[1]	EC-TYPE EXAMINATION CERTIFICATE						
			(Fx)				
2]	Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 94/9/EC						
3]	EC-Type Examination Certificate Number: DE	EC-Type Examination Certificate Number: DEMKO 13 ATEX 1302999X Rev. 1					
4]	Equipment or Protective System: Intrinsically Safe Flashlight						
5]	Manufacturer: Scarlet Tech Ltd.						
6]	Address: 2F, No. 52 XinHai Rd 1st Se	c, DaAn Dist, Taipei, Taiwan	106				
7]	This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.						
8]	UL International Demko A/S, notified body number 0539 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in confidential report no. <b>4786430725</b>						
[9]	Compliance with the Essential Health and Safe	ety Requirements has been assured I	by compliance with:				
	EN 60079-0:2009	EN 60079-11:2012	EN 60079-26:2007				
10]	If the sign "X" is placed after the certificate nur	nber, it indicates that the equipment o	or protective system is subject to special conditions fo				
11]	This EC-Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by the certificate						
12]	The marking of the equipment or protective sy	stem shall include the following:					
		➢ II 1 G Ex ia IIC T4	UL)(UL)(UL)(UL)(UL				
	Certification Manager Jan-Erik Storgaard	This is to certify that the sample(s) of the Ec investigated and found in compliance with the ATEX Equipment Certification Program Requ the equipment sample(s) submitted by the Ma the sample(s) provided were representative o Up Service or other surveillance of the equipm conformity of all equipment to all applicable S results may not be used, in whole or in por	quipment described herein ( "Certified Equipment") has been Standard(s) indicated on this Certificate, in accordance with the irements. This certificate and test results obtained apply only to anufacturer. UL did not select the sample(s) or determine whether f other manufactured equipment. UL has not established Follow- ment. The Manufacturer is solely and fully responsible for tandards, specifications, requirements or Directives. The test tin any other document without UL's prior written approval.				
	for out Superind	<b>Date of issue:</b> 2013-10-08	ULXULXULXULXUL				
		Re-issued: 2014-07-14					
	Notified Body	UL International Demko A/S Tel. +45 44 85 65 65, <u>info.c</u>	S, Borupvang 5A, 2750 Ballerup, Denmark <u>lk@ul.com</u> , <u>www.ul.com</u>				
			ա ա ա ա				

[13]

#### [14]

# Schedule EC-TYPE EXAMINATION CERTIFICATE No.

DEMKO 13 ATEX 1302999X Rev. 1

Report: 4786430725

## [15] Description of Equipment or protective system

Models SF-3, SL-11, SL-21, SL-23 are intrinsically safe, portable, hand-held LED flashlights powered by four "AA" size, 1.5 V alkaline cells or by 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:

91	Alkaline types	NiMH types
	Energizer model E91	Energizer model NH15-2300
	Duracell model MN1500	$( \times \times \times )$
	Rayovac model 815	
	Ansmann model 5015548	
i lat	Ansmann model 1502-0002	

#### Temperature range

The ambient temperature range is -20 C to +40 C.

#### Performance Testing

The optical radiation output of the apparatus with respect to explosion protection, according to Annex II clause 1.3.1 of the Directive 94/9/EC is not covered in this certificate.

#### Routine tests

#### None.

## Report No.

[16]

Project Report No.:

4786430725 (Hazardous Location Testing)

## Documents:

Description:	Drawing No.:	Rev. Level:	Date:
Mechanical BOM SF-3/SF-5/SF-8	BM1. SF-3 BOM-ME	1.0	2014-04-03
Mechanical BOM SF-7	BM2. SF-7 BOM-ME	1.0	2014-04-03
Electrical BOM SF-3/SF-5/SF-7/SF-8	B02.BOM-EE	1.0	2013-08-14
Schematics	E01. SF-3 Schematics	1.0	2013-01-23
LED Board Layout	E02. SF-3 LED1	1.0	2013-01-23
SW Board Layout	E03. SF-3 SW	1.0	2013-03-14
CON Board Layout	E04. SF-3 CON1	1.0	2013-03-14
Exploded View SF-3	EX01. SF-3 Explode	1.0	2013-01-23
Exploded View SF-5	EX01. SF-5 Explode	1.0	2013-01-23
Exploded View SF-7	EX01. SF-7 Explode	1.0	2013-01-23
Exploded View SF-8	EX01. SF-8 Explode	1.0	2013-01-23
Model Differences	EX02. Model Difference	1.0	2013-08-30
SF-3 Marking Label	L01. SF-3 Marking	1.0	2013-09-14
SF-5 Marking Label	L01. SF-5 Marking	1.0	2013-09-14
SF-7 Marking Label	L01. SF-7 Marking	1.0	2013-09-14
SF-8 Marking Label	L01. SF-8 Marking	1.0	2013-09-14
SF-3 Cap Lens	M01. SF-3 Cap Lens	1.0	2013-01-23
SF-3 Cap Rubber	M02. SF-3 Cap Rubber	1.0	2013-01-23
SF-5 Cap Rubber	M02. SF-5 Cap Rubber	1.0	2013-01-23
SF-7 Cap Rubber	M02. SF-7 Cap Rubber	1.0	2013-01-23
SF-8 Cap Rubber	M02. SF-8 Cap Rubber	1.0	2013-01-23
SF-3 Body	M03. SF-3 Body	1.0	2013-01-23
SF-5 Body	M03. SF-5 Body	1.0	2013-01-23
SF-7 Body	M03. SF-7 Body	1.0	2013-01-23
SF-8 Body	M03. SF-8 Body	1.0	2013-01-23
SF-3 Battery Insulator	M04. SF-3 Battery Insulator	1.0	2013-01-23
SF-3 Vent	M01. SF-3 Vent	1.0	2013-06-11
SF-3 O-Ring	M07. SF-3 O-Ring	1.0	2013-06-11
SF-3 Wire	M08_SE-3 Wire	1.0	2013-08-29

## Schedule EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 13 ATEX 1302999X Rev. 1

Report: 4786430725

Description:	Drawing No.:	Rev. Level:	Date:	
Lamp Assembly	EX03. Lamp Assembly	1.0	2013-08-30	
User Manual SF-3	UM01. SF-3	2.0	2014-06-21	
User Manual SF-11	UM01. SF-11	2.0	2014-06-21	
User Manual SF-21	UM01. SF-21	2.0	2014-06-21	
User Manual SF-23	UM01. SF-23	2.0	2014-06-21	

## [17] Special conditions for safe use:

- Read manual before use.
- Replace batteries only in non-hazardous areas.
- Use only battery type Energizer E91, Duracell MN1500, Rayovac 815, Ansmann 5015548, Ansmann 1502-0002, or Energizer NH15-2300.
- Do not mix batteries from different manufacturers.
- Do not mix used batteries with new batteries.
- The screw shall be secured tightly after opening and closing of the enclosure.



[13] [14]