



# Instruction Manual Intrant® XPP-5566

US PATENT 9,713,217 & 10,119,663

Please read these instructions before using your Nightstick XPP-5566 Intrinsically Safe Multi-Function Angle Light with Articulating Head. They include important safety information and operating instructions.

## THE XPP-5566 IS APPROVED FOR USE

### Bayco Products, Inc. XPP-5566



Ex ia FLASHLIGHT FOR USE IN HAZARDOUS LOCATIONS  
For use with Bayco Li-ion Battery Pack 5568-BATT or 5566-CARRIER with 3 AA Energizer Type EN91 or E91 batteries only

E 467756  
ID 4003544  
ELECTRICAL SAFETY  
INTRINSICALLY SAFE  
SECURITE INTRINSEQUE

CLASS I DIV 1 GRPS A-D T3  
CLASS II & III DIV1 GRPS E-G T135°C  
CLASS I ZONE 0 AEx ia IIC T3 Ga  
⊕ I M1 Ex ia op is I Ma  
⊕ II 1 G Ex ia op is IIC T3 Ga

Ex ia op is I Ma  
Ex ia op is IIC T3 Ga  
DEMKO 17 ATEX 1927  
IECEx UL 17.0082  
-20°C ≤ Tamb ≤ +40°C  
1.5V/Cell Alkaline  
3.7V/Cell Li-ion  
IP-67  
Um: 10V



Control Drawing: 5568-CERT-DWG1-03

## WARNINGS - INTRINSICALLY SAFE

- WARNING: Use only the approved Nightstick 5568-BATT Lithium-ion rechargeable battery pack or the approved non-rechargeable batteries listed in special condition of use in bullet 4.
- WARNING: To prevent ignition of a hazardous atmosphere, do not open any part or attempt to exchange any of the supplied battery packs while in the hazardous environment. This task must ONLY be performed in an area known to be non-hazardous.
- Warning: To prevent ignition of a hazardous atmosphere, the approved Nightstick 5568-BATT Lithium-ion rechargeable battery pack must only be charged in an area known to be non-hazardous.
- WARNING: When using non-rechargeable batteries in the Nightstick 5566-CARRIER, use only **Energizer EN91** or **Energizer E91** batteries.
- WARNING: To prevent ignition of a hazardous atmosphere, non-rechargeable AA batteries must only be changed in an area known to be non-hazardous.
- WARNING: To reduce the risk of explosion, do not mix new non-rechargeable batteries with used non-rechargeable batteries, or mix non-rechargeable batteries from different manufacturers.
- WARNING: Substitution of components may impair intrinsic safety.
- WARNING: This equipment could be susceptible to electrostatic charge as it measured capacitance of 4 pF from external metal parts to earth.

## SPECIAL INSTRUCTIONS FOR INTRINSIC SAFETY

- For personal safety, always confirm the rating of any known hazardous or potentially hazardous location where the Angle Light is to be used.
- Only devices directly connected to apparatus complying with the IEC 60950 series are allowed.

## STROBE WARNING

Exposure to strobing lights may cause dizziness, disorientation, and nausea. A very small percentage of people suffer from photosensitive epilepsy and may experience seizures or blackouts triggered by strobing lights.

## POWERING THE XPP-5566

The XPP-5566 Intrinsically Safe Light is powered by the Nightstick 5566-CARRIER Non-Rechargeable Battery Carrier and 3 - AA **Energizer EN91** or **Energizer E91** Batteries. The 5566 is sold only with a primary battery pack. It can be made rechargeable if a secondary battery pack kit is purchased.

**WARNING: Do not use any other type of non-rechargeable battery with this light.**

**WARNING: Do not use rechargeable AA batteries with this light.**

## 5566-CARRIER NON-RECHARGEABLE BATTERY CARRIER

**WARNING: The Nightstick 5566-CARRIER Non-Rechargeable Battery Carrier is a proprietary shape and design and will only fit in the XPP-5562, XPR-5564, XPP-5566 and XPR-5568 Angle Lights. Do not attempt to use this battery pack in any other light. Do not attempt to use any other battery pack in this light.**

- The Nightstick 5566-CARRIER Non-Rechargeable Battery Carrier is designed to fit 3 AA batteries. In order to maintain the XPP-5566's Intrinsically Safe Permissible rating, the only AA batteries certified for use with this light are the **Energizer EN91** or **Energizer E91**.
- Do not attempt to use any other brand or model of AA batteries with this light.
- Do not attempt to use any type of rechargeable AA batteries with this light.

### Removing the Non-Rechargeable Battery Carrier

**WARNING: To prevent ignition of a hazardous atmosphere, do not open the battery compartment in the hazardous environment. This task must ONLY be done in an area known to be non-hazardous.**

- To access the 5566-CARRIER Non-Rechargeable Battery Carrier, unscrew the screw located on the Battery Compartment Door on the base of the light.

**NOTE: The Battery Compartment Door Screw utilizes a design that prevents the screw from falling out of the door. Do not attempt to remove the screw.**

- Open the Battery Compartment Door with enough clearance to allow the 5566-CARRIER Non-Rechargeable Battery Carrier to slide out.

### Installing or replacing the batteries

- Begin by positioning the 5566-CARRIER Non-Rechargeable Battery Carrier with the arrow pointing to the left.
- Using 3 - AA **Energizer EN91** or **Energizer E91** (make sure that all 3 batteries are of one or the other model...do not use a combination of the two), install the batteries per the diagram located on the base of the battery carrier.
- Take care not to bend any of the battery contact springs, and to make sure that all 3 batteries are properly seated before installing into the angle light.

**NOTE: The battery carrier cover will only fit one way. It is not possible to install it in a reversed position.**

The Nightstick 5566-CARRIER Non-Rechargeable Battery Carrier is ready to install into the Angle Light. Installation of the 5566-CARRIER Non-Rechargeable Battery Carrier into the Angle Light is the same as installing the 5568-BATT Lithium-ion Battery Pack. Please see the instructions listed above in the 5568-BATT LITHIUM-ION RECHARGEABLE BATTERY PACK section.

### Installing the Non-Rechargeable Battery Carrier

- With the Battery Compartment Door opened enough to provide clearance, insert the 5566-CARRIER Non-Rechargeable Battery Carrier with the end having the metal contacts on it being inserted first.
- With the battery carrier fully inserted into the handle of the light, close the Battery Compartment Door and secure it in place with the Battery Compartment Door Screw.

**WARNING: Do not over-tighten the Battery Compartment Door Screw.**

## OPERATION

**THE XPP-5566 HAS 8 SEPARATE LIGHTING MODES:**

### Flashlight Modes

To activate the Flashlight, press and release the Flashlight Switch. The default mode will be High-brightness. To select the brightness level for the Flashlight, press and hold the Flashlight Switch. The flashlight will cycle from high to medium to low at a rate of approximately one mode per second. The light will continue to cycle through the various modes as long as the switch is held down. When the desired brightness level is reached, release the Flashlight Switch and the light will remain in that brightness mode. To turn the Flashlight off, press and release the Flashlight Switch one more time.

### Strobe

To activate the Strobe, double click the Flashlight Switch. To turn the Strobe off, press and release the Flashlight Switch one more time.

### Floodlight Modes

To activate the Floodlight, press and release the Floodlight Switch. The default mode will be High-brightness. To select the brightness level for the Floodlight, press and hold the Floodlight Switch. The floodlight will cycle from high to medium to survival at a rate of approximately one mode per second. The light will continue to cycle through the various modes as long as the switch is held down. When the desired brightness level is reached, release the Floodlight Switch and the light will remain in that brightness mode. To turn the Floodlight off, press and release the Floodlight Switch one more time.

### Dual-Light Mode

Dual-Light mode allows the user to turn on both the Flashlight and the Floodlight at the same time. Dual-Light mode can be activated by simply pressing the Flashlight Switch and then the Floodlight Switch at the same time. If the Angle Light already has the Flashlight or the Floodlight on (regardless of what brightness mode that light is in), pressing the switch for the light that is NOT on, will activate Dual-Light mode. The user can leave Dual-Light mode and go back to either Flashlight or Floodlight mode simply by pressing the switch for the mode that they wish to turn off. To turn both lights off, simply press each of the switches independently.