

NOTICE OF COMPLETION
AND
AUTHORIZATION TO APPLY THE UL MARK



11/4/2017

MR. JIM CONNER BAYCO
PRODUCTS INC.

Our Reference: E467756 Order: 11921944
Project: 4788124477
Your Reference: 19637 OP
Project Scope: cULus listing of Models XPP5566GX/RX and XPR5568GX/RX

Dear MR. JIM CONNER:

Congratulations! UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements. This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark at authorized factories under UL's Follow-Up Service Program. To provide your manufacturer(s) with the intended authorization to use the UL Mark, you must send a copy of this notice to each manufacturing location currently authorized under File E467756.

Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. Until then, this letter authorizes application of the UL Mark for 90 days from the date indicated above.

EU-TYPE EXAMINATION CERTIFICATE



Equipment or Protective System intended for use
in Potentially Explosive Atmospheres
Directive 2014/34/EU

EU-Type Examination Certificate Number: **DEMKO 17 ATEX 1927 Rev. 0**

Product: **Multifunctional Angle Light, Models Nightstick XPP-5566** and Nightstick XPR-5568****

Manufacturer: **Bayco Products Inc.**

This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. **4788124477**



Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013 EN 60079-11:2012
EN 60079-28:2015 EN 50303:2000

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

This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by the certificate.

The marking of the product shall include the following:

 I M1 **Ex ia op is I Ma**
 II 1 G **Ex ia op is IIC T3 Ga**

Certification Manager
Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2017-11-03



Schedule
EU-TYPE EXAMINATION CERTIFICATE No.
DEMKO 17 ATEX 1927 Rev. 0

Description of Product

The devices are multifunction flashlights that are portable and powered by either a rechargeable battery pack Nightstick 5568-BATT or with Nightstick 5566-Carrier containing three primary cells Energizer EN91 or E91. The device is provided in either red or green both with a metal belt clip, clear lens, black pushbuttons and articulating head.

Nomenclature:

XP	P	-556	6	G	X
I	II	III	IV	V	VI

- I - Basic Model
- II - P or R
- III = 556
- IV - 6 (only with suffix P) or 8 (only with suffix R)
- V - G for Green or R for Red color
- VI - blank or X indicating strobe functionality

Temperature range

The ambient temperature range is -20 °C to +40 °C.

Electrical data

Intrinsically safe specifications:

U_m : 10 V

Routine tests

None.

[16] Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

[17] Specific conditions of use:

None

[18] Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

The Nightstick XPP-5566 and Nightstick XPR-5568 has in addition passed the tests for Ingress Protection to IP 67 in accordance with EN 60529:1991+A1:2000+A2:2013.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.

EU Declaration of Conformity (DoC)

XPP-5566/XPR-5568 / GX / RX

Company name Bayco Products

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

Apparatus model/Product: **XPP-5566 / XPR-5568 /GX /RX**

Type: Flashlight

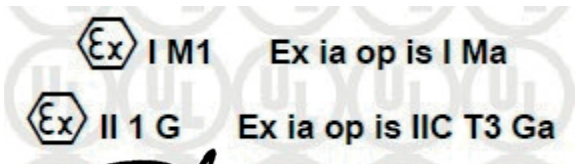
ATEX Directive 2014/34/EU

**The following harmonised standards and technical specifications have been applied:
Evaluated to the following safety standards by Underwriters Laboratories (U.L.):**

EN 60079-0:2012/A11:2013 EN 60079-11:2012 (ia) EN 50303:2000

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

Certificate No. DEMKO 17 ATEX 1827 Rev. 0



Name James Conner
Engineer

Date of issue:
04/30/2018

Form F-900-001 Rev-A





IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

Certificate No.: IECEX UL 17.0082 Issue No: 0
Status: **Current**
Date of Issue: **2017-11-03**
Applicant: **Bayco Products Inc.**

Equipment: **Multifunctional Angle Light - Models Nightstick XPP-5566 and Nightstick XPR-5568**

Optional accessory:

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

Marking:

Ex ia op is I Ma

Ex ia op is IIC T3 Ga

-20°C to +40°C

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

Lucy Frieders

Position:

Staff Engineer

*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



IECEX Certificate of Conformity

Certificate No: IECEX UL 17.0082 Issue No: 0
Date of Issue: 2017-11-03
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 60079-28 : 2015 Edition:2	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



IECEX Certificate of Conformity

Certificate No: IECEX UL 17.0082

Issue No: 0

Date of Issue: 2017-11-03

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The devices are multifunction flashlights that are portable and powered by either a rechargeable battery pack Nightstick 5568-BATT, or with Nightstick 5566-Carrier containing three primary cells Energizer EN91 or E91. The device is provided in either red or green both with a metal belt clip, clear lens, black pushbuttons and articulating head.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: NO



IECEX Certificate of Conformity

Certificate No.: IECEX UL 17.0082

TYPE DESIGNATION

Nomenclature:

XP	P	-556	6	G	X
I	II	III	IV	V	VI

- I - Basic Model
- II - P or R
- III = 556
- IV - 6 (only with suffix P) or 8 (only with suffix R)
- V - G for Green or R for Red color
- VI - blank or X indicating strobe functionality

PARAMETERS RELATING TO THE SAFETY

1.5V/Cell Alkaline Energizer EN91 or E91, 3.7V/Cell Li-ion, IP 67, Um = 10V

MARKING

Marking has to be readable and indelible; it has to include the following indications:

QAR :				
QAR Reference Number *: (automatic numbering)	GB/ITS/QAR13.0005/04			
Related QARs:	GB/ITS/QAR13.0005/03 GB/ITS/QAR13.0005/02 GB/ITS/QAR13.0005/01 GB/ITS/QAR13.0005/00			
Status*:	Issued			
QAR Free Reference Number*:	G103005506 and G102898683 (US)			
Audit Date*: (yyyy-mm-dd)	2017-03-21			
Date of Issue*: (yyyy-mm-dd)	2017-05-26			
Details of change*:	Reassessment of manufacturer without a certified QMS (Yearly) 20-21 March 2016 (TP)			
Valid until*: (yyyy-mm-dd)	2018-07-17			
Site(s) audited*:	Bayco			
Issuing ExCB*:	ITS - Intertek Testing & Certification Limited			
Manufacturer*:	Bayco			
Country of Manufacture*:	United States of America			
Product information*:	Flashlights			
Protection concept*:	intrinsically safe - i.a. Inherently safe optical radiation - 'op is'			
Related IECEX Certificates: (automatic linking)	IECEX EMT 17.0012X issue: 0 [Current] IECEX EMT 17.0012X issue: 1 [Current] IECEX ITS 16.0045X issue: 1 [Current] IECEX ITS 18.0005X issue: 0 [Current] IECEX UL 16.0168 issue: 1 [Current] IECEX UL 16.0168 issue: 2 [Current] IECEX UL 17.0005 issue: 0 [Current] IECEX UL 17.0082 issue: 0 [Current]			
Related Certificates: (manual insertion)				
Related IECEX Certificates for previous versions:				
	ExCB	CoC and Status	Totals	
	▼ EMT	IECEX EMT 17.0012X issue: 0 [Current] IECEX EMT 17.0012X issue: 1 [Current]	2	
	▼ ETL	IECEX ETL 13.0025X issue: 0 [Current] IECEX ETL 13.0025X issue: 1 [Current] IECEX ETL 13.0026X issue: 0 [Current]	10	

- [IECEX ETL 13.0026X issue: 1 \[Current\]](#)
- [IECEX ETL 13.0026X issue: 2 \[Current\]](#)
- [IECEX ETL 13.0031X issue: 0 \[Current\]](#)
- [IECEX ETL 13.0031X issue: 1 \[Current\]](#)
- [IECEX ETL 13.0045X issue: 0 \[Current\]](#)
- [IECEX ETL 13.0045X issue: 1 \[Current\]](#)
- [IECEX ETL 13.0045X issue: 2 \[Current\]](#)

▼ ITS

7

- [IECEX ITS 14.0036X issue: 0 \[Current\]](#)
- [IECEX ITS 16.0045X issue: 0 \[Current\]](#)
- [IECEX ITS 16.0045X issue: 1 \[Current\]](#)
- [IECEX ITS 16.0067X issue: 0 \[Current\]](#)
- [IECEX ITS 16.0067X issue: 1 \[Current\]](#)
- [IECEX ITS 17.0002X issue: 0 \[Current\]](#)
- [IECEX ITS 18.0005X issue: 0 \[Current\]](#)

▼ UL

9

- [IECEX UL 16.0115 issue: 0 \[Current\]](#)
- [IECEX UL 16.0154 issue: 0 \[Current\]](#)
- [IECEX UL 16.0167X issue: 0 \[Current\]](#)
- [IECEX UL 16.0168 issue: 0 \[Current\]](#)
- [IECEX UL 16.0168 issue: 1 \[Current\]](#)
- [IECEX UL 16.0168 issue: 2 \[Current\]](#)
- [IECEX UL 17.0003 issue: 0 \[Current\]](#)
- [IECEX UL 17.0005 issue: 0 \[Current\]](#)
- [IECEX UL 17.0082 issue: 0 \[Current\]](#)

28

Comment:

4-4-2018 Three month extension granted to allow for ISO9001 to be installed.

No ISO held at Wylie site.

Alternate manufacturing sites have been removed. These now fall under Bayco quality system, clause 7.4.1 Purchasing process of 80079-34.

Attachment:

QUALITY ASSURANCE NOTIFICATION



Intertek

Valued Quality. Delivered.

QUALITY ASSURANCE NOTIFICATION

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU

Manufacturers Notification Number: ITS13ATEXQ7761/05

Explosion Protection concept(s) covered by this Notification: See Schedule 1

Manufacturer: **Bayco Products, Inc.**

Intertek Testing and Certification Limited, Notified Body No. 0359 for Annexes IV and VII in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, confirms that the manufacturer has a quality system which complies with Annex IV of the Directive.

Full details of the Audit are held on file: G10340241

This Notification may be withdrawn if the manufacturer no longer satisfies the requirements of Annex IV. Periodic inspection form part of this Notification.

This Notification is valid until **17 July 2018** and can be withdrawn if the manufacturer does not satisfy the quality assurance re-assessment.

The CE marking shall be followed by the identification number 0359 identifying the Notified Body involved in the production control stage required by Article 16 of the Directive 2014/34/EU.

This Notification may only be reproduced in its entirety and without any change, Schedule included.

P Moss
Certification Officer
9th April 2018

Intertek Intertek Intertek Intertek Intertek Intertek

QUALITY ASSURANCE NOTIFICATION



Intertek

Valued Quality. Delivered.

Manufacturers Notification Number: ITS13ATEXQ7761/05

Schedule 1

Explosion Protection Concepts for which the Manufacturer has been assessed:

Intrinsic Safety 'Ex i'
Inherently safe optical radiation 'op is'

Equipment Types for which the Manufacturer has been assessed

Portable Flashlights

History of this revision:

ITS13ATEXQ7761;	Dated 28 March 2013 original.
ITS13ATEXQ7761/01;	Dated 17 April 2014.
ITS13ATEXQ7761/02;	Dated 01 May 2015.
ITS13ATEXQ7761/03;	Dated 09 June 2016.
ITS13ATEXQ7761/04;	Re assessment Audit carried out on 20 th and 21 st March 2017.
ITS13ATEXQ7761/0 5;	Three-month extension granted

This Certificate is the property of Intertek Testing and Certification Ltd and is subject to Intertek Testing and Certification's Conditions for Granting Certification

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.



Ex Certificate of Conformity

Model with Assessment of Quality Management System of Production Process and Test on Product

Certificate N°:

NCC 18.0110 X

issue n°.: 1

Initial issued date:

06/09/2018

Certificate valid only accompanied of pages 1 through 4

Validity date:

06/09/2021

Applicant:

Bayco Products Inc.

Product:

Lanterna, *Nightstick* XPP-5566 e *Nightstick* XPR-5568

Trademark

N/A

Main type of protection:

i, op is

Marking:

Ex ia op is I Ma
Ex ia op is IIC T3 Ga
(- 20 °C ≤ T_{amb} ≤ + 40 °C)

Approved for issue in conformity with rule and applicable standards
Certification body:

Technical Manager

Certificate issued in according to Brazilian requirements attached to INMETRO's Rule n°. 179 issued on May 18th, 2010, n°. 270 issued on May 21th, 2011 and n°. 89 issued on May 23th, 2012

1. This certificate 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 website of the Inmetro.
4. This certificate of conformity was issued by a certification body accredited by CGCRE.





Ex Certificate of Conformity

Model with Assessment of Quality Management System of Production Process and Test on Product

Certificate N°:

NCC 18.0110 X

issue n°.: 1

Initial issued date:

06/09/2018

Certificate valid only accompanied of pages 1 through 4

Manufacturer:

Bayco Products Inc.

Additional manufacturing locations:

N/A

This certificate is issued as verification that samples, representative of production, were assessed and tested and found to comply with the standards listed below and that the manufacturer's quality management system, relating to the Ex products covered by this certificate, was assessed and found to comply with the Inmetro Regulation. This certificate is granted subject to the conditions as set out in Inmetro Rules.

STANDARDS:

The product and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with following standards:

The standards listed does not refer to the certified Ex equipment and components used in the whole assembly.

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

TEST AND ASSESSMENT REPORTS:

Samples of the product(s) listed have successfully met the examination and test requirements as recorded in:

Test report(s):

GB/EMT/ExTR17.0013/00 (UL – 11/09/2017)

US/UL/ExTR17.0093/00 (UL – 03/11/2017)

Audit report / Quality Assessment Report.



Ex Certificate of Conformity

Model with Assessment of Quality Management System of Production Process and Test on Product

Certificate N°:

NCC 18.0110 X

issue n°.: 1

Initial issued date:

06/09/2018

Certificate valid only accompanied of pages 1 through 4

CONDITIONS OF CERTIFICATION:

This certificate is valid only for the model of product identical to effectively tested. Any changes in the project, and the use of components and / or materials different from those defined by the descriptive documentation of the product, without the prior permission of the NCC, will invalidate this certificate.

The user is responsible for ensuring that the product must be installed / used according the manufacturer's instructions and the relevant standards in electrical installations in explosive atmospheres.

The installation activities, inspection, maintenance, repair, overhaul and recovery of equipment are the responsibility of users and must be implemented in accordance with the requirements of current technical standards and manufacturer's recommendations.

This certification process is related to applicant who is not legally established in Brazil, but has a legal representative in this country, who is responsible to meet to items 7 and 10.1 of Inmetro Regulation No. 179 (May 18th, 2010).



Ex Certificate of Conformity

Model with Assessment of Quality Management System of Production Process and Test on Product

Certificate Nº: **NCC 18.0110 X** issue nº.: 1

Initial issued date: **06/09/2018** Certificate valid only accompanied of pages 1 through 4

DESCRIPTIVE CONTROLLED DOCUMENTS OF THE PRODUCT (CONFIDENTIAL):

Table 1

Identification	Issue	Identification	Issue	Identification	Issue
5562-68-MECH-DWG1-01	A	5562-68-MECH-DWG1-02	A	5562-68-MECH-DWG1-03	A
5562-68-MECH-DWG1-04	A	5562-68-MECH-DWG1-05	A	5562-68-MECH-DWG1-06	A
5562-68-MECH-DWG1-07	A	5562-68-MECH-DWG1-08	A	5562-68-MECH-DWG1-09	A
5562-68-MECH-DWG1-10	A	5562-68-MECH-DWG1-11	A	5562-68-MECH-DWG1-12	A
5568-CERT-DWG1-01	A	5568-ELEC-DWG1-01	A	5568-GENL-DWG1-00	A
5568-CERT-DWG1-02	A	5568-CERT-DWG1-03	A	5566-68-ELEC-DWG1-02	A
5566-68-ELEC-DWG1-03	A	5566-68-ELEC-DWG1-04	A	5566-68-ELEC-DWG1-05	A
5566-68-ELEC-DWG1-06	A	5566-68-ELEC-DWG1-07	A	5566-68-ELEC-DWG1-08	A
5566-68-ELEC-DWG1-09	A	5566-68-ELEC-DWG1-10	A	5566-68-ELEC-DWG1-11	A
INS-XPP-5566-17B	05-07-2018	INS-XPR-5568-17B	05-07-2018	5568-ELEC-DWG2-02	A
5568-ELEC-DWG2-03	A				

TECHNICAL CONFORMITY ASSESSMENT REGISTER AND DETAILS OF CERTIFICATE ISSUES:

Table 2

Revision	Revision date	Certificate	Process	BPM
0	06/09/2018	NCC 18.0110 X	48177/18.1	451212
1	19/11/2018	NCC 18.0110 X	48177/18.1.Rev1	465053