



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 12.0034X** issue No.: **0** Certificate history:

Status: **Current**

Date of Issue: **2012-07-30** Page 1 of 3

Applicant: **SHENZHEN KHJ SEMICONDUCTOR LIGHTING CO., LTD**
4-5 Floor, Building 7, Jingxuan Industry Zone, No.2 Donghuan Road, Longhua Town, Baoan
District, Shenzhen, China Postal Code: 518109
China

Electrical Apparatus: **Explosion-proof Flood Light Type KArowana series**
Optional accessory:

Type of Protection: **Flameproof enclosures "d", Protection by enclosures "t"**

Marking: **Ex d IIB T6 Gb / Ex t IIIC T80°C Db IP66**
Tamb: -40°C~+55°C

Approved for issue on behalf of the IECEx
Certification Body: **Zhang Wei**

Position: **General Manager**

Signature:
(for printed version)

Date:

2012-07-30

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.

Certificate issued by:

China Quality Mark Certification Group Co., Ltd.
No. 33 Zengguang Road, Haidian District,
Beijing City, Postal code: 100037
China





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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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

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/ExTR12.0040/00

Quality Assessment Report:

CN/CQM/QAR12.0005/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The explosion-proof flood light is composed of a cover, a wiring cavity cover with light-transmitting part, a housing. The metallic part of the compartment is made of aluminium alloy. There are two flameproof compartments in the light. Two bushings are between the two compartments. The bushings are screwed into the threaded holes of the partition separating two compartments.

Rating

Rated voltage: 100~240VAC, 50/60Hz; rated power: 30W

CONDITIONS OF CERTIFICATION: YES as shown below:

1. Repair of the flameproof joints must 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 2 of IEC 60079-1.
2. The assembly should be equipped with suitably certified cable glands with a compatible mode of protection for the intended use. The unused holes should be closed by suitably certified plugs.