



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

Certificate No.: IECEx UL 14.0059X Issue No: 0 Certificate history:  
Issue No. 0 (2014-12-23)

Status: **Current** Page 1 of 3

Date of Issue: **2014-12-23**

Applicant: **Day Sun Technology Ltd**  
1st Floor 1, Alley 2 ,  
Lane 110, Sec 4 Hsimen Road  
North District, Tainan, 704  
**Taiwan**

Electrical Apparatus: **Intrinsically Safe Headlamp**  
*Optional accessory:*

Type of Protection: **Intrinsic Safety "ia"**

Marking:  
Ex ia IIC T4 Ga  
  
-20°C to 40°C

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

Paul T. Kelly

*Position:*

Principal Engineer, Global Hazardous Locations

*Signature:  
(for printed version)*

*Date:*

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:

**UL LLC**  
333 Pfingsten Road  
Northbrook IL 60062-2096  
United States of America





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Certificate No: IECEX UL 14.0059X Issue No: 0  
Date of Issue: 2014-12-23 Page 2 of 3  
Manufacturer: **Day Sun Technology Ltd.**  
No. 22, Ln. 126, Sec. 4, Hsimen Rd.  
North Dist., Tainan City  
704  
**Taiwan**

Additional Manufacturing  
location(s):

**Guangzhou Dashin Optoelectronic & Jewelry, Co., Ltd.**  
No. 7, 2 Road, Sandong Industrial Park  
Sandong Village, Xinhua Town, Huadu District  
Guangzhou City, Guangdong Province  
P.R.  
China

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:

<b>IEC 60079-0 : 2007-10</b> Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
<b>IEC 60079-11 : 2011</b> Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-26 : 2006</b> Edition:2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga

*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:

[US/UL/ExTR14.0092/00](#)

Quality Assessment Report:

[US/UL/QAR11.0004/02](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The DS-14 is a high power LED headlamp for use in hazardous locations and is powered by three size AAA, 1.5 V alkaline cells connected in series. It has high and low mode operating functions that allows users to operate for high brightness or long duration lighting. The following batteries were considered acceptable for use in flashlight:

-Model E92, manufactured by Energizer

-Model MN2400, manufactured by Duracell

-Model LR03, manufactured by Panasonic

### CONDITIONS OF CERTIFICATION: YES as shown below:

Read manual before use.

Do not open the enclosure in a hazardous location.

Replace batteries only in non-hazardous areas.

Use only battery type Energizer E92, Duracell MN2400 or Panasonic LR03.

Do not mix new batteries with used batteries, or mix batteries from different manufacturers or from different types.

The screw shall be secured tightly after opening and closing the enclosure.