



## EC-Type Examination Certificate

- (1)  
(2) **Equipment or Protective Systems Intended for Use  
in Potentially Explosive Atmospheres  
Directive 94/9/EC**

- (3) EC-Type Examination Certificate Number:

**FTZÚ 11 ATEX 0052X**

- (4) Equipment or protective system: **Headlamp 3AA Haz-Lo II**  
(5) Manufacturer: **Streamlight, Inc.**  
(6) Address: **30 Eagleville Road, Eagleville PA 19403 U.S.A.**  
(7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.  
(8) The Physical Technical Testing Institute, notified body number 1026 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 the 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 N°

**11/0052 dated 12.07.2011**

- (9) Compliance with Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2009, EN 60079-11:2007, 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 testing 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 this certificate.  
(12) The marking of the equipment or protective system shall include following:

 **II 1G Ex ia IIC T3 Ga**

This EC-Type Examination Certificate is valid till: **12.07.2016**

Responsible person:

Dipl. Ing. Šindler Jaroslav

Head of certification body



Date of issue: 12.07.2011

Page: 1/2

This certificate is granted subject to the general conditions of the Physical Technical Testing Institute.  
This certificate may only be reproduced in its entirety and without any change, schedule included.



**Physical Technical Testing Institute  
Ostrava-Radvanice**

(13) **Schedule**

(14) **EC-Type Examination Certificate N° FTZÚ 11 ATEX 0052X**

(15) Description of Equipment or Protective System:

The equipment is a portable, battery operated headlamp. The equipment is an intrinsically safe apparatus. The equipment comprises a lamp body (orange or yellow ABS) with two endcaps (black PC), a facecap (black PC), a switch sealed by boot and a saddle with elastic headstrap. Inside of the equipment there are three 1.5V primary alkaline cells size AA in a battery case and two printed circuit boards with electronic. As a light source is used a high power white LED. Ambient temperature is in the range from -20°C to +40°C.

(16) Report No. : 11/0052 dated 12.07.2011

(17) Special conditions for safe use:

- 17.1 The equipment shall only be opened in a non-hazardous area.
- 17.2 The cells type Duracell MN1500 size AA shall only be used in the equipment.

(18) Essential Health and Safety Requirements:

Essential health and safety requirement of Directive 94/9/EC are covered by the standard mentioned in (9), according which the product was verified and in the manufacturer's instruction for use.

(19) List of Documentation:

No.	Drawing No.	Rev.	Sheets	Date
1	B 612500	C	1	21.06.2011
2	B 612001	C	1	10.12.2010
3	A 612002	B	1	27.08.2007
4	A 612006	A	1	10.11.2006
5	A 612007	A	1	10.11.2006
6	B 612011	T2	1	13.09.2006
7	B 612016	T1	1	06.07.2006
8	B 612017	T3	1	25.10.2006
9	B 612021	A	1	10.11.2006
10	A 612029	A	1	30.06.2011

No.	Drawing No.	Rev.	Sheets	Date
11	B 612030	A	1	29.06.2011
12	A 612040	A	1	06.07.2011
13	A 612049	A	1	22.06.2011
14	B 612902-1	A	1	22.06.2011
15	B 996125-1	A	1	22.06.2011
16	PCB'S, BOM	-	3	07.09.2006
17	612026-A	A	1	23.02.2007
18	612010-D	D	2	23.02.2007
19	612012-C	C	2	23.02.2007

The documentation was verified by FTZÚ dated 12.07.2011.

Responsible person:

Dipl. Ing. Šindler Jaroslav

Head of certification body



Date of issue: 12.07.2011

Page: 2/2

This certificate is granted subject to the general conditions of the Physical Technical Testing Institute.  
This certificate may only be reproduced in its entirety and without any change, schedule included.



(1) **Supplement No. 1 to  
EC-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use  
in Potentially Explosive Atmospheres  
Directive 94/9/EC**

(3) EC-Type Examination Certificate Number:

**FTZÚ 11 ATEX 0052X**

(4) Equipment or protective system: **Headlamp 3AA Haz-Lo II**

(5) Manufacturer: **Streamlight, Inc.**

(6) Address: **30 Eagleville Road, Eagleville PA 19403 U.S.A.**

(7) This supplement of certificate is valid for: - modification of certified equipment


(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, list of which is mentioned in schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains another requirements, which manufacturer shall fulfill before products are place on market or introduce in service.

(10) Safety requirements of modified parts were fulfilled by satisfying the following standards:


**EN 60079-0:2009, EN 60079-11:2007, EN 60079-26:2007**

(11) Marking of equipment shall contain symbols:

 **II 1G Ex ia IIC T3 Ga**

(12) This type examination certificate is valid till: **12.07.2016**

Responsible person:

  
Dipl. Ing. Sindler Jarosláv  
Head of certification body



  
Date of issue: 17.01.2012

Page: 1/2

This supplement to certificate is granted subject to the general conditions of the Physical Technical Testing Institute.  
This supplement to certificate may only be reproduced in its entirety and without any change, schedule included.

FTZÚ, Pikartská 7, 716 07 Ostrava Radvanice, tel +420 596 223 111, fax +420 596 232 672, e-mail: ftzu@ftzu.cz



Physical Technical Testing Institute  
Ostrava-Radvanice

(13)

Schedule

(14)

Supplement No. 1 to  
EC-Type Examination Certificate N° FTZÚ 11 ATEX 0052X

(15) Description of Equipment or Protective System:

Variation one, to permit:

- a) change to the Battery Separator p/n 612049 to a flat design,
- b) minor documentation changes.

The changes are listed in verified manufacturer's documents mentioned in clause (19) of this supplement. The changes do not affect the intrinsic safety.

(16) Report No.: 11/0052/1

(17) Special conditions for safe use: remain unchanged

(18) Essential Health and Safety Requirements: refer to basic certificate

(19) List of Documentation:

- [1] Drawing No. B612001, Rev.D, Sheet: 1, Date: 03.11.2011
- [2] Drawing No. B612011, Rev.A, Sheet: 1, Date: 02.11.2011
- [3] Drawing No. B612017, Rev.B, Sheet: 1, Date: 22.11.2011
- [4] Drawing No. B612040, Rev.B, Sheet: 1, Date: 10.11.2011
- [5] Drawing No. B612049, Rev.B, Sheet: 1, Date: 15.12.2011
- [6] Drawing No. B612500, Rev.D, Sheet: 1, Date: 15.12.2011

The documentation was verified by FTZÚ dated 17.01.2012.

Responsible person:

  
Dipl. Ing. Šindler Jaroslav

Head of certification body



Date of issue: 17.01.2012

Page: 2/2

This supplement to certificate is granted subject to the general conditions of the Physical Technical Testing Institute.  
This supplement to certificate may only be reproduced in its entirety and without any change, schedule included.