

# UK-TYPE EXAMINATION CERTIFICATE

Product or Protective Systems Intended for Use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1

- UK-Type Examination Certificate Number:** ITS21UKEX0263X      **Issue** 00
- Product:** Portable LED Intrinsically Safe Headlamp (XPP 5410G and XPP 5412G)
- Manufacturer:** Bayco Products, Inc.
- Address:** 640 Sanden Blvd  
Wylie, TX 75098  
USA
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Intertek Testing and Certification Limited, Approved Body number 0359, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this 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 Schedule 1 of the Regulations.  
  
The examination and test results are recorded in the confidential report 104092972DAL-013.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN IEC 60079-0: 2018, EN 60079-11: 2012 and EN 60079-28:2015 except in respect of those requirements referred to within item 14 of the Schedule.
- If the sign “X” is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.
- This UK-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- The marking of the product shall include the following:

IM1  
Ex ia op is Ma  
II 1 G  
Ex ia op is IIC T3 Ga  
-20°C ≤ Ta ≤ +40°C

**Certification Officer:**  **Date:** 21 July 2022  
Todd L. Relyea

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. This Certificate is accredited under UKAS schedule 0010

Intertek Testing & Certification Limited, Cleeve Road, Leatherhead, Surrey, KT22 7SA  
Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

## SCHEDULE:

UK-Type Examination Certificate Number: ITS21UKEX0263X Issue 00

### 11. Description of Product or Protective System

The product covered by this report is a portable LED penlight. 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.

XPP-5410 model is a shorter model having a boost converter.

XPP-5410: 3.0 V nominal, powered by two AAA cells in series, types Duracell PC2400, MX2400 or MN2400, or Energizer E92 or EN92.

### 12. Report Number

Intertek Report: 104092972DAL-013 Dated: December 06, 2021.

### 13. Special Conditions of Certification

(a). Special Conditions of Use

- XPP 5410 to be used only with 3.0 V nominal, powered by two AAA cells in series, types Duracell PC2400, MX2400 or MN2400, or Energizer E92 or EN92.
- See Instruction Manual for Warnings

(b). Conditions of Manufacture - Routine Tests

None.

### 14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 104092972DAL-013 Dated: December 06, 2021.

## 15. Drawings and Documents

| Title:  | Drawing No.:       | Rev. Level: | Date:      |
|---|--------------------|-------------|------------|
| 5410 IS LED Pen Light General Top Level Design File (Total Sheet(s)=1)    | 5410-GENL-DWG1-00  | F           | 10/04/2019 |
| 5410 IS LED Pen Light Certification Master Design File (Total Sheet(s)=3) | 5410-CERT-DWG1-01  | F           | 10/04/2019 |
| 5410 IS LED Pen Light Electrical Master Design File (Total Sheet(s)=19)   | 5410-ELEC-DWG1-01  | F           | 10/04/2019 |
| 5410 IS LED Pen Light Mechanical Master Design File (Total Sheet(s)=6)    | 5410-MECH-DWG1-01  | F           | 10/04/2019 |
| 5412 IS LED Pen Light General Top Level Design File (Total Sheet(s)=1)    | 5412-GENL-DWG1-00  | F           | 10/04/2019 |
| 5412 IS LED Pen Light Certification Master Design File (Total Sheet(s)=2) | 5412-CERT-DWG1-01  | F           | 10/04/2019 |
| 5412 IS LED Pen Light Electrical Master Design File (Total Sheet(s)=16)   | 5412-ELEC-DWG1-01  | F           | 10/04/2019 |
| 5412 IS LED Pen Light Electrical Master Design File (Total Sheet(s)=6)    | 5412-MECH-DWG1-001 | F           | 10/04/2019 |

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