



# 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](http://www.iecex.com)

Certificate No.: **IECEx CQM 24.0040X**

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[Certificate history](#)

Status: **Current**

Issue No: 0

Date of Issue: 2024-10-07

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

Equipment: **Explosion-proof LED Light Fittings typed HRY92-LED \*\*\***

Optional accessory:

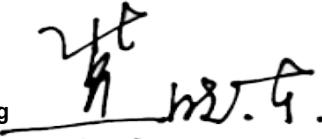
Type of Protection: **Flameproof enclosure "db", Dust ignition protection by enclosure "tb"**

Marking: Ex db IIB T6 Gb

Ex db IIB+H<sub>2</sub> T6 Gb

Ex tb IIIC T80°C Db

Approved for issue on behalf of the IECEx  
Certification Body:

  
Ji Xiaodong

Position:

**President** 2024-10-07

Signature:  
(for printed version)

Date:  
(for printed version)

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Certificate issued by:

**China Quality Mark Certification Group Co., Ltd.**  
No. 33 Zengguang Road, Haidian District  
Beijing City, Postal code: 100048  
**China**

**CQM**  
China Quality Mark



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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  
**China** **WAROM TECHNOLOGY MENA FZCO**  
Plot No. S31223  
Jebel Ali Free Zone  
Dubai P.O. Box 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 60079-1:2014** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

**IEC 60079-31:2022** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:3.0

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/CQM/ExTR24.0043/00](#)

Quality Assessment Report:

[CN/CQM/QAR07.0003/12](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The HRY92-LED Series explosion-proof light fittings is flameproof type structure, the flameproof enclosure consists of body, cover, open cover, light-transmitting parts and so on. The body, cover, open cover is pressure casting formed with cast aluminium alloy and spraying plastics by high voltage static. The material of light-transmitting parts is tempered glass. Light-transmitting parts glue with cover and body, the length of cemented is no less than 20mm, connecting cover and open cover with stud in order to guarantee that the glue of light-transmitting parts is suited to the standard requirements. There are emergency type and non-emergency type for the light fittings. Each joints surface has O-rings which meets the structure requirements of dust explosion-proof. The ingress protection fulfills IP66 according to IEC 60529. Threaded holes are provided for installation of separated certified cable gland.

Refer to attachment for details of nomenclature and electrical parameters.

## SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Ambient temperature: -20°C~+55°C or -60°C~+55°C.
2. CAUTION- USE FASTENERS WITH YIELD STRESS  $\geq 450\text{MPa}$ .
3. Observe the warnings "WARNING-DO NOT OPEN WHEN EXPLOSIVE ATMOSPHERE MAY PRESENT". For installation and operation in the combustible dust atmosphere, observe the warning "WARNING –POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS".
4. When the product is installed in explosive gas atmosphere, separated certified cable glands or blanking elements with threads M25×1.5 or NPT3/4" fulfills requirements of IEC 60079-0:2017 and IEC 60079-1:2014 shall be incorporated.
5. When the product is installed in combustible dust atmosphere, separated certified cable glands or blanking elements with threads M25×1.5 or NPT3/4" fulfills requirements of IEC 60079-0: 2017 and IEC 60079-31:2022 shall be incorporated.
6. When repair or maintain the flameproof joints, contact the original manufacturer for the information on the dimensions of the flameproof joints.

## Annex:

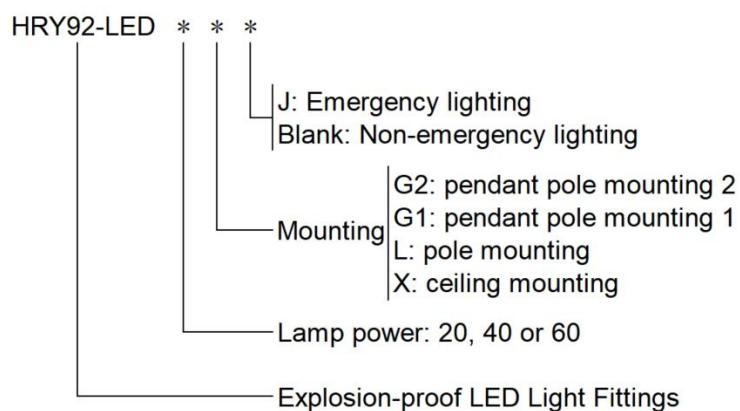
[IECEx CQM 24.0040X attachment\\_1.pdf](#)

**Manufacturer:****Warom Technology Incorporated Company**

Address: No.555, Baoqian Road, Jiading, Shanghai, 201808, PRC

**Electrical equipment:**

Explosion-proof LED Light Fittings typed HRY92-LED \*\*\*

**Nomenclature:****Ratings:**

Types	Input voltage	Rated power (W)	Ambient temperature	
			-60°C~+55°C	-20°C~+55°C
HRY92-LED 20□	100-277VAC 50/60Hz	20	Ex db IIB T6 Gb Ex tb IIIC T80°C Db	Ex db IIB+H2 T6 Gb Ex tb IIIC T80°C Db
HRY92-LED 40□		40		
HRY92-LED 60□		60		
HRY92-LED 40□J		40		
HRY92-LED 60□J		60		