

PROLITE IITM

Basic



**OWNER'S
MANUAL**

Congratulations, on purchasing the PROLITE II™ Basic, the finest spot headlamp on the market. With proper care, this light will provide many years of dependable service.

1. Features

- a. MAGFORCE™ On / Off Switch (pat. pending)
- b. Powerful Xenon spot bulb
- c. Padded Elastic headband
- d. Water resistant construction
- e. Standard blade mounting
- f. One year limited warranty

2. Optional Equipment

- a. Helmet mounted battery
- b. Waist mounted battery
- c. Car charger
- d. AC wall adaptor for charger
- e. Custom Battery Packs
- f. Handlebar Bike Mount
- g. Water Bottle NiMH Bike Battery

3. Safety Instructions

- a. Do not use this light until you thoroughly read and understand the instructions contained in this owners manual.
- b. Use approved battery packs only. (TAG® 6V sealed lead acid or 6 or 7.2 V NiMH PROLITE™ Smart battery) Use of any other battery will void the warranty.
- c. Do not plug the light into or operate light from the charger. Serious damage or injury may result.
- d. Operate only when light housing is sealed to prevent damage to the light and protect against the possibility of electric shock.
- e. Do not look into the light when it is in operation. Serious eye damage or blindness can occur.
- f. Do not attempt any internal repair except for replacing the bulb/reflector unit. Any attempt to repair or modify the electronics module will void the warranty.

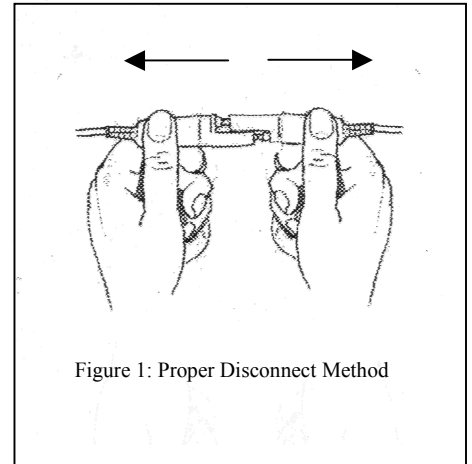


Figure 1: Proper Disconnect Method

4. Operation

(See Sections 6 and 7 for additional operating characteristics)

- a. Connect the PROLITE II™ to approved battery pack battery only.
- b. Switch position description
 - i. First position is OFF
 - ii. Second is Xenon spot ON.
- c. To operate switch, rotate the colored switch ring clockwise, when looking at the back of the lamp. **WARNING: Do not look into lamp when it is in operation. Serious eye damage or blindness can occur.**
- d. To prevent accidentally turning on the light, disconnect the light from the battery pack for storage or transport.
- e. When disconnecting the light from the battery pack firmly grip the plug assembly on both halves of the connector, not the cord, and pull connector apart. See Figure 1.

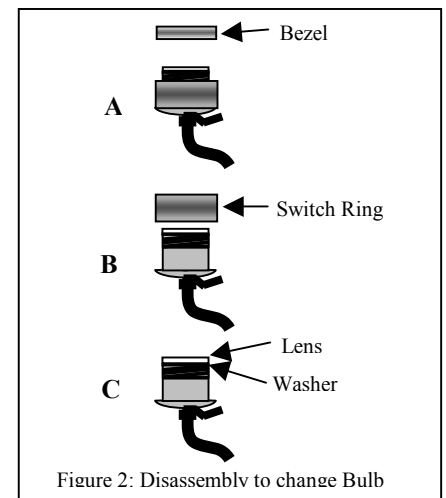


Figure 2: Disassembly to change Bulb

5. Care & Maintenance

- a. Cleaning the exterior of your PROLITE II™ light.
 - i. Clean exterior of light with a soft damp cloth.
 - ii. Remove bezel, and switching ring. Clean thoroughly.
 - iii. Remove any dirt from the housing that is located under the switching ring.
 - iv. Reassembly and tighten the bezel.
- b. Do not store the light in wet conditions. Even though the light is water resistant, it is possible for water vapor to enter the light through the interior of the power cable.

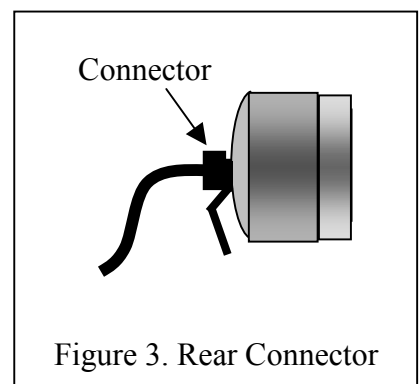


Figure 3. Rear Connector

- c. Replacing the lens.
 - i. Unscrew the bezel.
 - ii. Remove old lens.
 - iii. Replace with new lens.
 - iv. Reassemble and tighten the bezel.
- d. Replacing the bulb/reflector unit. If you should find it necessary to replace the bulb, follow these directions carefully.
 - i. Unplug the PROLITE II™ from the battery. (See Section 4e.)
 - ii. Clean exterior of light. (See Section 5a.)
 - iii. Remove bezel, lens and switch ring. See Figure 2A through 2C.
 - iv. Completely unscrew the connector on the back of the light. See Figure 3.
 - v. Push the cord toward the light until you reach the stop. This will make the reflector unit accessible.
 - vi. Remove old bulb/reflector unit by pulling straight away from the front of the light.
 - vii. Insert the lead wires on the new bulb/reflector unit into the sockets in the center of the circuit board and push unit in until it meets the board.
 - viii. Push the assembled unit (bulb, reflector and circuit board) back into the housing until the top of the reflector is flush with the front of the housing.
 - ix. Tighten the connector on the back of the housing.
 - x. Replace the switching ring, lens and bezel.

6. Run Time

- a. The run times listed in the Chart 1 are typical run times. The actual run time may vary depending on the amp hour rating of the battery and the slight differences in the components used to assemble the light. Higher amp hour ratings result in longer run time. Higher voltage results in more light output. See the ProLite web site for more information (www.proliteii.com)
- b. Chart 1

Battery Type and Size	Xenon Spot 0.75A Bulb
6V 1.5 Ah NiMH	2 hrs
6V 3.7 Ah NiMH	4.9 hrs
6V 6.5 Ah NiMH	8.7 hrs
7.2V 3.7 Ah Long Battery NiMH	4 hrs
7.2V 3.7 Ah Water Bottle Battery NiMH	4 hrs

7. Trouble shooting

- a. Normal Operating Characteristics of the PROLITE II™
 - i. The light is turned off or on when brought into contact with a second ProLite II™.
 - 1. The activation magnets from the second light activate the switch(es) in the first light.
- b. Actual problems
 - i. Spot bulb does not light.
 - 1. Switch not fully turned to ON position.
 - 2. Burned out spot bulb. Follow instructions to replace bulb. (See Section 5d.)
 - 3. Broken internal contact. Send in for repair.
 - ii. Spot bulb lights automatically, in any switch position, when light is plugged into power cord.
 - 1. Light plugged into wrong polarity battery.
 - a. Plug light into correct polarity battery.
 - 2. Damaged control circuit.
 - a. Send light into manufacturer for repairs.
 - iii. Spot bulb lights but then fades out.
 - 1. Discharged or defective battery.
 - a. Recharge or replace battery.
 - 2. Bad or intermittent contact at connector.
 - a. Clean contact at the connector.
 - b. Send light to manufacturer to have power cord replaced.
 - 3. Broken wire in power cord.

- a. Send light to manufacturer to have power cord replaced.
 - 4. Failed control circuit.
 - a. Send light to manufacturer for repair.
- iv. The light output does not seem as bright as when the light was new.
 - 1. Dirty cover lens.
 - a. Clean or replace lens. See Section 5c.
 - 2. Surrounding surfaces absorb the light. Such surfaces include lava tubes, black mud, etc.
 - 3. Battery is not fully charged or is not holding a charge.
 - a. Recharge or replace the battery.
- v. When the light is turned to a setting, the light does not respond.
 - 1. Make sure switch is fully turned to desired position.
 - 2. Missing switch magnet(s)
 - a. Replace magnet(s). Contact factory for replacement magnets and installation instructions.
 - b. Send light to manufacturer for repair
 - 3. Broken or defective internal switch(es)
 - a. Send light to manufacturer for repair
- vi. The light does not light.
 - 1. Discharged or defective battery.
 - a. Recharge or replace the battery.
 - 2. Corroded connector or broken power cable.
 - a. Clean the connector.
 - b. Send light to manufacturer for repair.
 - 3. Missing switch magnets
 - a. Replace magnet(s). Contact factory for replacement magnets and installation instructions.
 - b. Send light to manufacturer for repair.
 - 4. Broken or defective internal switch. Send light to manufacturer for repair

8. Limited Warranty

- a. This light is warranted for a period of one year from the original purchase date against defects in parts or workmanship. The manufacturer will replace or repair the light at the manufacturer's discretion after inspection has determined the cause of failure. The registration card must be filed with the manufacturer along with a copy of the original sales receipt for the warranty to be valid. This warranty is valid only to the original owner and is non-transferable. Naturally, normal wear and tear, misuse, neglect or dissatisfaction with the product choice are not manufacturing defects and thus are not covered by this warranty. No other warranty is implied.
- b. The manufacturer and their agents are not liable for any incidental or consequential damages, including, but not limited to, property damage, lost time, loss of use of a covered product, or any damages resulting from the breakdown or failure of a covered product, or from delays in replacement of a covered product.
- c. If the product falls within the warranty guidelines, the manufacturer will cover repairs. Shipping to and from the repair center is the responsibility of the consumer. If it is necessary to ship, please send the light prepaid, insured, and in a carton. Enclose an 8 ½ x 11 sheet of paper with your name, address, telephone number, email address and a brief description of the problem to ProLite at the address on the ProLite web site (www.proliteii.com)

9. Contact Information

For additional information about PROLITE II or any other PROLITE products, or warranty or non-warranty repairs contact PROLITE at:

- a. Email: Support@proliteii.com
- b. Phone: (571) 344-5793
- c. See our web site for our current mailing address (www.proliteii.com)