NIGHT STICK®

Intrinsically Safe Permissible Polymer Penlight

This penlights is cETLus, ATEX, IECEx, MSHA and INMETRO listed Intrinsically Safe Permissible . It is ultra-compact and super slim with a powerful light output designed to illuminate very tight spaces. The tail-cap switch provides momentary or constant-on functionality. Power comes from 2 AAA premium batteries (included).

INTRINSICALLY SAFE PERMISSIBLE

30 Lumens

- **cETLus, ATEX, IECEx and MSHA listed Intrinsically Safe Permissible**
- **Engineered polymer housing**
- **Powered by AAA batteries**

WATER PROOF

XPP 5410G

NIGHT STICK®

XPP 5410G

High-efficiency deep parabolic reflector

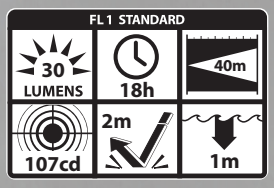
Intrinsically Safe Permissible Polymer Penlight

FEATURES

- CREE® LED technology – 50,000 + hours LED life
- Momentary or constant-on flashlight
- Sharp focused beam for distance illumination
- Engineered polymer housing
- Single tail switch
- Waterproof
- Impact & chemical resistant
- Built-in pocket/belt clip
- Powered by 2 AAA batteries (included)

XPP-5410G SPECIFICATIONS

- Lumens: 30
- Run-time: 18 hrs
- Beam distance: 40 meters
- Water / Dust rating: IP-67
- Drop rating: 2 meters
- Length: 5.8in, head diameter: 0.9in, handle diameter: 0.7in, weight: 1.9oz



INCLUDED

- Flashlight
- 2 AAA premium alkaline batteries

SAFETY RATING

cETLus, ATEX, IECEx and MSHA listed Intrinsically Safe Permissible.

Patent 7,738,229

Model	UPC 0 17398
XPP-5410G	80298 7

Handheld

High-efficiency deep parabolic reflector

Push-button tail-cap switch

Permissible XPP-5410 Flashlight Assembly

MSHA APPROVAL No. 20-A140006-0

TESTED FOR INTRINSIC SAFETY IN METHANE-AIR MIXTURES ONLY

WARNINGS: The Model XPP-5410 is MSHA approved for use with Energizer (Type E92), two Energizer (Type EN92), and Duracell (Type MX2400), Duracell (PC2400), and Duracell (EN92) batteries only. Replace the batteries in fresh air only and replace all batteries at the same time. Do not mix batteries from different manufacturers or of different types. The Model XPP-5410 must not be opened in area where permissibility required.

ID 4001184
INTRINSICALLY SAFE
SECURITE INTRINSEQUE

CE 0359

Intertek

CLASS I DIV 1 GRPS A-D T3	Ex ia op is I Ma
CLASS II & III DIV 1 GRPS E-G T135C	Ex ia op is IIC T3 Ga
CLASS I ZONE 0 AEx ia IIC T3 Ga	Intertek ITS 13 ATEX27839X
CLASS I ZONE 0 Ex ia IIC T3 Ga	IECEx ITS 14.0036X
I M 1 Ex ia op is I Ma	-20°C ≤ Tamb ≤ +40°C
II 1 G Ex ia op is IIC T3 Ga	1.5V/Cell AAA Alkaline

Conforms to:	Certified to:
ANSI/UL STD 913, ANSI/UL 60079-0, ANSI/UL 60079-11 ANSI/ISA 60079-26	CAN/CSA STD C22.2 No 157 CAN/CSA STD C22.2 No 60079-0 CAN/CSA STD C22.2 No 60079-11 CSA STD C22.2 No 25

XPP-5410G

Intrinsically Safe Permissible Penlight

MARKET APPLICATIONS Hazardous work environments, industrial, automotive, law enforcement, fire & rescue

DESCRIPTION This non-rechargeable penlight is cETLus, ATEX, IECEx, MSHA and INMETRO listed Intrinsically Safe Permissible. It is ultra-compact and super slim with a powerful light output designed to illuminate very tight spaces. The tail-cap switch provides momentary or constant-on functionality. Power comes from 2 AAA premium batteries (included).

CASE MATERIAL Engineered Polymer - Green

DIMENSIONS Length: 5.8 inches (147 mm) • Head Diameter: 0.9 inches (23 mm) • Handle Diameter: 0.7 inches (18 mm)

WEIGHT Weight: 1.9 oz. (54 g) with batteries installed

LENS Unbreakable polycarbonate with scratch resistant coating

LIGHT SOURCE Flashlight: CREE® LED Impervious to shock with a 50,000 hour lifetime

LIGHT OUTPUT 30 lumens

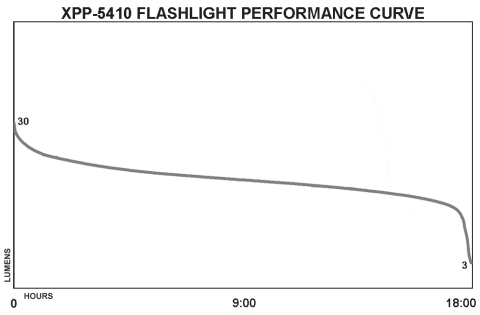
ON/OFF Single Tail-Cap Switch - Momentary or Constant-on Flashlight

RUN-TIME 18 hours

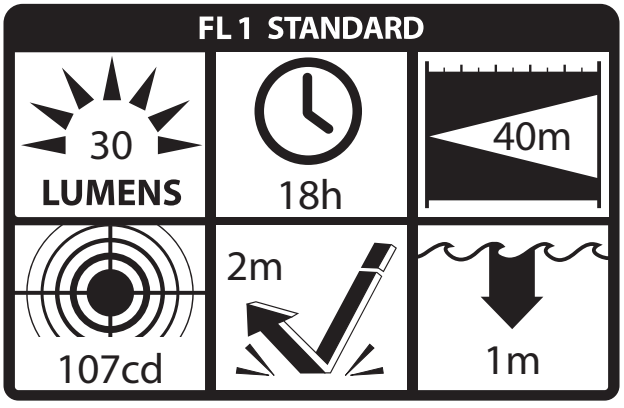
BATTERY 2 Premium alkaline AAA batteries (included)

FEATURES

- cETLus, ATEX, IECEx, MSHA and INMETRO listed Intrinsically Safe Permissible
- CREE® LED technology – 50,000 + hours LED life
- Momentary or constant-on flashlight
- Sharp focused beam for illuminating tight spaces
- Engineered polymer housing
- Non-slip grip
- Single body switch
- Waterproof
- Impact & chemical resistant
- Built-in pocket/belt clip
- Includes 2 premium AAA alkaline batteries



APPROVALS



Permissible XPP-5410 Flashlight Assembly

MSHA APPROVAL No. 20-A140006-0

TESTED FOR INTRINSIC SAFETY IN METHANE-AIR MIXTURES ONLY

WARNINGS: The Model XPP-5410 is MSHA approved for use with Energizer (Type E92), two Energizer (Type EN92), and Duracell (Type MX2400), Duracell (PC2400), and Duracell (EN92) batteries only. Replace the batteries in fresh air only and replace all batteries at the same time. Do not mix batteries from different manufacturers or of different types. The Model XPP-5410 must not be opened in area where permissibility required.

ID 4001184
INTRINSICALLY SAFE
SECURITE INTRINSEQUE

CE 0359

Intertek

CLASS I DIV 1 GRPS A-D T3	Ex ia op is I Ma
CLASS II & III DIV 1 GRPS E-G T135C	Ex ia op is IIC T3 Ga
CLASS I ZONE 0 AEx ia IIC T3 Ga	Intertek ITS 13 ATEX27839X
CLASS I ZONE 0 Ex ia IIC T3 Ga	IECEx ITS 14.0036X
Ⓔx I M 1 Ex ia op is I Ma	-20ºC ≤ Tamb ≤ +40ºC
Ⓔx II 1 G Ex ia op is IIC T3 Ga	1.5V/Cell AAA Alkaline

Conforms to:	**Certified to:**
ANSI/UL STD 913, ANSI/UL 60079-0, ANSI/UL 60079-11	CAN/CSA STD C22.2 No 157
ANSI/ISA 60079-26	CAN/CSA STD C22.2 No 60079-0
	CAN/CSA STD C22.2 No 60079-11
	CSA STD C22.2 No 25

AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant: Bayco Products, Inc.

Manufacturer: Minghui Appliance Co., ltd

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office:

Control Number: *4001184*

Authorized by: for Thomas J. Patterson, Certification Manager

This document supersedes all previous Authorizations to Mark for the noted Report Number.

AUTHORIZATION TO MARK

Standard(s):	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II & III, Division 1, Hazardous (Classified) Locations (ANSI/UL 913-2011, Seventh Ed., Issued July 31, 2006, Revised September 23, 2011); Intrinsically Safe and Non-incendive Equipment for Use in Hazardous Locations (CAN/CSA-C22.2 No. 157-92 (R2012), Third Edition, Issued June 1992, with Update No. 2, June 2003); Enclosures for Use in Class II Groups E, F & G Hazardous Locations General Instruction No 1 (CSA C22.2 No. 25-1966 (R2009), Issued September 1966); Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety "i" (ANSI/UL 60079-11-2011, Fifth Ed., Issued September 30, 2009, Revised May 5, 2011); Explosive atmospheres – Part 0: Equipment – General requirements (ANSI/UL 60079-0-2009, Fifth Ed., Issued October 21, 2009, Revised December 8, 2009); Explosive atmospheres — Part 11: Equipment protection by intrinsic safety “i” (CAN/CSA-C22.2 No. 60079-11:11, First Ed. , Issued December 2011); Explosive atmospheres — Part 0: Equipment — General requirements (CAN/CSA-C22.2 No. 60079-0:11, Second Ed., Issued December 2011)
Product:	Portable LED Penlight For Use In: Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G; Class III; Class I, Zone 0;Hazardous (Classified) Locations Protection Method: AEx ia IIC T3 Ga and Ex ia IIC T3 Ga; Temperature Code: T3 Ambient Temperature Range: -20 °C (-4 °F) to +40 °C (+104 °F)
Brand Name:	Nightstick
Models:	XPP-5410 and XPP-5412

1. # EC-TYPE EXAMINATION CERTIFICATE

2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**

3. EC-Type Examination Certificate Number: **ITS13ATEX27839X**

4. Equipment or Protective System: **Portable LED Intrinsically Safe Penlight (Model XPP 5410G/ Model XPP 5412G)**

5. Manufacturer: **Bayco Products, Inc.**

6. Address:

7. This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8. Intertek Testing and Certification Limited, notified body number 0359 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

   The examination and test results are recorded in confidential Intertek Report 100712480DAL-003 dated 7th February 2014

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN 60079-0:2012; EN 60079-11:2012; EN50303:2000; EN60079-26:2007; EN 60079-28:2007 except in respect of those requirements referred to at item 16 of the Schedule.

10. If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11. This EC Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12. The marking of the equipment or protective system shall include the following:-

    I M1 Ex ia op is Ma

    II 1 G Ex ia op is IIC T3 Ga

    -20°C ≤ Ta ≤ 40°C

Intertek Testing & Certification Limited

A T Austin
Certification Officer

SCHEDULE

EC-TYPE EXAMINATION CERTIFICATE NUMBER ITS13ATEX27839X

13. **Description of Equipment or Protective System**

The product covered by this report is a portable LED penlight. 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 is a shorter model, using two AAA cells in series, and having a boost converter; and XPP-5412 is a longer model, using three AAAA cells in series.

XPP-5410: 3.0 V nominal, powered by two AAA cells in series, types Duracell PC2400, MX2400 or MN2400, or Energizer E92 or EN92

XPP-5412: 4.5 V nominal, powered by three AAAA cells in series, types Duracell MX2500 or Energizer E96

14. **Report Number**:

Intertek Report 100712480DAL-003 Dated

15. **CONDITIONS OF CERTIFICATION**:

(a). Special Conditions for safe use

- 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; XPP 5412 to be used with 4.5 V nominal, powered by three AAAA cells in series, types Duracell MX2500 or Energizer E96
- See Instruction Manual for Warnings

(b). Conditions For Use (Routine Tests)

- None

16. **Essential Health and Safety Requirements (EHSR's):**

The relevant EHSR's have been identified and assessed in Intertek Report 100712480DAL-003 Dated: 7th Feb 2014

17. **Drawings and Documents:**

Title:	Drawing No.:	Rev. Level:	Date:
5410 IS LED Pen Light General Top Level Design File (Total Sheet(s)=1)	5410-GENL-DWG1-00	E	14th Feb 2014
5410 IS LED Pen Light Certification Master Design File (Total Sheet(s)=3)	5410-CERT-DWG1-01	E	14th Feb 2014

SCHEDULE

EC-TYPE EXAMINATION CERTIFICATE NUMBER ITS13ATEX27839X

Title:	Drawing No.:	Rev. Level:	Date:
5410 IS LED Pen Light Electrical Master Design File (Total Sheet(s)=19)	5410-ELEC-DWG1-01	E	14th Feb 2014
5410 IS LED Pen Light Mechanical Master Design File (Total Sheet(s)=6)	5410-MECH-DWG1-001	E	14th Feb 2014
5412 IS LED Pen Light General Top Level Design File (Total Sheet(s)=1)	5412-GENL-DWG1-00	E	14th Feb 2014
5412 IS LED Pen Light Certification Master Design File (Total Sheet(s)=2)	5412-CERT-DWG1-01	E	14th Feb 2014
5412 IS LED Pen Light Electrical Master Design File (Total Sheet(s)=16)	5412-ELEC-DWG1-01	E	14th Feb 2014
5412 IS LED Pen Light Electrical Master Design File (Total Sheet(s)=6)	5412-MECH-DWG1-001	E	14th Feb 2014

EU Declaration of Conformity (DoC)
XPP-5410G / XPP-5412G

Company name Bayco Products

Declare that the DoC is issued under our sole responsibility and belongs to the following product:

Apparatus model/Product: XPP-5410G/12G

Type: Flashlight

ATEX Directive 2014/34/EU

The following harmonised standards and technical specifications have been applied:
Evaluated to the following safety standards by Intertek:

EN 60079-0:2012/A11:2013 EN50303:2000 EN 60079-11:2012 (ia)
EN 60079-28:2015 (op is)

These Products are fully compliant and do not contain the restricted substances above levels noted in EU RoHS.

Certificate No. ITS13ATEX27839X

Ex I M1 Ex ia op is Ma
Ex II 1 G Ex ia op is IIC T3 Ga
-20°C ≤ Ta ≤ 40°C

CE

Name James Conner
Engineer

Form F-900-001 Rev-A

BAYCO PRODUCTS INC. 30+ YEARS SINCE 1984

IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

Certificate No.:	IECEx ITS 14.0036X	Issue No: 0	Certificate history: Issue No. 0 (2015-01-09)
Status:	**Current**		
Applicant:	**Bayco Products Inc** **United States of America**		
Electrical Apparatus: *Optional accessory:* Type of Protection:	**Portable LED Penlight Models XPP-5410 and XPP-5412** **Ex ia and Ex op is**		
Marking:	IECEx ITS 14.0036X Ex ia op is Ma Ex ia op is IIC T3 Ga -20°C ≤ Ta ≤ 40°C		

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

IECEx Certificate of Conformity

Certificate No: IECEx ITS 14.0036X Issue No: 0

Date of Issue:

Manufacturer: **Bayco Products Inc**

Additional Manufacturing location(s):

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
IEC 60079-28 : 2006-08 Edition:1	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation

*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:

GB/ITS/ExTR14.0041/00

Quality Assessment Report:

GB/ITS/QAR13.0005/01

IECEx Certificate of Conformity

Certificate No: IECEx ITS 14.0036X Issue No: 0

Date of Issue: **2015-01-09**

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The product covered by this report is a portable LED penlight. 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 is a shorter model, using two AAA cells in series, and having a boost converter

XPP-5412 is a longer model, using three AAAA cells in series.

XPP-5410: 3.0 V nominal, powered by two AAA cells in series, types Duracell PC2400, MX2400 or MN2400, or Energizer E92 or EN92

XPP-5412: 4.5 V nominal, powered by three AAAA cells in series, types Duracell MX2500 or Energizer E96

CONDITIONS OF CERTIFICATION: YES as shown below:

(a). Special Conditions for safe use

- 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 ; XPP 5412 to be used with 4.5 V nominal, powered by three AAAA cells in series, types Duracell MX2500 or Energizer E96

- See Instruction Manual for Warnings

(b). Conditions For Use (Routine Tests)

- None