EU-Type Examination Certificate

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

A T Austin
Certification Officer
27th March 2017

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

SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE NUMBER ITS13ATEX27854X Issue 1

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, Energizer EN92

14. Report Number

Intertek Report Ref: 102725506DAL-002 Issue dated 10th March 2017.

15. Special Conditions of Certification

(a). Specific Conditions of Safe Use

- Approved batteries for use: 4.5V nominal, powered by three AAA cells in series, types Energizer E92 or EN92
- See Instructions Manual for warnings.
- The capacitance measured on clip on back side of enclosure, being 3.8pF; exceeds limit of 3pF for Group IIC. The user shall determine the suitability of the equipment in the end application.

(b). Conditions of Manufacture - Routine Tests

None.

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SCHEDULE

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16. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report Ref: 102725506DAL-002 - ATEX EHSR Checklist, Dated: 02nd February 2017.

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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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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