



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 13.0026X Issue No: 1 Certificate history:
Issue No. 1 (2015-04-10)
Status: **Current** Page 1 of 5 Issue No. 0 (2014-03-07)
Date of Issue: **2015-04-10**
Applicant: **Bayco Products, Inc.**
640 S. Sanden Blvd
Wylie, TX, 75098
United States of America
Electrical Apparatus: **Portable LED Intrinsically Safe LED Flashlight and/ or Flood light**
Optional accessory:
Type of Protection: **Intrinsic Safety- ia**
Marking: Ex ia I Ma; Ex ia IIC T3 Ga;
Tamb: -20°C to +40°C;
IECEX ETL 13.0026X

*Approved for issue on behalf of the IECEx
Certification Body:*

Donald Card

Position:

Certification Officer

*Signature:
(for printed version)*

Date:

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](#).

Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No: IECEx ETL 13.0026X

Issue No: 1

Date of Issue: **2015-04-10**

Page 2 of 5

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

Additional Manufacturing
location(s):

Far East Lighting Co., Ltd.

Sanbei Cixi
Ningbo
315331
China
China

Longkou Dongli Wire and Cable Co., Ltd.

413 Beighuan Road,
Huangcheng
Longkou, Shandong
China 265701
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/ExTR13.0031/00 US/ETL/ExTR13.0031/01

Quality Assessment Report:

GB/ITS/QAR13.0005/00 GB/ITS/QAR13.0005/01



IECEx Certificate of Conformity

Certificate No: IECEx ETL 13.0026X

Issue No: 1

Date of Issue: 2015-04-10

Page 3 of 5

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The product covered by this report is a portable LED flashlight and a floodlight in one light. The user can operate either light independent of the other so that the user has the appropriate pattern of light for whatever the task at hand is, or, in dual-light mode, both lights can be turned on simultaneously. The Nightstick consists of four printed circuit boards, and has two separate compartments, a battery box, and the lighting box. The printed circuit boards and components are mechanically captive by the design of the housing, where disassembly is required to access the critical parts. After properly inserting the three AA alkaline batteries, the assembly is mechanically locked via a cover locking screw.

Model Similarity: XPP-5420 B/G model is a single LED flashlight, available in a black (B) or green (G) enclosure; and XPP-5422 B/G model is a dual-light flashlight and floodlight, available in a black (B) or green (G) enclosure

CONDITIONS OF CERTIFICATION: YES as shown below:

- i) XPP 5420 B/G to be used only with three AA cells in series, types Duracell PC1500, Energizer EN91, or Energizer Lithium L91; XPP 5422 B/G and XPP 5422 GM to be used only with three AA cells in series, types Duracell PC1500, Energizer EN91
- ii) See Instruction manual for warnings.
- iii) The capacitance measured on two magnets and side clip exceeds 3pF for Group IIC. Following are values of measured capacitance. The user shall determine the suitability of the equipment in the end application.

Metal Part	Measured Capacitance in pF
Magnet on Base of Enclosure	4.03
Magnet on Side of Enclosure	3.1
Side Clip on enclosure	4.3



IECEX Certificate of Conformity

Certificate No: IECEx ETL 13.0026X

Issue No: 1

Date of Issue: **2015-04-10**

Page 4 of 5

EQUIPMENT (continued):

Model XPP 5422 GM has two elliptical magnets and metal clip. Magnets are added on side of enclosure and on bottom of enclosure.

Ratings:

For XPP 5420 B/G: 4.5 V nominal, powered by three AA cells in series types Duracell PC1500, Energizer EN91 or Energizer Lithium L91

For XPP 5422 B/G; XPP 5422 GM: 4.5 V nominal, powered by three AA cells in series types Duracell PC1500, Energizer EN91.

See Annex 1 for manufacturer's documentation.



IECEX Certificate of Conformity

Certificate No: IECEx ETL 13.0026X

Issue No: 1

Date of Issue: **2015-04-10**

Page 5 of 5

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Addition of XPP 5422 GM. There is no change in electrical circuit or batteries used on XPP 5422GM. Alternate fuse encapsulant is also added during this change. Special Condition of use is added for exceeded capacitance on accessible metal parts

Annex:

[Annex for COC IECEx ETL 13.0026X-Issue 1.pdf](#)



IECEX Certificate of Conformity

Certificate No:	IEC Ex ETL 13.0026X	Issue No. 1
Annex No. 1		

Manufacturer's documents

Drawings associated with Issue 0 of this certificate:

Title:	Drawing No.:	Rev. Level:	Date:
5420/22 I.S. LED Task Light General Top Level Design File (Total Sheet(s)=1)	5420-22-GENL-MAST-00	E	7th Aug 2013
5420/22 I.S. LED Task Light Certification Master Design File (Total Sheet(s)=5)	5420-22-CERT-MAST-00	E	7th Aug 2013
5420/22 I.S. LED Task Light Electrical Master Design File (Total Sheet(s)=39)	5420-22-ELEC-MAST-00	E	7th Aug 2013
5420/22 I.S. LED Task Light Mechanical Master File (Total Sheet(s)=7)	5420-22-MECH-MAST-00	E	7th Aug 2013

Drawings associated with Issue 1 of this certificate:

Title:	Drawing No.:	Rev. Level:	Date:
5420/22 I.S. LED Task Light General Top Level Design File (Total Sheet(s)=1)	5420-22-GENL-MAST-00	F	29th Dec 2014
5420/22 I.S. LED Task Light Certification Master Design File (Total Sheet(s)=5)	5420-22-CERT-MAST-00	F	29th Dec 2014
5420/22 I.S. LED Task Light Electrical Master Design File (Total Sheet(s)=39)	5420-22-ELEC-MAST-00	F	29th Dec 2014
5420/22 I.S. LED Task Light Mechanical Master File (Total Sheet(s)=7)	5420-22-MECH-MAST-00	F	29th Dec 2014
5422GM IS LED TAK LIGHT MECHANICAL COVER SHEET ((Total Sheet(s)=3))	5422GM-MECH-DWG1-01 THROUGH 5422GM-MECH-DWG1-03	F	29th Dec 2014

Certificate issued by:

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

