

EC-TYPE EXAMINATION CERTIFICATE



[1]

[2]

**Equipment or Protective System intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC**

[3]

EC-Type Examination Certificate Number: **DEMKO 13 ATEX 1214468X Rev. 1**

[4]

Equipment or Protective System: **3AA Propolymer HAZ-LO Flashlight**

[5]

Manufacturer: **Streamlight Inc.**

[6]

Address: **30 Eagleville Road, Eagleville, PA 19403 USA**

[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. **13CA42704**

[9]

Compliance with the Essential Health and Safety Requirements has been assured 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 number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[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 system shall include the following:

II 1 G **Ex ia IIC T4 Ga**
 II 1 D **Ex ia IIIC T₀ 118°C Da IP65**

Certification Manager

Jan-Erik Storgaard

Notified Body

This is to certify that the sample(s) of the Equipment described herein ("Certified Equipment") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Equipment Certification Program Requirements. This certificate and test results obtained apply only to the equipment sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured equipment. UL has not established Follow-Up service or other surveillance of the equipment. The Manufacturer is solely and fully responsible for conformity of all equipment to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2013-04-12

Re-issued: 2014-01-16

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[13]

Schedule

[14]

EC-TYPE EXAMINATION CERTIFICATE No.

DEMKO 13 ATEX 1214468X Rev. 1

Report: 13CA42704

[15]

Description of Equipment or protective system

The 3AA Propolymer HAZ-LO flashlights are portable, hand-held LED flashlights powered by three 'AA' size, 1.5V alkaline batteries. The device can have the option of a different color enclosure, yellow, black, or orange (Part Nos. 680701, 680701-1, and 680701-2 respectively).

The following batteries were considered acceptable for use in the flashlights:

- Model E91, manufactured by Energizer
- Model MN1500, manufactured by Duracell
- Model 815, manufactured by Rayovac

Temperature range

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

[16]

Report No.

Project Report No.: 13CA42704 (Hazardous Location Testing)

Documents:

Description:	Drawing No.:	Rev. Level:	Date:
Approval Markings	C 688901	D	2014-01-14
Assembly Drawing	B 680700	D	2013-01-11
Enclosure Drawing	D 680701	C	2013-03-12
Face Cap O-Ring	A 680706	A	2012-05-22
Face Cap	C 680810	C	2012-05-23
Div1 LED Driver PCB Assembly (Cree)	680736	D	2012-10-26
Div1 LED Driver PCB Assembly (Oslon)	680739	D	2012-10-26
3AA Switch Assembly	B 680711	B	2013-01-11
Div 1 Module Assy (Cree)	B 680735	D	2013-01-11
Div 1 Module Assy (Osram)	B 680740	B	2013-04-11
Base Cup	D 680722	E	2013-07-12
Reflector (Cree)	C 680734	A	2013-01-11
Reflector (Osram)	C 680741	A	2012-06-12
ATEX Addendum, Instructions	C 998126	C	2014-01-14

[17]

Special conditions for safe use:

- Do not open the enclosure or replace the batteries when an explosive atmosphere may be present.
- Wrist lanyard must be used when in use in areas of hazardous dust.

[18]

Essential Health and Safety Requirements

Concerning ESR this Schedule verifies compliance with the Annex III of ATEX directive only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

Additional information

This certificate was issued as "Accredited by DANAK under registration number 7011 to certification of products".

The 3AA Propolymer HAZ-LO flashlights have in addition passed the tests for Ingress Protection to IP 65 in accordance with EN60529: 1993/A1 2001.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

