



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 11.0026X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 2	Issue 1 (2013-11-13) Issue 0 (2011-11-08)
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 Type BSZD81-E□ and BSZD81-C□		
Optional accessory:			
Type of Protection:	Flameproof enclosures "d", Increased safety "e", Protection by enclosure "t"		
Marking:	Ex d e IIC T6 Gb Ex tb IIIC T80°C Db IP65 Tamb: -20°C~+55°C for BSZD81-E□ -40°C~+55°C for BSZD81-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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-1:2007](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

[IEC 60079-31:2008](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition:1

[IEC 60079-7:2006](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

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 Reports:

[CN/CQM/ExTR11.0032/01](#)

[CN/CQM/ExTR11.0032/02](#)

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

The caution spotlight fittings is the "d" and "e" compound explosion-proof structure, which consist of the enclosure, toughened glass shade, LED lamp source, control fittings etc. The control circuit system, LED lamp source enclosure and so on are encased in flameproof chamber. Terminals are encased in increased safety chamber. The wires between flameproof chamber and connection chamber are encapsulated by epoxy resin in bush. The enclosure is casting aluminum alloy and the glass shade is made from toughened glass, thickness at least 8mm. The glass shade is gulled on the enclosure ring wall directly. Cable is entered into the connection chamber through cable entry. The mounting method of caution spotlight fittings is horizontal mounting.

Rating

100V AC, 110V AC, 120V AC, 127V AC, 220V AC, 230V AC, 240V AC 50/60Hz

BSZD81-E□, ≤10W (low luminous intensity LED)

BSZD81-C□, ≤40W (medium luminous intensity LED)

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Service ambient temperature: -20°C~+55°C for BSZD81-E□, -40°C~+55°C for BSZD81-C□.
2. When application, the earthing is well.
3. When assembly, operation and maintenance, the operator should follow the requirements of IEC 60079-14:2007 Explosive atmospheres - Part 14: Electrical installations design, selection and erection, beside of the BSZD81 Series Explosion-proof Caution Spotlight Fittings Manual.
4. Repair and overhaul shall comply with IEC 60079-19.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Additional manufacturing locations WAROM TECHNOLOGY MENA FZCO and WAROM TECHNOLOGY ARABIA INDUSTRIAL LLC are added.