



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 UL 13.0013X Issue No: 1 Certificate history:
Status: **Current** Page 1 of 4 [Issue No. 1 \(2014-07-14\)](#)
Date of Issue: **2014-07-14** [Issue No. 0 \(2013-09-30\)](#)

Applicant: **Scarlet Tech Ltd.**
2F, No. 52 XinHai Rd 1st Sec,
DaAn
Dist, Taipei, Taiwan 106

Electrical Apparatus: **Models SF-2, SL-11, SL-21 and SL-23 Intrinsically Safe Flashlights**
Optional accessory:

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

Marking: **Ex ia IIC T4 Ga**

*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](#).

Certificate issued by:

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





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Manufacturer: Scarlet Tech Ltd.
2F, No. 52 XinHai Rd 1st Sec,
DaAn
Dist, Taipei, Taiwan 106

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:

IEC 60079-0 : 2007-10 Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2006 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/ExTR13.0014/00 US/UL/ExTR13.0014/01

Quality Assessment Report:

US/UL/QAR11.0004/02



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Models SF-3, SL-11, SL-21 and SL-23 are intrinsically safe, portable, hand-held LED flashlights powered by four "AA" size, 1.5 V alkaline cells or buy four "AA" size, 1.2 V NiMH cells connected in series. The models are available in three different color enclosures: yellow, orange, black. The following batteries were considered acceptable for use in the flashlights:

<u>NiMH types</u>	
<u>Alkaline types</u>	
Energizer model E91	Energizer model NH15-2300
Duracell model MN1500	
Rayovac model 815	
Ansmann model 5015548	
Ansmann model 1502-0002	

CONDITIONS OF CERTIFICATION: YES as shown below:



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

Issue 1: Minor revision to product, instruction manuals and trademark, as well as updating factory information and upgrading certification to IEC 60079-11, Sixth Edition.