



[1]

UNITED KINGDOM CONFORMITY ASSESSMENT
UK-TYPE EXAMINATION CERTIFICATE

[2]

**Product or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1**

[3]

UK-Type Examination Certificate No.: **UL22UKEX2431 Rev. 0**

[4]

Product: **Headlight, Models Nightstick XPR-5554G and Nightstick XPR-5554GC**

[5]

Manufacturer: **Bayco Products Inc.**

[6]

Address: **640 S. Sanden Blvd., Wylie, TX 75098 USA**

[7]

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

[8]

UL International (UK) Ltd, Approved Body number 0843, in accordance with Regulation 44 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this 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 Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential report **UKRCC-4789874942.4-UL22UKEX2431**.

[9]

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

EN IEC 60079-0:2018 EN 60079-11:2012

Except in respect of those requirements listed at section 19 of the schedule to this certificate.

[10]

If the sign “X” is placed after the certificate number, it indicates that the product is subject to specific conditions of use specified in the schedule to this certificate.

[11]

This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12]

The marking of the product shall include the following:

 **II 1 G Ex ia IIC T4 Ga**

Certification Manager

Andrew Moffat

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 UKEx 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 Regulations. 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: 2022-05-20

Approved Body

UL International (UK) Ltd Unit 1-3 Horizon Kingsland Business Park Wade Road, Basingstoke RG24 8AH, UK
Phone : +44 (0)1256 312100



[13]

[14]

Schedule

UK-TYPE EXAMINATION CERTIFICATE No.

UL22UKEX2431 Rev. 0

[15] Description of Product

Models Nightstick XPR-5554G and XPR-5554GC are intrinsically safe LED headlights 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.

The Model No. XPR-5554GC is electrically identical to the Model No. XPR-5554G, where the only difference is that the Model XPR-5554GC is supplied with helmet clips.

Performance testing

The optical radiation output of the product with respect to explosion protection, according to Schedule 1 clause 16 of the Regulation 2016 No. 1107 (as amended by UKSI 2019:696) is not covered in this certificate.

Temperature range

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

Electrical data

Intrinsically safe specifications:

U_m : 4.2 V

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

Routine tests

None.

[16] Test Report No. (associated with this certificate issue)
US/UL/ExTR20.0087/01.

[17] Specific conditions of use:
None

[18] Conditions of certification:
None

[19] Essential Health and Safety Requirements (Regulations Schedule 1)
In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

Additional information

The XPR-5554G and XPR-5554GC have in addition passed the tests for Ingress Protection to IP 20 in accordance with EN60529:1991+A1:2000+A2:2013.

The manufacturer shall inform the approved body concerning all modifications to the technical documentation as described in Annex III to UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1.

[13]

[14]

Schedule
UK-TYPE EXAMINATION CERTIFICATE No.
UL22UKEX2431 Rev. 0

[20]

Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Instruction Manual	INS-XPR-5554-DL-22	-	2022-04-26
5554 IS Multi-function Angle Light General Top Level Design File	5554-GENL-MAST-01	B	2022-04-26
5554 Rech. I.S. Multi-Func. D-Light H-Lamp Mechanical Specifications	5554-MECH-DWG1-01	B	2020-05-12
5554 Rech. I.S. Multi-Func. D-Light H-Lamp Chemical / Battery Pack Cover Sheet	5554-CHEM-DWG1-01	B	2020-05-12

