



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX UL 16.0168** Page 1 of 4 [Certificate history:](#)  
Status: **Current** Issue No: 3 [Issue 2 \(2018-01-12\)](#)  
Date of Issue: 2020-01-31 [Issue 1 \(2017-05-31\)](#)  
[Issue 0 \(2016-12-30\)](#)  
Applicant: **Bayco Products, Inc.**  
640 S. Sanden Blvd.  
Wylie, TX 75098  
**United States of America**  
Equipment: **Multifunction Flashlight - Nightstick XPR-5542GMX**  
Optional accessory:  
Type of Protection: **Intrinsic safety "ia"**  
Marking: Ex ia IIC T4 Gb  
-20°C to +40°C

Approved for issue on behalf of the IECEx  
Certification Body:

**Katy A. Holdredge**

Position:

**Senior Staff Engineer**

Signature:  
(for printed version)

Date:

2020-01-31

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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**UL LLC**  
**333 Pfingsten Road**  
**Northbrook IL 60062-2096**  
**United States of America**





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

Additional  
manufacturing  
locations:

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 equipment 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** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-11:2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

This Certificate **does not** indicate compliance with 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 Reports:

[US/UL/ExTR16.0194/00](#)  
[US/UL/ExTR16.0194/03](#)

[US/UL/ExTR16.0194/01](#)

[US/UL/ExTR16.0194/02](#)

Quality Assessment Report:

[GB/ITS/QAR13.0005/06](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Model Nightstick XPR-5542GMX is a multifunction flashlight that is portable, hand-held, containing two LEDs and is powered by a rechargeable Li-ion battery pack Part No. Nightstick 5500-BATT. The device is provided in a green enclosure, both with black aluminum steel bezel and bottom screw on cap that is magnetic, clear lens and black pushbuttons.

**Please see Annex for additional information.**

**SPECIFIC CONDITIONS OF USE: NO**



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## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Issue 1: Minor component changes.

Issue 2: Minor changes to the circuit board construction were made, a new manual was submitted, and the product was updated from EPL Ga to EPL Gb.

Issue 3: Manufacturer supplied an alternate component and a revised battery pack.

## **Annex:**

[Annex to IECEx UL 16.0168 Issue 3.pdf](#)



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## PARAMETERS RELATING TO THE SAFETY

Um = 4.75V

## MARKING

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

 <b>LISTED</b> E 467756 ID 4008947 INTRINSICALLY SAFE SÉCURITÉ INTRINSÈQUE	<b>Bayco Products, Inc. XPR-5542</b> <b>Wylie, TX 75098</b> Ex ia FLASHLIGHT FOR USE IN HAZARDOUS LOCATIONS UL listed for use with Bayco Li-ion Battery Pack 5500-BATT CLASS I DIV 1 GRPS A-D T4 CLASS II & III DIV 1 GRPS E-G CLASS I ZONE 0 GRP IIC T4 CLASS II ZONE 20 IIC T135°C Ⓜ II 2 G Ex ia IIC T4 Gb	Ex ia IIC T4 Gb DEMKO 16 ATEX 1815 IECEx UL 16.0168 -20°C ≤ Tamb ≤ +40°C 3.7V/Cell 5500-BATT Um = 4.75V
 0359	 SEE INSTRUCTION MANUAL VOIR MANUEL	MFG MM-YY