



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX ITS 14.0036X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 1 [Issue 0 \(2015-01-09\)](#)
Date of Issue: 2023-01-20
Applicant: **Bayco Products Inc**
640 South Sanden Boulevard
Wylie
TX, 75098
United States of America
Equipment: **Portable LED Penlight Models XPP-5410**
Optional accessory:
Type of Protection: **Intrinsic Safety 'i' and Optical Radiation 'op'**
Marking: IECEx ITS 14.0036X
Ex ia op is Ma
Ex ia op is IIC T3 Ga
-20°C ≤ Ta ≤ 40°C

Approved for issue on behalf of the IECEx
Certification Body:

Mark Newman

Position:

Certificate Officer

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Intertek Testing & Certification Limited
ITS House, Cleeve Road
Leatherhead
Surrey, KT22 7SA
United Kingdom

intertek



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Manufacturer: **Bayco Products Inc**
640 South Sanden Boulevard
Wylie
TX, 75098
United States of America

Manufacturing locations: **Bayco Products Inc**
640 South Sanden Boulevard
Wylie
TX, 75098
United States of America

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[IEC 60079-28:2015](#) Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[GB/ITS/ExTR14.0041/01](#)

Quality Assessment Report:

[GB/ITS/QAR13.0005/09](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The product covered by this report is a portable LED penlight (Flashlight). 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 has 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.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- 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



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1:

- Alternate LED model GW PUSRA1.PM-N4N6-XX51-1-700-R18 (could be N3N5 instead of N4N6 as the difference is in the Luminous Flux) has been added.
- Update polymer from RTP 2599 X 123981 to RTP 2599 X 133889.
- Standard IEC 60079-0: 2011 and IEC 60079-28: 2007 has been updated to IEC 60079-0:2017 and IEC 60079-28: 2015 version.
- Delete 5412G model.

Annex:

[Annex for IECEx Certificate of Conformity for IECEx ITS 14.0036X_1.pdf](#)



Annex to IECEx Certificate of Conformity

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Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
*5410 IS LED Pen Light Certification Master Design File	5410-CERT-DWG1-01	F	10/04/2019
*XPP-5410 FLASH LIGHT	5410-CERT-DWG1-02 USCA	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
*Instruction Manual XPP-5410G	INS-XPP-5410G-DL-22	--	09-07-2022

*Note: An * is included before the title of documents that are new or revised.*



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IECEX Certified Components on Which Conformance Depends
NA

Required Manufacturer Routine Testing
NA