



# 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 20.0080** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-07-31

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

Equipment: **Headlight, Models Nightstick XPR-5554G, Nightstick XPR-5554GC**

Optional accessory:

Type of Protection: **Intrinsic Safety "ia"**

Marking: Ex ia IIC T4 Ga  
-20°C ≤ Tamb ≤ +40°C

Approved for issue on behalf of the IECEx  
Certification Body:

**Erin LaRocco**

Position:

**Staff Engineer**

Signature:  
(for printed version)

*Erin LaRocco*

Date:

2020-07-31

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 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**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 Report:

[US/UL/ExTR20.0087/00](#)

Quality Assessment Report:

[GB/ITS/QAR13.0005/07](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Models Nightstick XPR-5554G and XPR-5554GC are intrinsically safe LED headlamps containing two LEDs, which are powered by one rechargeable Li-ion battery pack Part No. 5554-BATT. The device contains a non-metallic enclosure which contains three printed circuit boards, two push buttons and a headband.

Model No. XPR-5554GC is similar to Model No. XPR-5554G, where the only difference is Model XPR-5554GC is supplied with helmet clips. Both models of the of the headlight are electrically identical.

**Please see Annex for additional information.**

**SPECIFIC CONDITIONS OF USE: NO**

## **Annex:**

[Annex to IECEx UL 20.0080 Issue 0.pdf](#)



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## PARAMETERS RELATING TO THE SAFETY

Um = 4.2 V

Only power the device with one Bayco Part No. 5554-BATT battery pack.

## MARKING

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

 <b>LISTED</b> E 467756 ID 5012927 INTRINSICALLY SAFE SECURITE INTRINSEQUE	<b>Bayco Products, Inc. XPR-5554GC</b> <b>640 S. Sanden Blvd., Wylie, TX 75098</b> Ex ia FLASHLIGHT FOR USE IN HAZARDOUS LOCATIONS For use with Bayco Li-ion Battery Pack 5554-BATT CLASS I DIV 1 GRPS A-D T4 CLASS II & III DIV 1 GRPS E-G T135°C CLASS I ZONE 0 AEx ia IIC T4 Ga Ⓢ II 1 G Ex ia IIC T4 Ga	Ex ia IIC T4 Ga UL 20 ATEX 2400 IECEx UL 20.0080 -20°C ≤ Tamb ≤ +40°C 3.7V/Cell 5554-BATT Um 4.2V
  SEE INSTRUCTION MANUAL VOIR MANUEL	<b>MFG MM-YY</b>	