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 18.0024X**	Page 1 of 5	Certificate history:
Status:	**Current**	Issue No: 1	Issue 0 (2018-06-19)
Date of Issue:	2026-04-30		
Applicant:	**WAROM TECHNOLOGY INCORPORATED COMPANY** No. 555# Baoqian Road, Jiading, Shanghai, **China**		
Equipment:	**Explosion-proof LED lightings model HRD95 Series**		
Optional accessory:			
Type of Protection:	**db, tb**		
Marking:	Ex db IIC T6…T4 Gb Ex tb IIIC T71℃...T114°C Db		

Approved for issue on behalf of the IECEx Certification Body: **Wu Jianguo**

Position: **Certification Officer**

Signature:
(for printed version)

Date:
(for printed version)

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Certificate issued by:

CNEX-Global B.V.
Utrechtseweg 310-B42,
6812 AR ARNHEM
Netherlands

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Certificate No.: **IECEx CNEX 18.0024X**

Date of issue: 2026-04-30 Issue No: 1

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

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

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 Reports:

NL/CNEX/ExTR18.0034/00 NL/CNEX/ExTR18.0034/01

Quality Assessment Report:

CN/CQM/QAR07.0003/14

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The LED Explosion-proof Lighting models HRD95-90-.., HRD95-160-.. and HRD95-240-.. are made of aluminum, constructed with types of explosion protection flameproof enclosure ’db’ and optical safety 'op is' for explosive gas atmospheres, as well as with type of explosion protection protection by enclosure ’tb’ and and optical safety ‘op is‘ for dust atmospheres. They are fitted with toughened glass windows.

For nomenclature and further details, see the Annex to this certificate.

SPECIFIC CONDITIONS OF USE: YES as shown below:
The ambient temperature range is limited to -40 °C to +40 °C, or -40 °C to +55 °C.

The width of flameproof joints 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.

Before application, IECEx certified cable glands and plugs must be incorporated, rated minimum IP66, suitable for the conditions of use and correctly installed.

Use heat-resisting cables suitable for operating temperatures greater than 75 °C in ambient temperature of -40 °C ... +55 °C.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Removal of 'op is' from the marking.

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Additional information:
The enclosure of the LED Explosion-proof Lighting models HRD95-90-.., HRD95-160-.. and HRD95-240-.. successfully passed the tests for the Ingress Protection level IP66 to IEC 60529.

Annex:

P26011IA-CCA IECEx CNEX 180024X issue 1 Annex.pdf

Annex to
Certificate IECEx CNEX 18.0024X issue 1

Equipment or Protective System: Explosion-proof LED lightings model HRD95 Series

Manufacturer: WAROM TECHNOLOGY INCORPORATED COMPANY

Address: No. 555# Baoqian Road, Jiading, Shanghai, P.R. China

Nomenclature for model HRD95-a-b-c:

HRD95 - Explosion-proof LED lightings
a - Enclosure type: 90, 160, 240
b - Lamp power: 30 W, 60 W, 90 W, 120 W, 160 W, 200 W, 240 W
c - Mounting type: K=Bracket, X=Ceiling, D=Hook, G=Pendant pole, B=Wall, L=Pole

Electrical Data:

Rated voltage .....: 100 – 277 Vac, 130 - 250 Vdc
Rated power .....: 30 W, 60 W, 90 W, 120 W, 160 W, 200 W or 240 W
Rated frequency .....: 50/60 Hz

The relation between rated power, ambient temperature range, surface temperature and T-class, is as follows:

Type of production	Rated power	Ambient temperature / T-class			
		-40 ℃ ≤ Ta ≤ +40 ℃		-40 ℃ ≤ Ta ≤ +55 ℃	
		Gas	Dust	Gas	Dust
HRD95-90-☐☐	30W	71℃(T6)	T71℃	86℃(T5)	T86℃
	60W	71℃(T6)	T71℃	86℃(T5)	T86℃
	90W	82℃(T5)	T82℃	97℃(T4)	T97℃
HRD95-160-☐☐	120W	76℃(T6)	T76℃	91℃(T5)	T91℃
	160W	93℃(T5)	T93℃	108℃(T4)	T108℃
HRD95-240-☐☐	200W	81℃(T5)	T81℃	96℃(T4)	T96℃
	240W	99℃(T4)	T99℃	114℃(T4)	T114℃

Mounting Instructions:

See manufacturer's instructions.

Installation Instructions:

See manufacturer's instructions.

Annex to
Certificate IECEx CNEX 18.0024X issue 1

Routine Tests:

Each enclosure shall be submitted to a routine overpressure test during 10 seconds, according to IEC 60079-1 clause 16.1, with a minimum pressure of the following table.

No.	Type of product	Chamber	Static Minimum pressure (bar)
1	HRD95-90-☐☐	d1 Light cavity	13.1
		d2 Power cavity	13.7
		d3 Junction cavity	10.4
		d4 Junction cavity	11.4
		d5 Junction cavity	11.7
		d6 Junction cavity	12.8
		d7 Junction cavity	11.3
No.	Type of product	Chamber	Static Minimum pressure (bar)
2	HRD95-160-☐☐	d8 Light cavity	13.0
		d9 Power cavity	14.6
		d3 Junction cavity	10.4
		d4 Junction cavity	11.4
		d5 Junction cavity	11.7
		d6 Junction cavity	12.8
		d7 Junction cavity	11.3
3	HRD95-240-☐☐	d10 Light cavity	13.1
		d11 Power cavity	14.5
		d3 Junction cavity	10.4
		d4 Junction cavity	11.4
		d5 Junction cavity	11.7
		d6 Junction cavity	12.8

Descriptive Documents:

Detailed in the Test Report Cover document. (**ref. P26011IA-CS, CQST/ExTR1804G001**)