

UK-TYPE EXAMINATION CERTIFICATE

Product or Protective Systems Intended for Use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1

- UK-Type Examination** ITS21UKEX0267X Issue 00
Certificate Number:
- Product:** I.S. LED Rechargeable Dual Task Light (XPP-5522GMX)
- Manufacturer:** Bayco Products, Inc.
- Address:** 640 Sanden Blvd
Wylie, TX 75098
USA
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Intertek Testing and Certification Limited, Approved Body number 0359, in accordance with Regulation 42 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 104092972DAL-023.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN IEC 60079-0: 2018, EN 60079-11: 2012 and EN 60079-28:2015 except in respect of those requirements referred to within item 14 of the Schedule.
- 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.
- 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.
- The marking of the product shall include the following:



II 1 G

Ex ia op is IIC T3 Ga

-20°C ≤ Ta ≤ +40°C

Certification Officer: _____



Todd L. Relyea

Date: _____

21 July 2022

SCHEDULE:

UK-Type Examination Certificate Number: ITS21UKEX0267X Issue 00

11. Description of Product or Protective System

The product covered by this certificate is a portable I.S. Dual-Light Rechargeable Flashlight. It consists of a flashlight and a floodlight. The user can operate either light independent of the other so that the user has the appropriate pattern of light for whatever the task at hand is. Both lights can also be turned on simultaneously in a dual-light mode. The Nightstick dual task light is powered by one rechargeable lithium battery of 3.8V (Samsung ICR18650-26F) which is inside a battery pack. Battery is the only source of power to the dual task light. Battery is charged using a charging station in a non-hazardous area. Charging station is not a part of evaluation and there are appropriate warnings that state that the product shall be charged in the non-hazardous area.

The entity parameters of the charging contacts of the flashlight are as follows:

$U_i = 4.75V$, $I_i = 500mA$, $L_i = 0.0 \mu H$, $C_i = 0.0 \mu F$, $P_i = 0.59W$

CE Marking shall be accompanied by the identification number of the Notified Body responsible for surveillance of production.

12. Report Number

Intertek Report: 104092972DAL-023 Dated: December 06, 2021.

13. Special Conditions of Certification

(a). Special Conditions of Use

- The capacitance measure on two magnets and side clip exceeds 3pF for Group IIC. Follow are the values of measured capacitance. The user shall determine the suitability of the equipment in the end application.

| Metal Part | Measured Capacitance in pF |
|---------------------------------|----------------------------|
| Magnet on the base of enclosure | 4.03 |
| Magnet on the side of enclosure | 3.1 |
| Side Clip on enclosure | 4.3 |

(b). Conditions of Manufacture - Routine Tests

None.

14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 104092972DAL-023 Dated: December 06, 2021.

15. Drawings and Documents

| Title: | Drawing No.: | Rev. Level: | Date: |
|---|-------------------|-------------|------------|
| Certification Master Design File (Total sheets=3) | 5522-CERT-DWG1-01 | C | 10/01/2019 |
| Electrical Master Design File (Total sheets = 10) | 5522-ELEC-DWG1-01 | C | 10/01/2019 |
| Mechanical Master Design File (Total sheets=8) | 5522-MECH-DWG1-01 | B | 01/23/2017 |



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. This Certificate is accredited under UKAS schedule 0010

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