



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx ITS 16.0045X Issue No: 0 Certificate history:  
Issue No. 0 (2016-08-12)

Status: **Current** Page 1 of 3

Date of Issue: **2016-08-12**

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

Equipment: **I.S. LED Rechargeable Dual Task Light, model XPR-5522GM**  
*Optional accessory:*

Type of Protection: **Ex ia, Ex op is**

Marking:  
Ex ia op is IIC T3 Ga  
-10°C ≤ Ta ≤ +40°C, IP54  
IECEX ITS 16.0045X

Approved for issue on behalf of the IECEx  
Certification Body:

A M Smart

Position:

Certification Officer

Signature:  
(for printed version)

Date:

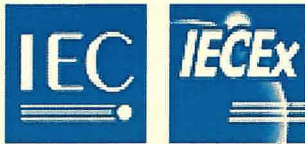
2016-08-12

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Intertek Testing & Certification Limited**  
ITS House, Cleeve Road,  
Leatherhead,  
Surrey, KT22 7SB  
United Kingdom





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

Additional Manufacturing  
location(s):

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 electrical apparatus 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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-11 : 2011</b> Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
<b>IEC 60079-28 : 2006-08</b> Edition:1	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

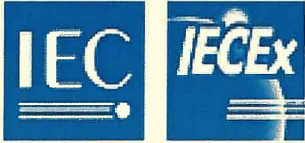
*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

#### Test Report:

GB/ITS/ExTR16.0046/00

#### Quality Assessment Report:

GB/ITS/QAR13.0005/03



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

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

### CONDITIONS OF CERTIFICATION: YES as shown below:

The capacitance of 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