



# 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 20.0036** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-05-27

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

Equipment: **Headlight, Nightstick XPR-5562GX**

Optional accessory:

Type of Protection: **Intrinsic safety "ia", Inherently safe optical radiation "op is"**

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

Approved for issue on behalf of the IECEx  
Certification Body:

**Katy A. Holdredge**

Position:

**Senior Staff Engineer**

Signature:  
(for printed version)

Date:

2020-05-27

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

**IEC 60079-28:2015** Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation  
Edition:2

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/ExTR20.0037/00](#)

Quality Assessment Report:

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



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**EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Model Nightstick XPR-5562GX is an intrinsically safe LED headlight containing two LEDs, which is powered by one rechargeable Li-ion battery pack Part No. 5562-BATT. The device contains two non-metallic enclosures which contains three printed circuit boards connected by a cable, two black push buttons and a headband.

**Please see Annex for additional information.**

**SPECIFIC CONDITIONS OF USE: NO**

**Annex:**

[Annex to IECEx UL 20.0036 Issue 0.pdf](#)



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## PARAMETERS RELATING TO THE SAFETY

Um = 4.2 V

Only power the device with one Bayco part number 5562-BATT battery pack.

## MARKING

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

 E 467756 ID 4003544 INTRINSICALLY SAFE SECURITE INTRINSEQUE	<b>Bayco Products, Inc. XPR-5562GX</b> <b>640 S. Sanden Blvd., Wylie, TX 75098</b> Ex ia FLASHLIGHT FOR USE IN HAZARDOUS LOCATIONS UL listed for use with Bayco Li-ion Battery Pack 5562-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 op is IIC T4 Ga ⊕ II 1 G Ex ia op is IIC T4 Ga	Ex ia op is IIC T4 Ga DEMKO 20 ATEX 2267 IECEX UL 20.0036 -20°C ≤ Tamb ≤ +40°C 3.7V/Cell 5562-BATT Um 4.2V
 0359	WARNING: Do not charge battery in a hazardous location WARNING: Do not replace battery when an explosive atmosphere is present	
 SEE INSTRUCTION MANUAL VOIR MANUEL		MFG MM-YY