

IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx ETL 13.0031X Issue No: 0 Certificate history:
Issue No. 0 (2014-06-20)

Status: **Current** Page 1 of 3

Date of Issue: **2014-06-20**

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

Electrical Apparatus: **Portable LED Intrinsically Safe Headlamp**
Optional accessory:

Type of Protection: **Intrinsic Safety - "ia"**

Marking:
Ex ia IIC T3 Ga
Tamb: -20°C ≤ Ta ≤ +40°C
IECEX ETL 13.0031X

Approved for issue on behalf of the IECEx
Certification Body:

Donald Card

Position:

Certification Officer

Signature:
(for printed version)

Date:

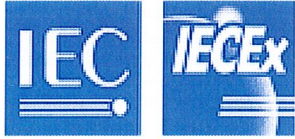
June 20, 2014

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America





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

Additional Manufacturing
location(s):

Minghui Appliance Co. Ltd
Section E,
Changkun Industrial Park,
Shajiabang Town,
Changshu,
Jianshu,
China

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 electrical apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2006 Edition:2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga

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

TEST & ASSESSMENT REPORTS:

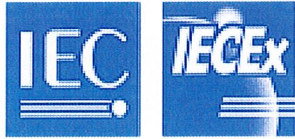
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[US/ETL/ExTR14.0022/00](#)

Quality Assessment Report:

[GB/ITS/QAR13.0005/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Models XPP 5450G and XPP 5452G are portable LED Intrinsically safe Headlamps. 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

See Annex 1 for manufacture's documentation

CONDITIONS OF CERTIFICATION: YES as shown below:

- i) Approved batteries for use: 4.5 V nominal, powered by three AAA cells in series, types Energizer E92, Energizer EN92
- ii) See Instruction manual for warnings.

Annex:

[Annex for COC IECEx ETL 13.0031X.pdf](#)



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Certificate No:	IEC Ex ETL 13.0031X/00	Issue No. 0
Annex No. 1		

Manufacturer's documents

Drawings associated with Issue 0 of this certificate:

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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