

available at BrightGuy.com



Operating and Maintenance Instructions

ENGLISH:

LED Charging Indicators

The LED on the positive end of the battery housing lights up when the cable is correctly installed.

- Charging Red LED is illuminated.
- Fully Charged Green LED is illuminated.

Charge time is approximately 4.5 hours.

IMPORTANT: Maximum charging temperature range is 20°F to 115°F with optimal temperature range between 50°F and 86°F. A safety circuit prevents charging outside the maximum range and the red charge LED will pulse rapidly. When temperature is within an acceptable range charging will resume.

Battery Installation

- See Battery Installation Diagram

Alloy-X uses one 10900 Lithium Rechargeable Battery, as supplied by Princeton Tec. It is also compatible with 2 AAA Alkaline batteries.

When not using Alloy-X, separate the head and tail by turning counterclockwise approximately one turn. This will prevent accidental activation. Remove batteries when storing Alloy-X.

Observe proper battery polarity when installing the batteries. Improper installation of the batteries will damage light and void warranty.

WARNING A

- Never mix fresh and used batteries.
- Never mix different battery brands or chemistry types.
- Always remove drained batteries i mmediately.
- · Remove batteries during long periods of storage.

Switch Operation

- See Figure 2

ON/OFF

With the light off, a full press of the tail switch will produce an audible "click" and the light will turn on. The default is **MEDIUM** output. Another full press will turn the light off.

Brightness Adjustment

From **ON**, a half press of the tail switch will cycle through the three output modes. Default is to turn on in **MEDIUM**. The next half press will produce **LOW** which is then followed by **HIGH** and then a return to **MEDIUM**. The cycle will repeat.

From OFF, a full press will turn the light on the next mode in the cycle. For example, if the light is on in **MEDIUM** and then turned off, the next full press from **OFF** will turn the light on in **LOW**. If the light is turned off, the next click will result in **HIGH**. The cycle will repeat.

Note: If the light is left off more than one minute it will reset to the default which is turning on in **MEDIUM**.

Figure 1 – Battery Replacement Rechargeable Battery ALLOY ALLO

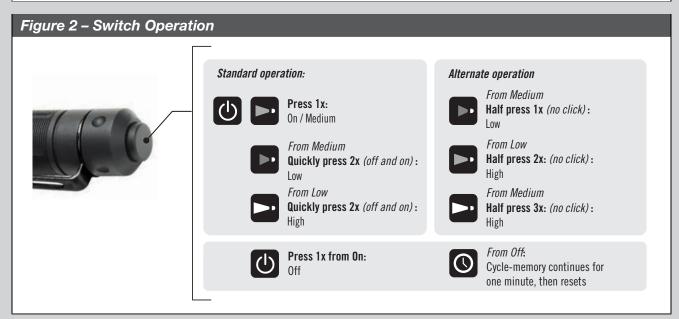


Figure 3 – Performance

Note: performance is based on Princeton Tec rechargeable battery. AAA output will be somewhat lower.

Modes	Lumens	Runtime	Beam Pattern			
SPOT HIGH	400	0.5h				
SPOT MED	250	1.25h				
SPOT LOW	5	28h				
DISTANCE (m)			0	6	50	72

(ANSI FL-1 Standard)

Runtime is defined as the duration of time from the initial light output value—defined as 30 seconds after the point the device is first turned on—using fresh batteries, until the light output reaches 10% of the initial value.

Figure 2 – Charging 2 CHARGING 3 FULLY CHARGED

General Maintenance

- Do not disassemble the sealed head as doing so may cause damage to the flashlight and void the warranty.
- Replace the 0-rings if they become stretched or damaged.
 Regularaly lubricate the 0-rings.
- Clean the contacts of your light periodically

Troubleshooting

If the Alloy-X fails to light:

- Check the battery to see if it needs to be recharged
- Check the batteries for proper installation.
- Replace batteries if proper installation is confirmed.
- Check the PCB board contacts or battery contact for dirt
- Clean the contct points with an alcohol soaked cotton swab.

USA- International 5-Year Warranty

WARRANTY — Princeton Tec warrants this product to be free from defects in workmanship and materials under normal use for 5 years. This warranty covers all of the component parts of the product except batteries. This warranty does not cover deterioration due to normal wear or damage due to misuse, alteration, negligence, accidents, or unauthorized repair. Princeton Tec will repair or replace parts which are defective in workmanship or materials.

Your authorized Princeton Tec Dealer and Princeton Tec are the only facilities authorized to repair the product. After (3) unsuccessful attempts (within the warranty period) to repair the product, you have the right to elect replacement of the product or a refund of the purchase price less allowance for use of the product. NO INCIDENTAL OR CONSEQUENTIAL DAMAGES ARE INCLUDED IN THIS WARRANTY. (Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or

exclusions may not apply to you.) This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Princeton Tec reserves the right to change product specifications without notice.

FOR CALIFORNIA RESIDENTS:

WARNING: This product contains Bisphenol A (BpA) a chemical known to the State of California to cause birth defects or other reproductive harm.

Return Policy

If your light fails to operate, follow these simple steps:

- 1. Check batteries. Replace if necessary.
- To send your light in for repair or replacement, first contact Princeton Tec customer service on 1-800-257-9080 to request an RMA number. Please have your light model, date of purchase and a brief description of the fault you are experiencing. No warranty repairs will be accepted without an RMA number.
- Return the light without batteries to: Princeton Tec, PO Box 8057 Trenton NJ 08650. Postage due and freight collect items will not be accepted.
- Upon receipt your light will be processed in about two weeks. Please allow additional time for return transportation from NJ.

Princeton Tec PO Box 8057, Trenton, NJ 08650 Phone: 609-298-9331 Fax: 609-298-9601 princetontec.com © 2021 Princeton Tec

