86 series explosion-proof audio and visual caution spotlight fittings (models BBJ86-01\*, BBJ86-02\*, and BBJ86-03\*) are designed with both "db" and "tb" type explosion-proof structures. These units are composed of components including the enclosure, tempered glass cover, LED light source, trumpet and speaker.

The enclosure is made of aluminum alloy using a die-casting process and is surface-treated with a powder coating. The tempered glass cover functions as an explosion-proof external component and is directly bonded to the enclosure ring. This ring is connected to the enclosure body through a flameproof threaded coupling. Grounding screws are installed both inside and outside the enclosure. Additionally, the enclosure features two threaded cable entry points, which must be fitted with certified cable glands or plugs.

The three models differ in structure and function as follows:

BBJ86-01\*: Equipped with an LED light source, tempered glass cover, light-transmitting cover, trumpet, and speaker, providing both audio and visual alarm functions; BBJ86-02\*: Lacks the LED light source, tempered glass cover and light-transmitting cover; it includes a trumpet and speaker, offering an audio alarm function only; BBJ86-03\*: Features an LED light source, tempered glass cover and light-transmitting cover, designed solely for visual alarm purposes without any audio components.

BBJ86 - \*\*

1\* : Enclosure type: 01-Sound and light integration; 02-Only sound (there is no lamp colour option); 03-Only glow.

2\* : Lamp colour: R-red; B-blue; G-green; Y-yellow.

Rated voltage range:

100~277VAC, 12~48VAC 50/60Hz

130~250VDC, 12~48VDC

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

1.The flameproof joint cannot be repaired.

2.WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.

3.The entry shall be equipped with Ex certified cable glands or plugs with a compatible mode of protection for the intended use.

4.The Explosion-proof audio and visual caution spotlight fittings must not be used in areas affected by charge-producing processes, mechanical friction and separation processed electron mission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust to avoid electrostatic.



# IECEx Certificate of Conformity

Certificate No.: **IECEx PCET 24.0028X**

Page 4 of 4

Date of issue: 2025-06-06

Issue No: 0

**Additional information:**

Routine tests: Static pressure test is conducted according to Clause 16.1 of the IEC 60079-1:2014.