



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 17.0002X** Page 1 of 4 [Certificate history:](#)
Issue 0 (2017-03-27)

Status: **Current** Issue No: 1

Date of Issue: 2023-01-09

Applicant: **Bayco Products, Inc.**
640 S Sanden Blvd
Wylie, TX 75098
United States of America

Equipment: **Portable LED Flashlight - Models XPP-5450G and XPP-5452G**

Optional accessory:

Type of Protection: **Intrinsic Safety ia, Optical Radiation op is**

Marking: IECEx ITS 17.0002X
Ex ia op is IIC T4 Ga

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



IECEx Certificate of Conformity

Certificate No.: **IECEx ITS 17.0002X**

Page 2 of 4

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Manufacturing
locations: **Bayco Products, Inc.**
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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/ExTR22.0030/00](#)

Quality Assessment Report:

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



IECEx Certificate of Conformity

Certificate No.: **IECEx ITS 17.0002X**

Page 3 of 4

Date of issue: 2023-01-09

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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

SPECIFIC CONDITIONS OF USE: YES as shown below:

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



IECEx Certificate of Conformity

Certificate No.: **IECEx ITS 17.0002X**

Page 4 of 4

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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.
- Temperature code T3 has been updated to T4 for XPP-5450G and XPP-5452G models.
- Update polymer from RTP 2599 X 123981 to RTP 2599 X 133889.
- Standard IEC 60079-0:2011 has been updated to IEC 60079-0:2017.
- Standard IEC 60079-28:2007 has been updated to IEC 60079-28:2015.
- Remove 5450GC and 5452GC models.

Annex:

[Annex for IECEx Certificate of Conformity - IECEx ITS 17.0002X.pdf](#)



Annex to IECEx Certificate of Conformity

Certificate No:	IECEX ITS 17.0002X	Issue No. 1
Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
*Top Level Design File (Total sheets = 1)	5450-52-GENL-DWG1-00	F	05/08/2019
*Certification Master Design File (Total sheets=3)	5450-52-CERT-DWG1-01	F	05/08/2019
*Electrical Master Design File (Total sheets = 16)	5450-52-ELEC-DWG1-01	F	05/08/2019
Mechanical Master Design File (Total sheets = 6)	5450-52-MECH-DWG1-01	E	01/16/2017
*Instruction Manual XPP-5450G	INS-XPP-5450G-DL-22	--	09-08-2022
*Instruction Manual XPP-5452G	INS-XPP-5452G-DL-22	--	09-08-2022

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