



3AA PROPOLYMER® HAZ-LO® 7 LED FLASHLIGHT

ATEX Rated LED Flashlight Torch with 7 Mini LEDs

Rated for Zone 0 locations. For use in places with an explosive gas atmosphere (other than mines susceptible to firedamp) that is present continually or for longer periods. It has a maximum surface temperature of <135°C.

- A cluster of seven 5mm LEDs provide a soft, wide beam for tasks at arm's length and other up-close task lighting
 - Ultra-bright white LEDs provide 57 lumens; 500 candela; 45m beam distance; runs 24 hours
- High-performance, anti-static, thermoplastic material resistant to chemicals and solvents
- "Captured locking" set screw will not back out - prevents FOD (Foreign Object Debris)
- Safety measure: Set screw helps to avoid batteries being changed out, or the housing inadvertently being opened in a hazardous environment
- Set screw goes into a metal tray that evenly distributes pressure to protect the body from over-tightening of the set screw
- Combination of visual and mechanical polarity protection ensures correct installation of batteries
- Light designed to not power on if batteries are installed incorrectly
- 3 "AA" alkaline batteries reduce battery and recycling costs by 25%
- Sealed switch design protects it from corrosion caused by battery leakage
- O-ring sealed, dust-proof, water-tight enclosure
- IP67 rated for dust-tight and waterproof to 1 meter for 30 minutes
- 3 meter impact resistance tested
- Ergonomically designed for maximum hand comfort
- 7.00 in. (17.78 cm); 6.6 oz (187 grams) with batteries (included)
- Limited Lifetime Warranty
- ATEX-rated for Category 1GD (Zone 0, 20) locations. IECEx-rated for Zone 0 and 20, Group IIC and IIIC locations. For use in places with an explosive gas atmosphere (other than mines susceptible to firedamp) that is present continually or for longer periods. It has a maximum surface temperature of <135°C.
- Assembled in the USA
- RoHS compliant

High Lumens	57
Run Time on High	24.00 hours
Beam Distance	45 meters
Max Candela	2,500
Battery Type	AA Alkaline
Battery Quantity	3
Length	7.00 inches (17.78 centimeters)
Weight	6.60 ounces (187.11 grams)
Colors	Orange

[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:

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

www.SarabAtash.Com

[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.



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

www.SarabAtash.Com

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

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
Tel. +45 44 85 65 65, info.dk@ul.com, www.ul.com

