



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 CNEX 20.0005X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-05-15

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

Equipment: **Explosion-proof Emergency LED Light Fitting models HRJ-.. and HRJ-../.. series**

Optional accessory:

Type of Protection: **db, op is, tb**

Marking: **Ex db op is IIC T6 Gb**
Ex tb op is IIIC T80°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Hou Yandong

Position:

Certification Officer

Signature:
(for printed version)

Date:

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:

CNEX-Global B.V.
Utrechtseweg 310-B38
6812AR, Arnhem
Netherlands





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

Additional
manufacturing
locations:

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 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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:

[NL/CNEX/ExTR20.0005/00](#)

Quality Assessment Report:

[CN/CQM/QAR07.0003/09](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Explosion-proof Emergency LED Light Fitting models HRJ-.. and HRJ-../.. series consist of an enclosure structure in type of explosion protection 'db' for use in explosive gas atmospheres, and in type of explosion protection 'tb' for use in explosive dust atmospheres. The LED lighting parts are constructed in type of explosion protection optical safety 'op is'. The flameproof enclosure parts are made of aluminum alloy material ENAC-ALSi12(b) (ZL102). The light-transmitting parts are made of toughened glass. The flameproof enclosure includes a cable entry opening with M25 X1.5-6H or NPT3/4 threading.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The ambient temperature range is limited to -40°C~+60°C.

The width of flameproof joint is more than the minimum values specified in IEC 60079-1 standard. If needed, repair of the flameproof joints must only be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 4 of IEC 60079-1:2014.

The product is delivered without cable gland, Before application, IECEx certified Ex db IIC Gb and/or Ex tb IIIC Db IP66 cable glands must be applied (as applicable), rated minimum IP66, suitable for the conditions of use and correctly installed.

Replacement of the internal battery pack shall only be done in a non-hazardous area and only in accordance with the manufacturer's instructions.

Annex:

[P20002IA-CCA certificate IECEx CNEX20.0005X Annex_1.pdf](#)

Annex to Certificate IECEx CNEX 20.0005X Issue 0

Equipment or Protective System: **Explosion-proof Emergency LED Light Fittings
model HRJ-.. and HRJ-../.. series**

Manufacturer: **Warom Technology Incorporated Company**

Address: **No. 555 Baoqian Road, Jiading, Shanghai, 201808 China**

Nomenclature for model HRJ-a b:

HRJ	-	Explosion-proof Emergency LED Light Fitting
a	-	Emergency power (W): 10, 15, 20, 25, 30, 35, 40
b	-	Mounting bracket type: K

Nomenclature for model HRJ-x/a b:

HRJ	-	Explosion-proof Normal/Emergency LED Light Fitting
x	-	Lamp power (W): 30, 60
a	-	Emergency power (W): 10, 15, 20, 25, 30, 35, 40
b	-	Mounting bracket type: K

Electrical data:

Rated voltage	: 100 ... 277 Vac
Rated frequency	: 50/60 Hz
Rated power	: 30 W, 60 W (For type HRJ-../.)
Emergency power	: 10 W, 15 W, 20 W, 25 W, 30 W, 35 W, 40 W (For type HRJ-.. 10 W, 15 W, 20 W, 25 W (For type HRJ-30/..); 20 W, 25 W, 30 W, 35 W, 40 W (For type HRJ-60/..).

Descriptive Documents:

Detailed in the Test Report Cover document. (ref. CQST/ExTR2001G001)

Mounting Instructions:

See manufacturer's instructions.

Installation Instructions:

See manufacturer's instructions.

Routine tests:

Detailed in the Test Report Cover document. (ref. CQST/ExTR2001G001).

Additional Information:

The enclosures of the explosion-proof emergency LED light fitting models HRJ-.. and HRJ-../.. series successfully passed the tests for the Ingress Protection Level IP66 to IEC 60529.

Certification Body: CNEX-Global B.V., Utrechtseweg 310-B38, 6812 AR, Arnhem, the Netherlands

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