



1. **EC-TYPE EXAMINATION CERTIFICATE**

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

3. EC-Type Examination Certificate Number: **ITS13ATEX27854X**

4. Equipment or Protective System: **Portable LED Intrinsically Safe Headlamp (Model XPP 5450/ Model XPP 5452)**

5. Manufacturer: **Bayco Products, Inc.**

6. Address: **640 South Sanden Boulevard, Wylie, TX, 75098, USA**

7. This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8. Intertek Testing and Certification Limited, notified body number 0359 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 Intertek Report 100712482DAL-002 dated 16th May 2014.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN 60079-0:2012; EN 60079-11:2012; EN60079-26:2007 except in respect of those requirements referred to at item 16 of the Schedule.

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 this certificate.

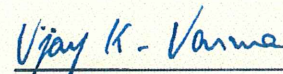
12. The marking of the equipment or protective system shall include the following:-

 **II 1 G Ex ia IIC T3 Ga**
-20°C ≤ Ta ≤ 40°C

Intertek Testing & Certification Limited
Intertek House, Cleeve Road, Leatherhead, Surrey, KT22 7SB
Tel: +44 (0)1372 370900 Fax: +44 (0)1372 370977

<http://www.intertek.com>

Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.


Vijay K Varma
Certification Officer
Date: 16th May 2014

This certificate may only be reproduced in its entirety and without any change, schedule included and is subject to Intertek Testing and Certification Conditions for Granting Certification.



SCHEDULE

EC-TYPE EXAMINATION CERTIFICATE NUMBER ITS13ATEX27854X

13. Description of Equipment or Protective System

The product covered by this report is a portable LED flashlight in one enclosure. The printed circuit boards and components are mechanically captive by the design of the housing. After properly inserting the alkaline batteries, the assembly is mechanically locked via a cover locking screw.

The differences between the two models are the value of internal electrical components: fuses, resistors, and the performance of the LED chip.

Ratings: 4.5 V nominal, powered by three AAA cells in series, types Energizer E92 or Energizer EN92.

14. Report Number:

Intertek Report 100712482DAL-002 Dated: 16th May 2014

15. CONDITIONS OF CERTIFICATION:

(a). Special Conditions for safe use

- Approved batteries for use: 4.5 V nominal, powered by three AAA cells in series, types Energizer E92 or Energizer EN92.
- See Instruction Manual for Warnings and approved batteries

(b). Conditions For Use (Routine Tests)

- None

16. Essential Health and Safety Requirements (EHSR's)

The relevant EHSR's have been identified and assessed in Intertek Report 100712482DAL-002 Dated: 16th May 2014.

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17. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
5450/52 I.S. Multi-Function Head Lamp Certification Master Design File (Total Sheet(s)=3)	5450-52-CERT-DWG1-01 THROUGH 5450-52-CERT-DWG1-03	D	14th Feb 2014
5450/52 I.S. Multi-Function Head Lamp Electrical Master Design File (Total Sheet(s)=16)	5450-52-ELEC-DWG1-01 THROUGH 5450-52-ELEC-DWG1-16	D	14th Feb 2014
5450/52 I.S. Multi-Function Head Lamp Mechanical Master Design File (Total Sheet(s)=6)	5450-52-MECH-DWG1-01 THROUGH 5450-52-MECH-DWG1-06	D	14th Feb 2014

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EU-Type Examination Certificate



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1. **EU-TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

3. **EU-Type Examination Certificate Number: ITS13ATEX27854X Issue 1**

4. **Product:** Portable LED Intrinsically Safe Headlamp (XPP-5450GC, XPP-5452GC)

5. **Manufacturer:** Bayco Products, Inc.

6. **Address:** 640 S. Sanden Blvd.,
Wylie, TX 75098, U.S.A

7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8. Intertek Testing and Certification Limited, Notified Body number 0359 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificate referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. New issues of such EC-Type Examination Certificates, and Supplementary Certificates to such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

The examination and test results are recorded in confidential Intertek Report Ref 102725506DAL-002 Issue dated 10th March 2017.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012 + A11:2013, EN 60079-11:2012 and EN 60079-28:2007 except in respect of those requirements referred to at item 16 of the Schedule.

10. If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Safe Use specified in the Schedule to this certificate.

11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12. The marking of the product shall include the following:



II 1 G Ex ia op is IIC T3 Ga
-20°C ≤ Ta ≤ +40°C

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A T Austin
Certification Officer
27th March 2017

EU-Type Examination Certificate



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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE NUMBER ITS13ATEX27854X Issue 1

18. Details of Certificate Changes Issue 1

Modifications to the product covered under Issue 1:

- Models XPP-5450GC and XPP-5452GC have been added which include a metallic attachment clip on the mounting plate. These models use LED type XPGBWT-L1-0000-00L51

Title:	Drawing No.:	Rev. Level:	Date:
Top Level Design File (Total sheets = 1)	5450-52-GENL-MAST-00	E	01/16/2017
Certification Master Design File (Total sheets=3)	5450-52-CERT-DWG1-01	E	01/16/2017
Electrical Master Design File (Total sheets = 16)	5450-52-ELEC-DWG1-01	E	01/16/2017
Mechanical Master Design File (Total sheets = 6)	5450-52-MECH-DWG1-01	E	01/16/2017
XPP-5450G Instructions Manual (Total sheets = 6)	INS-XPP5450G-17B	17B	--
XPP-5450GC Instructions Manual (Total sheets = 6)	INS-XPP5450GC-17B	17B	--
XPP-5452G Instructions Manual (Total sheets = 5)	INS-XPP5452G-17B	17B	--
XPP-5452GC Instructions Manual (Total sheets = 5)	INS-XPP5452GC-17B	17B	--

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