

EU-TYPE EXAMINATION

CERTIFICATE

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

1. **EU-Type Examination Certificate Number:** ETL24ATEX0415X **Issue 00**
2. **Product:** LED Headlight, XPR-5552G and XPR-5552R
3. **Manufacturer:** Bayco Products, Inc.
4. **Address:** 640 S. Sanden Blvd.
Wylie, TX 75098
USA
5. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
6. Intertek Testing Services NA Ltd., Notified Body number 2903 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II of the Directive.
7. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018 and EN 60079-11:2012 except in respect of those requirements referred to within item 14 of the Schedule.
8. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.
9. 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 this certificate.
10. The marking of the product shall include the following:

II 1 G Ex ia IIC T4 Ga



II 1 D Ex ia IIC T180C Da

-10°C ≤ Ta ≤ 40°C

Certification Officer:



Todd L Relyea

Date:

21 August 2025

SCHEDULE:

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11. Description of Equipment or Protective System

The product covered by this report is a LED Intrinsically Safe Headlight. The printed circuit boards and components are mechanically captive by the design of the housing. The equipment is powered by a secondary lithium battery, nominal voltage: 3.7V. The equipment is only charged in a non-hazardous (safe) area. Model number suffixes R (red) and G (green) represent two different housing colors. The headlight has been separately tested against the requirements of IEC 60529 and it meets IP67.

12. Report Number

Intertek Report: 105663145DAL-002 Issue: 0 Dated: 1st August, 2025.

13. Special Conditions of Certification

(a). Special Conditions of Use

- XPR-5552 to be used only with 3.7 V nominal, powered battery pack 5554-BATT.
- See Instruction Manual for Warnings

(b). Conditions of Manufacture - Routine Tests

- N/A

14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 105663145DAL-002 Issue: 0 Dated: 1st August, 2025.

15. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Instruction Manual XPR-5552G	INS-XPR-5552-LG-24	N/A	08-26-2024
5552 FLASH LIGHT	5552-ELEC-DWG1-01 GEN ELECT	A	07/02/2025
XPR-5552 FLASH LIGHT	5552-CERT-DWG1-02 MAST CERT	A	07/02/2025
XPR-5552 HEAD LIGHT	5552-CERT-DWG1-03 CERT	A	07/02/2025
XPR-5552 CONFORMAL ACR-04	5552-DWG1-01 FLASHLIGHT	A	04/01/2025
XPR-5552 CONFORMAL SI-05	5552-DWG1-01 FLASHLIGHT	A	04/01/2025
5552 FLASH LIGHT	5552-ELEC-DWG1-06 BLK DIAG	A	04/01/2025
XPR-5552-MAIN-07	5552--ELEC-DWG1-07 SCHEMATIC	A	07/02/2025
5552 FLASH LIGHT	5552-ELEC-DWG1-08 BATT-PACK	A	05/08/2024
5552 FLASH LIGHT	5552-ELEC-DWG1-09 PCB LAYOUT	A	04/01/2025
XPR-5552 ENCAPSULATE-10	5565-DWG1-01 FLASHLIGHT	A	04/01/2025
5552 FLASH LIGHT	5552-ELEC-DWG1-11 ENCAP2	A	04/01/2025
5552 FLASH LIGHT	5552-REV-DWG1-11	A	07/02/2024
5552 IS MULTI-FUNCTION HEADLAMP MECHANICAL	5552-MECH-DWG1-01	B	Jun 03, 2024
5552 IS MULTI-FUNCTION HEADLAMP MECHANICAL	5552-MECH-DWG1-02	B	Jun 03, 2024
5552 IS MULTI-FUNCTION HEADLAMP MECHANICAL	5552-MECH-DWG1-03	B	Jun 03, 2024
5552 IS MULTI-FUNCTION HEADLAMP MECHANICAL	5552-MECH-DWG1-04	B	Jun 03, 2024
5552 IS MULTI-FUNCTION HEADLAMP MECHANICAL	5552-MECH-DWG1-05	B	Jun 03, 2024