



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 24.0038X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2024-12-09

Applicant: **WAROM TECHNOLOGY INCORPORATED COMPANY**
555 Baoqian Road, Jiading District, Shanghai, 201808
China

Equipment: **Explosion-proof LED Floodlights Model HRNT95-***

Optional accessory:

Type of Protection: **Ex ec, mc, tb**

Marking: Ex ec mc IIC T5 Gc , Ex tb IIIC T88°C Db (200W 415V AC,50/60HZ)
Tamb : -40°C~+40°C
Ex ec mc IIC T4 Gc , Ex tb IIIC T106°C Db (200W 415V AC,50/60HZ)
Tamb : -40°C~+58°C

Ex ec mc IIC T5 Gc , Ex tb IIIC T82°C Db (other models)
Tamb : -40°C~+40°C
Ex ec mc IIC T4 Gc , Ex tb IIIC T100°C Db (other models)
Tamb : -40°C~+58°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.
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Certificate issued by:

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



SITI/IAS
Worldwide Access



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Page 2 of 3

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Manufacturer: **WAROM TECHNOLOGY INCORPORATED COMPANY**
555 Baoqian Road, Jiading District, Shanghai, 201808
China

Manufacturing locations: **WAROM TECHNOLOGY INCORPORATED COMPANY**
555 Baoqian Road, Jiading District, Shanghai, 201808
China

WAROM Technology Mena Fzco
Plot No.S31223, Jebel Ali Free Zone
Dubai 263667
United Arab Emirates

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/NEP/ExTR24.0051/00

Quality Assessment Report:

CN/CQM/QAR07.0003/13



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Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The enclosure of HRNT95 series Explosion-proof LED Floodlights is made of aluminium alloy material and the light transmitting part is made of tempered glass. The LED modules and other electrical components (such as LED driver and terminal blocks) are tested as a whole with the entire equipment and the built-in increased safety certified terminal is provided. The enclosure body is provided with a threaded cable entry and internal earth connections are provided.

The degree of protection of the enclosure is IP66.

Refer to annex for further information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Ambient temperature:

200W 415V AC, 50/60Hz:

-40°C~+40°C(T5 or T88°C), -40°C~+58°C(T4 or T106°C).

Other models:

-40°C~+40°C(T5 or T82°C), -40°C~+58°C(T4 or T100°C).

2. 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.



3. Low risk of mechanical danger of Explosion-proof LED Floodlights is applied, high risk of impact danger of foreign objects during installation.

4. When the product is installed in explosive gas atmosphere, the separated certified cable gland that comes with a sealing gasket fulfills the requirements of IEC 60079-0 and IEC 60079-7, with an Ex marking of 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 fulfills the requirements of IEC 60079-0 and IEC 60079-31, with an Ex marking of Ex tb IIIC Gb, and IP66 shall be incorporated

Annex:

[Annex to IECEx NEP 24.0038X_1.pdf](#)

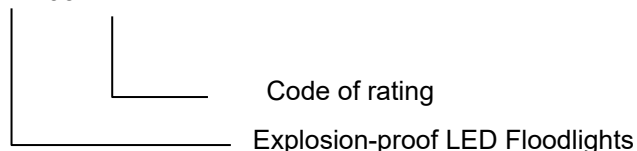
Shanghai Inspection and Testing Institute of Instruments and Automatic Systems Co., Ltd. (SITIIS) National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation (NEPSI) 103 Cao Bao Road, Shanghai 200233, China	 
Annex to IECEx Certificate of Conformity of IECEx NEP 24.0038X	

General product information:

The enclosure of HRNT95 series Explosion-proof LED Floodlights is made of aluminium alloy material and the light transmitting part is made of tempered glass. The LED modules and other electrical components (such as LED driver and terminal blocks) are tested as a whole with the entire equipment and the built-in increased safety certified terminal is provided. The enclosure body is provided with a threaded cable entry and internal earth connections are provided. The degree of protection of the enclosure is IP66.

Type code designation

HRNT95 – *



*: Code of rating

- 80W (110-277V AC,50/60Hz;130-250V DC)
- 120W (110-277V AC,50/60Hz;130-250V DC)
- 150W (110-277V AC,50/60Hz;130-250V DC)
- 200W (110-277V AC,50/60Hz;130-250V DC)
- 240W (110-277V AC,50/60Hz;130-250V DC)
- 300W (110-277V AC,50/60Hz;130-250V DC)
- 200W (415V AC,50/60Hz)
- 300W (415V AC,50/60Hz)

The relation between input power, ambient temperature, temperature class and maximum surface temperature is listed in the following table:

Input power	Temperature class/maximum surface temperature			
	Tamb: -40℃ ~ +40℃		Tamb: -40℃ ~ +58℃	
	Gas	Dust	Gas	Dust
80W,120W,150W,200W,240W,300W	T5	T82℃	T4	T100℃
200W (415V AC,50/60Hz)	T5	T88℃	T4	T106℃