

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 13.0045X

Issue No: 0

Certificate history:

Issue No. 0 (2014-08-13)

Status: **Current**

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Date of Issue: **2014-08-13**

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: Bayco Products, Inc.
XPP-5454
Ex ia IIC T3 Ga
Tamb: -20°C to +40°C
IECEX ETL 13.0045X


Approved for issue on behalf of the IECEx
Certification Body:

Donald Card

Position:

Certification Officer

Signature:
(for printed version)


2014-08-13

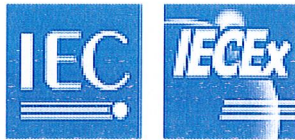
Date:

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](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):
VIGEX INTERNATIONAL LTD.
#36 4th Innovation Road
Jinding, Zhuhai, Guangdong
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:

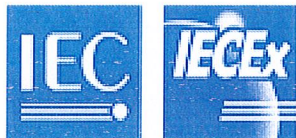
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[US/ETL/ExTR14.0019/00](#)

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 product covered by this report is a portable LED flashlight headlamp. It consists of a flashlight and a floodlight. 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. Both lights cannot be turned on simultaneously. The Nightstick headlamp is powered by three AAA alkaline batteries, types Energizer E92 and EN92, of 1.5V each. Batteries are connected in series and are the only source of power to the headlamp. The headlamp assembly is tool secured via locking screw on the battery compartment cover.

See Annex 1 for Manufacturer's Documentation

CONDITIONS OF CERTIFICATION: YES as shown below:

- XPP-5454 to be used only with three AAA batteries in series, types Energizer E92 or EN92
- See Instruction Manual for Warnings and approved batteries

Annex:

[Annex for CoC IECEx ETL 13.0045X.pdf](#)



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Certificate No:	IECEx ETL 13.0045X/00	Issue No. 0
Annex No. 1		

Manufacturer's documents

Drawings associated with Issue 0 of this certificate:

Title:	Drawing No.:	Rev. Level:	Date:
Top Level Design File	5454-GENL-DWG1-00	F	14-Feb-2014
Certification Master Design File	5454-CERT-DWG1-01	F	14-Feb-2014
Certification Certification Marking Layout	5454-CERT-DWG1-02	F	14-Feb-2014
Electrical Master Design File	5454-ELEC-DWG1-01	F	14-Feb-2014
Electrical Top Level Elec Schematic	5454-ELEC-DWG1-02	F	14-Feb-2014
Electrical Switch Elec Schematic	5454-ELEC-DWG1-03	F	14-Feb-2014
Electrical Spot Elec Schematic	5454-ELEC-DWG1-04	F	14-Feb-2014
Electrical Flood Elec Schematic	5454-ELEC-DWG1-05	F	14-Feb-2014
Electrical Bill of Materials	5454-ELEC-DWG1-06	F	14-Feb-2014
Electrical Switch PCB Layout	5454-ELEC-DWG1-07	F	14-Feb-2014
Electrical Spot PCB Layout	5454-ELEC-DWG1-08	F	14-Feb-2014
Electrical Flood PCB Layout	5454-ELEC-DWG1-09	F	14-Feb-2014
Electrical Flood Top/Bottom Metal	5454-ELEC-DWG1-10	F	14-Feb-2014
Electrical Main Top/Bottom Metal	5454-ELEC-DWG1-11	F	14-Feb-2014
Electrical Switch Top/Bottom Metal	5454-ELEC-DWG1-12	F	14-Feb-2014
Electrical Specification, Encapsulate	5454-ELEC-DWG1-13	F	14-Feb-2014
Electrical BOM	5454-ELEC-DWG1-14	F	14-Feb-2014
Mechanical Master Design File	5454-MECH-DWG1-01	F	14-Feb-2014
Mechanical General Assembly – Exploded View	5454-MECH-DWG1-02	F	14-Feb-2014
Mechanical General Assembly – Layout	5454-MECH-DWG1-03	F	14-Feb-2014
Mechanical Sections	5454-MECH-DWG1-04	F	14-Feb-2014
Mechanical Potting Dam Detail - Fuse	5454-MECH-DWG1-05	F	14-Feb-2014
Mechanical Potting Dam Detail - Resistor	5454-MECH-DWG1-06	F	14-Feb-2014
Mechanical Specification, Plastic	5454-MECH-DWG1-07	F	14-Feb-2014
Mechanical Specification, Gasket/ O-Ring	5454-MECH-DWG1-08	F	14-Feb-2014

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