

Notice d'utilisation et d'entretier Bedienungsanleitung structions

# **ENGLISH**

Battery Installation See Battery Installation Diagram

**3 AAA** 

- Alkaline (LR03)
- Lithium (L92)

www.princetontec.com

Rechargeable NiCad or NiMH

Princeton Tec cares about the environment and recommends recycling batteries. For more information about battery recycling, please go to: www.batteryrecycling.com

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

## WARNING A

- Never mix fresh and used batteries.
- Never mix different battery brands or chemistry types.
- Always remove drained batteries immediately.
- Remove batteries during long periods of storage. NOTE: Lithium batteries offer extended constant brightness time, extreme cold weather performance, and lighter weight. Rechargeable NiCad or NiMH batteries may result in reduced brightness due to lower nominal voltage.

The Quad battery compartment has a waterproof seal. It is important to keep this seal free from dirt and away from harsh chemicals in order to preserve waterproof integrity. Inspect the seal every time batteries are changed. If dirt is present, wipe gently. With a damp cotton swab and mild soap until dirt is removed.

NOTE: Some battery types can emit hydrogen gas, which can create an explosion potential in sealed devices if it is not vented or removed. The Quad is equipped with a platinum catalyst to remove this gas. Upon severe impact, the catalyst could fracture. If you notice a rattling sound in the headlamp or gray particles in the battery compartment, do not use the headlamp. See the warranty and return policy for more information.

# Switch Operation – See Switch Operation diagram

Modes (High, medium, low and flash) are selected by pressing and releasing the button within 1.5 seconds of the previous button press.

There are two ways to turn the Quad off. You can cycle through the modes until you reach off or if more than two seconds has passed since the previous button press the next press of the button will turn the light off.

### Circuitry and Power Consumption / Regulated Leds

See Regulated LED diagram

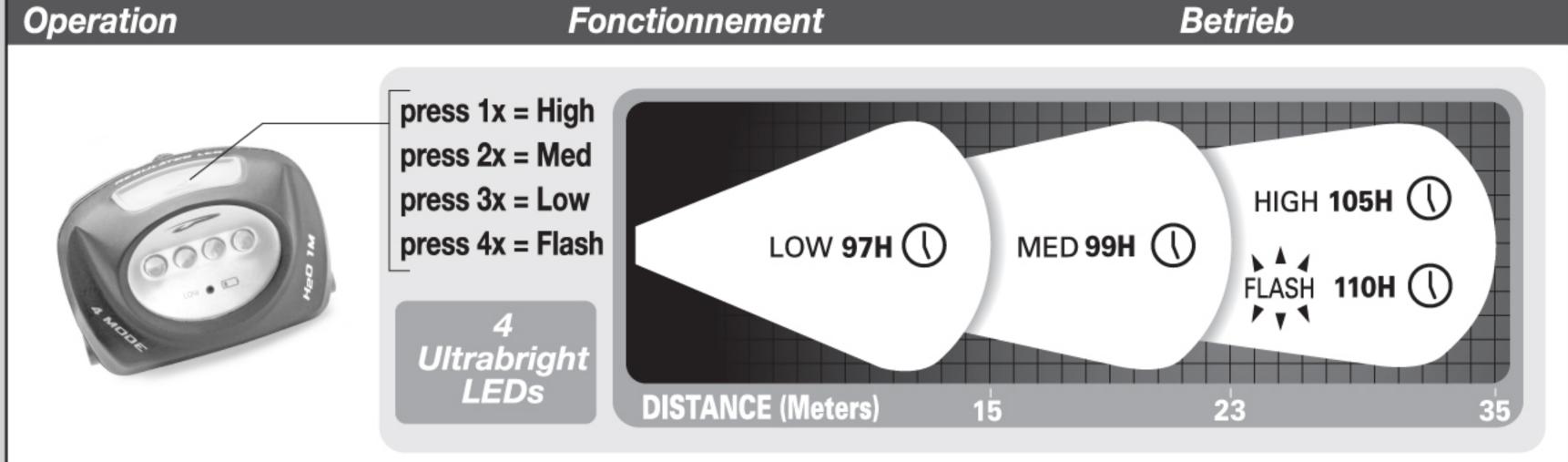
The Quad uses a sophisticated current-regulating circuitthat maintains initial brightness as long as the batteries Have sufficient voltage.

### Troubleshooting

If the Quad fails to light:

- Check the batteries for proper installation.
- Replace batteries if proper installation is confirmed.
- Check circuit board for water (the seal may have been compromised by improper rear cover installation). The light will resume normal operation once the water is shaken or blown out and the light is left open until completely dry. If the light has been contaminated with

Battery Installation Mise en place des piles Einlegen der Batterien



- \* Princeton Tec calculates total burn time as the time it takes for the light source to produce a minimum of 0.25 lux at 2 meters. 0.25 lux is about the equivalent of a full moon on a clear night. Regulated burn time is less than overall burn time.
- Princeton Tec définit la durée totale d'éclairage comme le temps nécessaire à la source lumineuse pour produire un minimum de 0,25 lux à 2 mètres. 0,25 lux équivaut à peu près à la luminosité d'une pleine lune dans un ciel nocturne dégagé. La durée d'éclairage régulé est inférieure à la durée d'éclairage globale.
- Princeton Tec berechnet die Gesamtbrenndauer bezogen auf eine von der Stirnlampe erzeugte minimale Beleuchtungsstärke von 0,25 Lux in 2 Meter Abstand. 0,25 Lux entsprechen in etwa der Beleuchtungsstärke des Vollmonds in einer klaren Nacht. Die regulierte Brenndauer ist geringer als die Gesamtbrenndauer

#### Regulated LED Regulierte LED LED régulée **Power Level** Overall Output **Battery** Distance (m) **Burn Time (Hours)** Type Low Med High Flash QUAD 15 REGULATED LED **Alkaline** 35 105 35 110 15 45 23 24 Lithium 35 10 **NON-REGULATED LED** 35 60

- \* The times listed in this chart assume you start with fresh batteries and use only one mode.
- \* Les durées mentionnées dans ce tableau sont calculées sur la base de l'utilisation de piles neuves et d'un seul mode.
- \* Bei den in der folgenden Tabelle aufgeführten Zeiten wird vorausgesetzt, dass Sie neue Batterien und lediglich eine Leuchtstärke verwenden.

salt water, flush the unit with fresh water and dry as described above.

### **Battery Power Meter**

The purpose of the red low battery power meter LED is to indicate when the batteries are near the end of their functional life.

If the headlamp is turned off and the battery voltage is low, the red low battery power meter LED will become active and start blinking.

If the headlamp is turned on and the battery voltage is low, the light beam will blink several times in rapid succession. This signal indicates the batteries are running Iowan power.

NOTE: The red low battery power meter LED only functions when the headlamp is turned off and will not blink while the headlamp is turned on.

### **USA Lifetime Warranty - International 10-Year Warranty**

Due to International regulations, Princeton Tec's lifetime warranty can only be offered to customers in the USA. Princeton Tec offers a 10-year warranty to our customers outside the USA. FULL WARRANTY -Princeton Tec warrants this product to be free from defects in workmanship and materials under normal use for as long as you own this product. 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 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

Regulated / Constant

**Burn Time (Hours)** 

31

10

35 min

38

16

48

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.

### **Return Policy**

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

- 1) Check batteries. Replace if necessary.
- 2) Contact Princeton Tec customer service at 800-257-9080 to request an RMA number to send your light in for repair or replacement. No warranty repairs will be accepted without an RMA number.
- 3) Return the light without batteries to: Princeton Tec, 5198 Rt. 130, Bordentown, NJ 08505. Postage due and freight collect items will not be accepted.

Princeton Tec PO Box 8057, Trenton, NJ 08650 Phone: 609-298-9331 Fax: 609-298-9601

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