



*Thank you for purchasing!*

Welcome to the world of **LED lighting**, comprised of the highest quality materials and craftsmanship, designed to provide long reliable service.

To insure maximum experience and safety, familiarize yourself with ALL aspects of your new light and battery system. Follow battery charging instructions before use as systems are shipped with partially charged batteries.

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1. **Installation**
2. **Battery Usage and Charging**
3. **Light System Operation**
4. **Warranty, Support, Customer Service**

**Caution:**

1. Always unplug the light from the battery when not in use.
2. Use only the supplied charger with the battery.

Failure to follow these cautions will void the warranty and can cause damage to the system.

A lighting system can make riding safer and you more visible, but lights are no substitute for common sense. Ride within your capability with consideration for the riding environment.

**Installation:**

The NB05 comes with mounts for both handlebar and helmet. There are two different sizes of rings to accommodate various sizes of handlebars. When mounting the battery, locate a place that will keep it and the wires protected from kinking or being pinched in the event of a crash or in any other situation.

The light system is designed to be mounted on a handlebar or on the enclosed helmet or head mount. Both mounts will use one of the rubber rings. The battery may also be mounted using the attached Velcro strap. When mounting the battery, insure adequate length of cable between the battery and cable so that full freedom of movement of the mount and does not pull on the battery, light or their connection or cause the wire to become pinched or stressed. When mounting the light, run the wire first over then handlebar and provide an extra half wrap of cable in the even the light is twisted around the handlebar. Excess wire may be wrapped around the handlebar or secured within the Velcro strap.

When using the helmet mount for the light, the battery is designed to be carried in a jacket pocket or a pack that you are wearing.

**CAUTION:** Do not connect a helmet mounted light to a bike mounted battery.

**Headlamp mount:** The headlamp mount may be used for a variety of mounts with the included long Velcro straps. It is designed in such a way that the light is easily removed using the rubber ring similar to mounting on the handlebar.

You may find it advantageous to use both a handlebar mounted light and a head mounted light. The head mount provides the additional safety and flexibility to point the light quickly in any direction your head points.

**Aiming the light:** When using any mounted light, insure that the mounting does not project the beam directly into the eyes of oncoming motorists or cyclists.

A temperature protection circuit will stop the light from overheating, by stepping the output down if the light is left on full with no airflow around it.

**CAUTION**

1. Battery Charger is for use only with the included Li-ion battery pack. Trying to charge other than the included battery pack may cause batteries to catch fire, overheat leak or explode. Do not charge the battery with other approved charger for this model.
2. Do not expose charger to rain or moisture.
3. Although the battery pack may be left on the charger longer than 24 hours without damaging the battery pack, if the battery is not going to be used for an extended period, the battery life and capacity will be better preserved by discharging the battery to approximately half of capacity and then disconnecting and storing. Every 3 to 4 months connect battery to light and use up the remaining capacity in the battery and then charge to 50% capacity before continuing storage.
4. Disconnect the charger when not in use and before connecting or removing batteries from charger.
5. Do not use charger or battery if, the wires or the batteries or charger have become damaged.

**Battery Usage and Charging:**

Charge your battery pack immediately after use. Li-ion batteries do not have a "memory effect" and can be left at full charge, although battery life is extended if you follow CAUTION step #3 above.

1. Plug the battery pack into the charger
2. Connect the charger to the power outlet.
3. The LED on the charger will glow red when the battery is being charged and turn to green when the battery is fully charged.
4. When the charger LED turns green, you may unplug the charger and then remove the battery pack from the charger. Charging a fully depleted battery may take up to 4 hours.

## Light System Operation:

**Operation Modes:** The initial short press of the button will turn the light on High. Each additional short press of the button switches the light from one mode to the next, i.e. High, Medium, Low, Flash

**Turn light off:** Press and hold the button for one to two seconds. If leaving the light unattended, disconnect from the battery.

**Check Battery Level:** With the light attached to the battery, but turned off, press the button for 3 seconds and release. The light will flash from 1 to 10 times indicating the battery level remaining. (10 flashes indicates full).

	High	Medium	Low	Flash
Approx Run Time	2 hours	4 hours	20 hours	
Approx Lumens	400	200	50	400

**Low Battery Level:** The rear light (operation button) will glow red when the battery level is low and the light will automatically turn off when the battery level is too low. This system protects the battery from damage, but since it draws a small amount of current, and can drain the battery beyond the minimum voltage for the battery,

**The light must be disconnected from battery when the button glows red or within 5 minutes of it glowing red. Do not wait until the light goes completely out as this will greatly reduce the number of charge cycles that the battery can be used and can render the battery unusable.**

**Disconnect the battery when not in use or stored.**



## Model No: NB05 Specifications

Type: Bicycle light, Headlamp  
Our patented product, with unique and stylish streamline design, uses CREE XPG ultra bright LED and high efficiency orange peel reflector to provide super bright light; exquisite anodizing and quality workmanship 1x18650 long lasting Li-ion battery provides 3.7V ~2200mAh capacity, and waterproof rubber pack to provide perfect protection, making your night adventure more enjoyable.

1. Waterproof headlamp Brightness: 400LM
2. Low power consumption
3. Material: Aircraft aluminum
4. Finishing: hard -anodized
5. Fluorescent waterproof indicator ring for greater night visibility
6. Color: black LED : CREE XPG R5 ultra bright LED Flux: 400Lumens
7. LED life span: 50,000hours Battery: 1X18650 / 3.7V -2200 mah Li-ion

Battery Discharge Times :  
120 minutes (100% brightness)  
240 minutes (50% brightness)  
1200 minutes (10% brightness)

Charge Time :3.5~4.0H

Low Power warning: red light warning (blue fluorescent ring changes to red)

Lighting Modes: 100% brightness 50% brightness 10% brightness flashing(2.4HZ)

Waterproof Grade: IP65

This product contains components that must be recycled per EU Directive 2002/96/EC and may not be disposed as unsorted municipal waste

## Warranty Card:

Our product quality is controlled strictly in accordance within the standards of our quality certification program. To ensure that all users enjoy the product, We commits to all users the following:

**1). One year warranty:** Within one year from purchase date, under normal use, the consumer will be provided free warranty service for any quality related problems.

**2). Lifetime limited repair:** We will provide paid warranty service after the initial one year warranty. The cost of this service is for the actual replacement part without any additional labor fees. The warranty is limited to existing stocked models, parts and accessories.

When requesting warranty service, customer should present this page along with your original purchase receipt or numbers provided by online retailers or dealer.

Warranty Service Exclusions:

A) Any damages that are caused by other than normal use, including, but not limited to physical damages.

B) Any user modification, repairs or disassembly of the product without factory authorization.

C) Missing warranty card or valid receipt documents

Model NB05 400 Lumen light

