



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx CQM 08.0004 Issue No: 1 Certificate history:
Status: Current Page 1 of 4 Issue No. 1 (2015-12-29)
Date of Issue: 2015-12-29 Issue No. 0 (2008-01-17)
Applicant: Warom Technology Incorporated Company.
No. 555, Baoqian Road, Jiading District, Shanghai City
Postal code: 201 808
China
Electrical Apparatus: Explosion-proof light fittings Type HRD61-400 Series
Optional accessory:
Type of Protection: Flameproof enclosure "d", Protection by enclosure "t"
Marking:
Ex d IIC T3 Gb
Ex tb IIIC T194°C Db IP66
-20°C ≤ Tamb ≤ +55°C

Approved for issue on behalf of the IECEx
Certification Body:

Ji Xiaodong

Position:

General Manager

Signature:
(for printed version)

Date:

2015-12-29

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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





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Manufacturer: **Warom Technology Incorporated Company**
No. 555, Baoqian Road, Jiading District, Shanghai City
Postal code: 201 808
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Additional Manufacturing
location(s):

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 electrical apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

IEC 60079-31 : 2008 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition: 1

*This Certificate **does not** indicate compliance with electrical 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/ExTR08.0004/01](#)

Quality Assessment Report:

[CN/CQM/QAR07.0003/05](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The product is a new generation one-piece light fitting on the basis of absorbing advanced technology from abroad. The combination of the accessories (ballast and trigger) and the lighting, simplifying on-the-spot wiring, is easy for mounting and maintenance. The special design inside the lighting can ensure that the ballast dissipates heat immediately and prevent heat transmission from the light source to the ballast. Wireless connection between the light body and the outlet sleeve is adopted. It is great simplification of mounting that firstly install the outlet sleeve then screw the light body. When maintaining, can screw the outlet sleeve out, then screw it in after examination and repair. The light source including sodium light, metal halide light, etc. and several mounting style are at user's option with pipe wiring or cable wiring (only for hook style). Users should reliably ground the grounding screws inside and outside the enclosure of the lighting when using it..

Rating

Rated voltage:

208/220/230/240/250/277VAC(HSE,HIE)
208/220/230/240/250VAC(HME)

Rated power: 400W

CONDITIONS OF CERTIFICATION: NO

1. Repair of the threaded joints must be made in compliance with the structural specifications provided by the manufacturer.
2. The entry shall be equipped with Ex certified cable glands with a compatible mode of protection for the intended use.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

1. The model of BAD61-400 explosion-proof light fitting is changed to HRD61-400.
2. The standard updated from IEC60079-0:2004, IEC60079-1:2003 to IEC60079-0:2011, IEC60079-1:2007.
3. Add the type of protection Ex tb IIIC T194°C Db IP66.
4. Expand the present voltage 230V AC 50Hz to lamp voltage 208/220/230/240/250/277V AC 50/60Hz.
5. The applicant and manufacturer name updated from Warom Group Co., Ltd. to Warom technology incorporated company.
6. The marking according to EPL's was added.