

EU-Type Examination Certificate



Intertek

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1. **EU-TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**
3. **EU-Type Examination Certificate Number: ITS16ATEX201022X Issue 0**
4. **Product:** I.S. LED Rechargeable Dual Task Light, model XPR-5522GM
5. **Manufacturer:** Bayco Products, Inc.
6. **Address:** 640 S. Sanden Blvd., Wylie, TX 75098, U.S.A.
7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
8. Intertek Testing and Certification Limited, Notified Body number 0359 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 to the Directive.

The examination and test results are recorded in confidential Intertek Report 101654960DAL-002 Issue 0 dated 24th June 2016.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012, EN 60079-11:2012 and EN 60079-28:2007 except in respect of those requirements referred to at item 16 of the Schedule.
10. If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Safe Use specified in the Schedule to this certificate.
11. 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.
12. The marking of the product shall include the following:



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-10°C ≤ Ta ≤ +40°C, IP54

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A M Smart
Certification Officer
12 August 2016

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SCHEDULE

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13. Description of Equipment 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. 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:

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

14. Report Number

Intertek Report Ref: 101654960DAL-002, Issue: 0, Dated: 24th June 2016

15. Special Conditions of Certification

(a). Specific Conditions of Safe Use

The capacitance on two magnets and the side clip exceeds 3pF for Group IIC.

The user shall determine the suitability of the equipment in the end application. The capacitance measured was as follows:

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

None

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16. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report Ref: 101654960DAL-002 – ATEX EHSR Checklist, Issue: 0, Dated: 24th June 2016.

17. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Top Level Design File (Total sheets = 1)	5522-GENL-MAST-00	A	02/15/2015
Certification Master Design File (Total sheets=3)	5522-CERT-DWG1-01	A	02/15/2015
Electrical Master Design File (Total sheets = 10)	5454-ELEC-DWG1-01	A	02/15/2015
Mechanical Master Design File (Total sheets=8)	5454-MECH-DWG1-01	A	02/15/2015

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