

**TORRENT® LED
LED FLASHLIGHT**



Operating and Maintenance Instructions
Notice d'utilisation et d'entretien
Bedienungs- und Pflegeanleitung

www.princetontec.com

ENGLISH

Battery Installation

See Battery Installation Diagram

- 8 AA**
- Alkaline (LR03)
 - Lithium (L92)
 - Rechargeable NiCad or NiMH

LEDs require proper battery polarity to function. If the unit fails to operate, rotate the reflector assembly 180 degrees. For best performance, use alkaline AA-cells, Carbon zinc and Nicad may be used but will result in reduced brightness and burn time.

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

WARNING: ⚠

- 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 Torrent LED battery compartment has a waterproof seal. It is important to keep these o-ring seals free from dirt, away from harsh chemicals, and lightly lubricated with silicone grease. Never use aerosol spray lubricants as certain forms of aerosol sprays can cause damage to the plastic parts and void the warranty. Inspect the seals every time the batteries are changed.

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 Torrent LED 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 light or gray particles in the battery compartment, do not use the light. See the warranty and return policy for more information.

WARNING: ⚠

Due to the extreme amount of heat generated by the high power LED, we recommend you never leave your light on with the lens face down or surrounded by material that would prevent air flow from cooling the lens.

Switch Operation

See operation diagram

Unlock the safety lock by sliding the lock button forward. Rotate the switch to the right to turn the light on. Rotate the switch to the off position and pull the switch lock back to lock the switch to prevent accidental turn on of the light in transit.

Circuitry and Power Consumption / Regulated LEDs

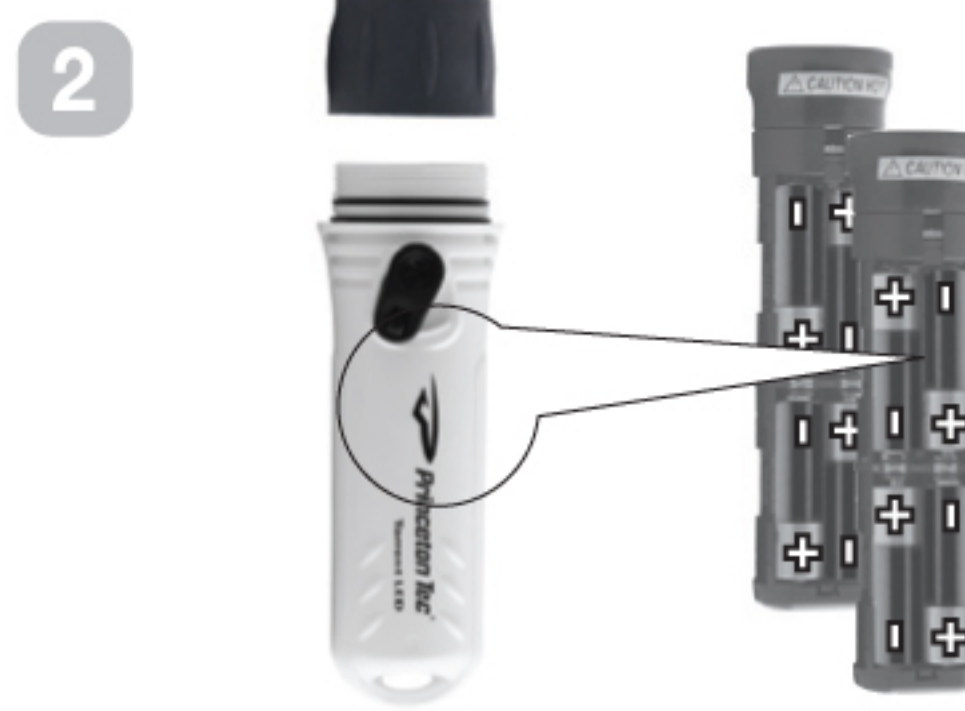
See Regulated LED diagram

The Torrent LED uses a sophisticated current-regulating circuit that maintains initial brightness as long as the batteries have sufficient voltage. Regulated LEDs – Provide steady light output over a

Battery Installation

Mise en place des piles

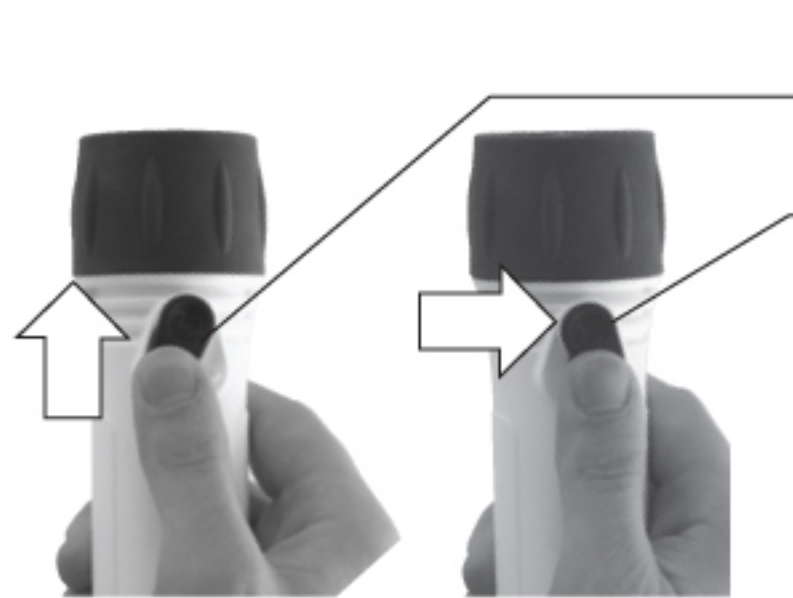
Einlegen der Batterien



Operation

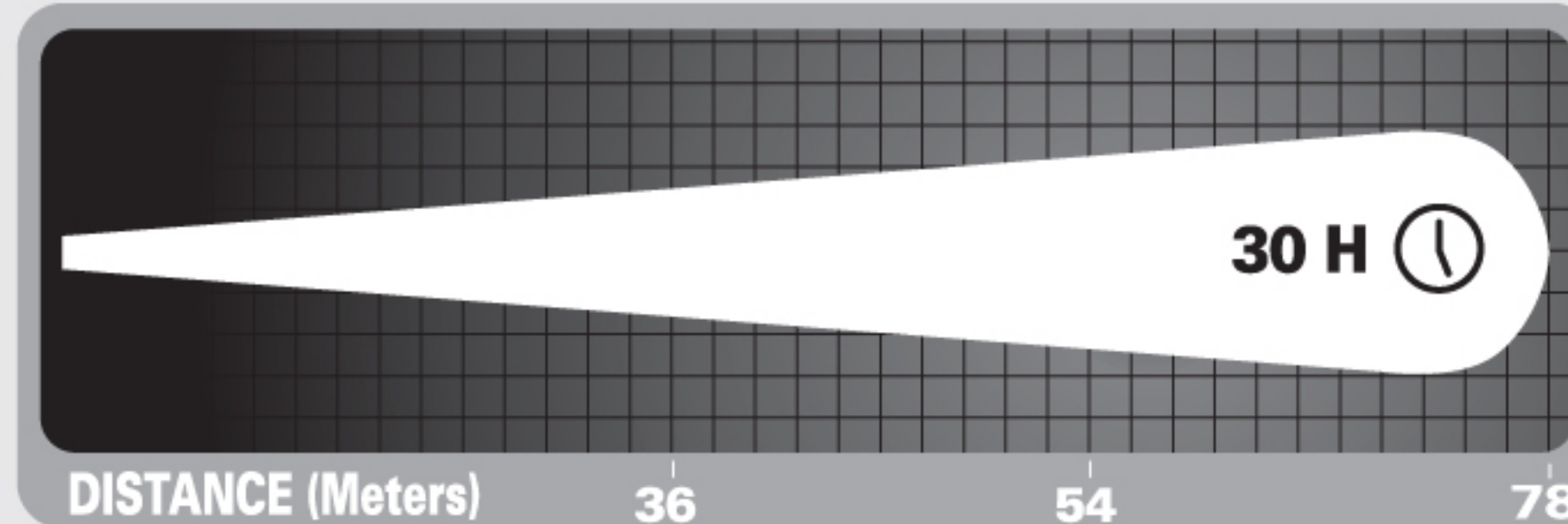
Fonctionnement

Betrieb



forward = Unlock
over = ON

1 Maxbright LED

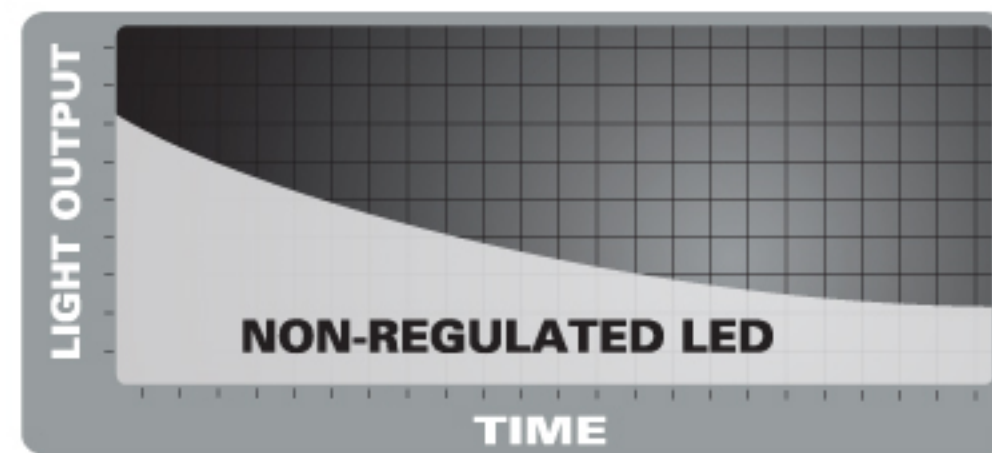
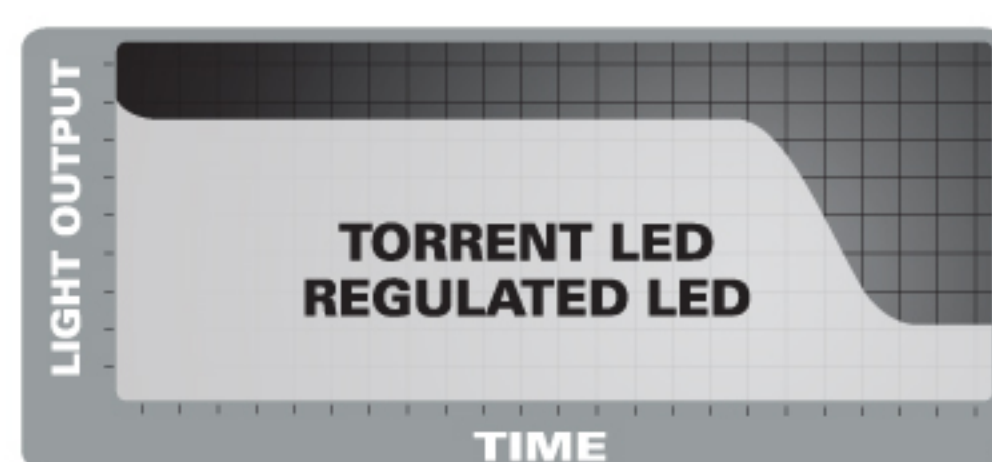


- Princeton Tec calculates total burn time as the time it takes for the light source to produce a minimum of 0.25 lux at 2 meters. 0.25 lux is about the equivalent of a full moon on a clear night
- Princeton Tec calcule le temps d'illumination total comme étant la durée écoulée avant que la torche ne produise un minimum de 0,25 lux à 2 mètres. 0,25 lux est à peu près l'équivalent de la pleine lune par une nuit au ciel dégagé.
- Princeton Tec berechnet die Gesamtleuchtdauer als die Zeit, in der die Lichtquelle eine Mindesthelligkeit von 0,25 Lux in zwei Metern Entfernung produziert. 0,25 Lux entsprechen dem Licht des Vollmonds in einer klaren Nacht.

Regulated LED

LED régulée

Regulierte LED



Battery Type	Output Distance (m)	Overall Burn Time (Hours)	Regulated / Constant Burn Time (Hours)
Alkaline	78	30	4.5
Lithium	78	24	6.5

- * 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 reuves et d'un seul mode.
- * Bei den in der folgenden Tabelle aufgeführten Zeiten wird vorausgesetzt, dass Sie neue Batterien und lediglich eine Leuchtstärke verwenden.

given time period.

Non-Regulated LEDs – Have constantly diminishing light over the same time period. Regulated burn time is dependant on the battery type selected. performance data for different battery types.

**The times listed in this chart assume you start with fresh batteries.

Diving Maintenance

As with any diving equipment, after diving in salt water this light should be rinsed with fresh water.

Flooding

In the unlikely event your light leaks or is flooded, immediately remove the batteries. Flush all parts with fresh water and allow it to dry. Check for possible cause of leakage and correct problem; return light for repair if necessary. Do not reuse batteries that have been wet. Batteries from a flooded light should be discarded.

Trouble Shooting

If the Torrent LED fails to light:

- Check the batteries for proper installation.
- Replace batteries if proper installation is confirmed.
- Check the inside of the light for water. (the seal may have been compromised) 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 salt water, flush the unit with fresh water and dry as described above.

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 bulbs and 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 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 the batteries. Replace if necessary.
- 2) Contact Princeton Tec customer service at 800-257-9080 to request an RMA# in order to send in your light for repair or replacement. No warranties will be excepted without an RMA#.
- 3) If the light continues to function improperly, return the light without batteries to: **Princeton Tec, 5198 Rt. 130, Bordentown, NJ 08505.** Postage due and freight collect items will not be accepted.

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