



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 NEP 23.0026X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2025-11-17)
Date of Issue:	2025-12-02		Issue 1 (2025-01-21)
Applicant:	WAROM TECHNOLOGY INCORPORATED COMPANY No. 555, Baoqian Road, Jiading District, Shanghai 201808 China		Issue 0 (2023-10-19)
Equipment:	Explosion-proof medium intensity aircraft warning light Model BSZD85-C*		
Optional accessory:			
Type of Protection:	Ex d, e, i, t		
Marking:	Ex db eb ib II C T6 Gb, Ex tb IIIC T80°C Db Ta: -40°C~+55°C		

Approved for issue on behalf of the IECEx
Certification Body:

Guo Aihua

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.
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Certificate issued by:

**Shanghai Inspection and Testing Institute of Instruments
and Automatic Systems Co., Ltd. (SITIIS)/
National Supervision and Inspection Center for Explosion
Protection and Safety of Instrumentation (NEPSI)
103 Cao Bao Road
Shanghai 200233
China**



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

Manufacturing locations: **WAROM TECHNOLOGY MENA FZCO**
Plot, S10103,
Jebel Ali South,
Jebel 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

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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/NEP/ExTR23.0029/01](#)

[CN/NEP/ExTR23.0029/02](#)

[CN/NEP/ExTR23.0029/03](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Explosion-proof medium intensity aircraft warning light typed BSZD85-C* consists of a light source chamber, drive chamber and terminal chamber with two cemented joints among them. Three chamber enclosures consist of a shell body and cover, made of die-casting aluminium ZL102.

In the light source chamber, there is toughened glass, an LED array and a reflector. And inside of terminal chamber, terminals are intended for connection to external circuits. Also optical sensor is provided in the terminal chamber to detect the optical signals. Entry threaded holes are intended to be installed with certified cable gland or blanking plug. The degree of protection of Explosion-proof medium intensity aircraft warning light is IP66 (IEC60529).

Type definition:

BSZD85-C*

where BSZD85 = Explosion-proof aircraft warning light;

C = Medium intensity;

* Y = Wire synchronous.

Electrical data:

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

Power Max. 40W

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The ambient temperature: -40°C~+55°C.
2. Contact the original manufacturer for the information of dimension of flameproof joint.
3. Observe the warning:

WARNING-DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT!

WARNING-POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS!

4. When Explosion-proof medium intensity aircraft warning light is installed in explosive atmosphere, cable gland or blanking plug, complying with IEC 60079-0:2017, IEC 60079-7:2017 and IEC 60079-31:2022 with type of protection Ex eb II C Gb, Ex tb III C Db with threaded type M25×1.5 or NPT3/4" shall be adopted. Separately certified cable gland, blanking plug shall be installed to the parallel threaded hole with an additional seal, and ensure at least IP66 fulfilled after installation.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

To add 2 manufacturing locations.