



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 CNE 26.0001X** Page 1 of 5 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2026-01-28
Applicant: **WAROM TECHNOLOGY INCORPORATED COMPANY**
No. 555 Baoqian Road, Jiading District, Shanghai, 201808
China
Equipment: **Explosion-proof LED Floodlights model HRT97-***
Optional accessory:
Type of Protection: **Ex ec , mc, tb**
Marking: **Ex ec mc II C T3 Gc , Ex tb IIIC T130°C Db**

Approved for issue on behalf of the IECEx
Certification Body:

Mu Dayu

Position:

Certification Officer

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:

Nanyang Explosion Protected Electrical Apparatus Research Institute
No.20 North Zhongjing Rd
Nanyang, Henan(473008)
China





IECEX Certificate of Conformity

Certificate No.: **IECEX CNE 26.0001X**

Page 2 of 5

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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
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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 60079-18:2017](#) Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

[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 Report:

[CN/CNE/ExTR26.0001/00](#)

Quality Assessment Report:

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



IECEX Certificate of Conformity

Certificate No.: **IECEX CNE 26.0001X**

Page 3 of 5

Date of issue: 2026-01-28

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

1. The HRT97 series Explosion-proof LED Floodlights consists of 1-5 modules, brackets, connecting tubes, and fixed frames. Each module is composed of a light source chamber and a wiring chamber. The light source chamber is equipped with a light source board (Ex ec), and the wiring chamber is equipped with a power module (Ex mc) and wiring terminals (Ex eb). The enclosure of HRT97 series Explosion-proof LED Floodlights is made of aluminium alloy material and the light transmitting part is made of tempered glass. The enclosure body is provided with a threaded cable entry and internal earth connections are provided. The chamber is designed as types of protection Ex ec or Ex tb .

2. Type code designation

HRT	97	-	*
Explosion-proof LED Floodlights	Design serial number		Light source power(W)

* : Light source power(W)

200, 400, 600, 800, 1000;

3. Rating:

AC100V~277V 50/60Hz 150-250V DC

200W, 400W, 600W, 800W, 1000W

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The ambient temperature range is limited to -60°C...+60°C.
2. The cable shall be selected considering the service temperature at the entry point (81°C)and the branching point (96°C).
3. When installing and using, the installation direction of the lamp should be limited to: horizontal, vertical and 60° or less than 60° from the horizontal direction.
4. When the product is installed in explosive gas atmosphere, the separated certified cable gland that comes with a sealing gasket fulfils the requirements of IEC 60079-0 and IEC 60079-7 with Ex marking Ex eb IIC Gb and IP66 shall be incorporated.
5. When the product is installed in combustible dust atmosphere, the separated certified cable gland that comes with a sealing gasket fulfils the requirements of IEC 60079-0 and IEC 60079-31 with Ex marking Ex tb IIIC Gb and IP66 shall be incorporated.
6. Observe the warning:

WARNING-DO NOT OPEN WHEN ENERGIZED.

WARNING-DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT

WARNING-POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS.



IECEX Certificate of Conformity

Certificate No.: **IECEX CNE 26.0001X**

Page 4 of 5

Date of issue: 2026-01-28

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Equipment (continued):

4.List of Ex certified components

Product name and model	Manufacturer	Marking	IECEX Coc	Service temperature range	IEC standards
Stopping plug BPT-M20X1.5	Warom Technology Incorporated Company	Ex db IIC Gb, Ex eb IIC Gb, Ex tb IIIC Db IP66	IECEX CQM 25.0022X	-60°C... +100°C	IEC 60079-0:2017 Edition:7.0 IEC 60079-1:2014 Edition:7.0 IEC 60079-31:2022 Edition:3.0 IEC 60079-7:2017 Edition:5.1
Explosion- proof Terminal Block TC8050-25/2 ; TC8050-25/3; 550VAC/DC 25A	Warom Technology Incorporated Company	Ex eb IIC Gb	IECEX CQM 21.0007U	-60°C... +100°C	IEC 60079-0:2017 Edition:7.0 IEC 60079-7:2017 Edition:5.1
Terminal Blocks CMT4 350V 28A	Connectwell Industries Pvt. Ltd.	Ex eb IIC Gb	ECEX SIR 20.0046U	-60°C... +110°C	IEC 60079-0:2017 Edition:7.0 IEC 60079-7:2017 Edition:5.1



IECEX Certificate of Conformity

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Page 5 of 5

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Additional information:

1. The enclosures of the Explosion-proof LED Floodlights model HRT97-*, successfully passed the tests for the Ingress Protection Level IP66 to IEC 60529.

2. Routine tests:

According to clause 7.1 of standard IEC 60079-7, the product shall be submitted to dielectric test:

- On 100% of production, each product shall be subjected to a dielectric strength test 1554V r.m.s for at least 1min or 1865V r.m.s for at least 100 ms with no occurrence of breakdown.