



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 15.0039X Issue No: 0 Certificate history:
Status: Current Page 1 of 3 Issue No. 0 (2015-09-29)
Date of Issue: 2015-09-29
Applicant: SHENZHEN KHJ SEMICONDUCTOR LIGHTING CO., LTD
4-5 Floor, Building B, Chuang xin Industrial Park, Jingtian Rd,
Xintian Guanlan Longhua New District, Shenzhen
China
Electrical Apparatus: LED explosion proof light Type KForestfrog series
Optional accessory:
Type of Protection: Flameproof enclosure "d" Protection by enclosure "t"
Marking: Ex d IIC T6...T4 Gb
Ex tb IIIC T80°C... T130°C Db IP66

Approved for issue on behalf of the IECEx
Certification Body:

Ji Xiaodong

Position:

General Manager

Signature:
(for printed version)

Date:

2015-09-29

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: 100037
China





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Manufacturer: SHENZHEN KHJ SEMICONDUCTOR LIGHTING CO., LTD
4-5 Floor, Building B, Chuang xin Industrial Park, Jingtian Rd,
Xintian Guanlan Longhua New District, Shenzhen
China

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 Edition:6.0	Explosive atmospheres - Part 0: 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/ExTR15.0062/00

Quality Assessment Report:

CN/CQM/QAR12.0005/01



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The LED explosion proof lights are composed of a light source compartment and a terminal compartment. A bushing is used between the light source part and terminal compartment. A terminal is installed in the terminal part.

Rating

Rated voltage: 100~277VAC, 24~48VAC/VDC, 10~30VDC;
Light source and rated power: LED60W, LED45W, LED30W

Relation between power and temperature classification

Rated Power	Rated voltage	Temperature classification			
		-40°C ?Ta?+40°C		-40°C ?Ta?+55°C	
		Gas	Dust	Gas	Dust
30W	100 ~ 277 V A C	T6	T80°C	T5	T95°C
45W	24 ~ 48 V D C / V A C	T6	T80°C	T5	T95°C
60W	10~30VDC	T5	T95°C	T4	T130 °C

CONDITIONS OF CERTIFICATION: YES as shown below:

- 1.The LED explosion proof lights shall be mounted only in accordance with manufacture's instruction.
2. Warning: Do not open when energized.
- 3.Warning:After de-energizing, delay 10 minutes before opening.
4. Potential electrostatic charging hazard – see instructions.
5. Sheath of cable should subject to above 90°.