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Princeton Tec VIZZ II Intrinsically Safe Headlamp Instruction Manual

Contents

Princeton Tec VIZZ II Intrinsically Safe Headlamp

Product Information

The Intrinsically Safe Headlamp is a high-quality headlamp that is designed to provide maximum brightness with minimal power consumption. The headlamp features a spot and flood mode with 100% dimming and a lockout/unlock feature. The headlamp is also water-resistant and comes with a lifetime warranty in the USA and a 10-year warranty outside the USA.

Product Battery Installation

Before using the headlamp, install the batteries as follows:

1. Remove the battery cover on the back of the headlamp.
2. Insert three AAA alkaline batteries into the battery compartment.
3. Replace the battery cover and screw it in tightly.

Note: Always use fresh batteries of the same brand and type. Do not mix old and new batteries or different types of batteries.

Product Switch Operation

The headlamp features a switch that allows you to operate it in different modes. Follow the instructions below to operate the switch:

- Press the switch once to turn on the spot mode at 100% brightness.
- Press and hold the switch to dim the brightness of the spot mode.
- Press the switch twice to turn on the flood mode at 100% brightness.
- Press and hold the switch to dim the brightness of the flood mode.
- After being on for more than one second, press the switch once to turn off the headlamp.
- Press and hold the switch for five seconds to activate the lockout feature. The headlamp will blink three times to confirm that lockout is achieved. To unlock, press and hold the switch for five seconds again.

Product Troubleshooting

If the headlamp is not functioning properly, try the following troubleshooting steps:

1. Check the batteries and replace them if necessary.
2. If the headlamp has been exposed to water, shake or blow it out and leave it open until completely dry.
3. If the headlamp has been contaminated with saltwater, flush it with fresh water and dry as described above.
4. If the headlamp still does not function properly, contact Princeton Tec customer service to request repair or replacement.

Product Specifications

Modes	Lumens	Runtime	Beam Pattern	Distance (m)
High Spot	200	3.5h	12m	0m
Low Spot	–	66h	66m	16m
High Flood	50	45h	36m	10m
Low Flood	–	55h	16m	36m
Reserve	–	97h	–	60m

Note: 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. Reserve time is the duration of time from 10% of initial light output value down to 0.25 lux.

Return Policy

If the headlamp fails to operate, follow these simple steps:

1. Check the batteries and replace them if necessary.
2. Contact Princeton Tec customer service to request an RMA number.
3. Send the headlamp in for repair or replacement.

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

Battery Installation

- 3 AAA
- Alkaline (LR03)
  Princeton Tec cares about the environment and recom-mends recycling batteries. For more information about battery recycling, please go to **https://batterysolutions.com**
  Observe proper battery polarity. Improper installation of the batteries will damage the light and void the warranty.

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. The Vizz II 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.

Product Switch Operation

From off:

- Press 1x – Spot 100%
- Press & Hold: – Dimming
- Press 2x – Flood 100%
- Press & Hold: – Dimming
- Press 1x after more than 1 second in any mode- Off
- Five second hold – Lockout/Unlock

Vizz II will blink 3x when lockout is achieved.
Removal and replacement of batteries will also reset
Vizz II to unlocked state.

Troubleshooting

If the Vizz II 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 or dirty seal). 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.
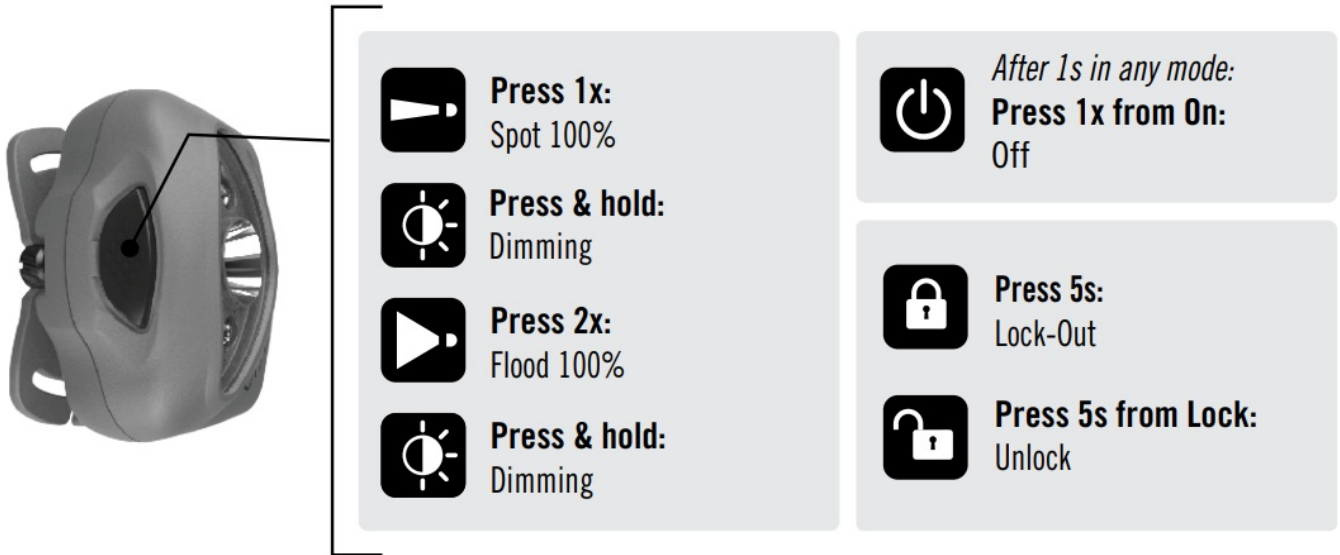
Warranty

USA Lifetime Warranty – International 10-YearWarranty
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

Battery Replacement

1   **2**   **3**   **4**

Switch Operation

Press 1x:
Spot 100%

Press & hold:
Dimming

Press 2x:
Flood 100%

Press & hold:
Dimming

After 1s in any mode:
Press 1x from On:
Off

Press 5s:
Lock-Out

Press 5s from Lock:
Unlock

Performance

Modes	Lumens	Runtime	Beam Pattern	Reserve
HIGH SPOT	200	3.5		30h
LOW SPOT	12	66h		45h
HIGH FLOOD	50	45h		97h
LOW FLOOD	2	55h		6h
DISTANCE (m)			0 10 16 36 60	

(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. Reserve time is the duration of time from 10% of initial light output value down to 0.25 lux 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 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.

2. 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.

3. Return the light without batteries to: Princeton Tec, PO Box 8057 Trenton NJ 08650. Postage due and freight collect items will not be accepted.

4. Upon receipt your light will be processed in about two weeks. Please allow additional time for return transportation from NJ.

Intrinsically Safe Apparatus

Princeton Tec Vizz for use in hazardous locations only as to intrinsic safety class I, II, III; Division 1&2; Groups A-G; T4; -20°C < 40°C. Warning- substitution of components may impair safety. Change batteries in an area known to be non-hazardous. Do not mix new batteries with used, do not mix batteries from different manufacturers. Use with three AAA batteries, Duracell: MN2400

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- **Princeton Tec**
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- **Phone:** 609-298-9331
- **Fax:** 609-298-9601
- princetontec.com

Documents / Resources

[Princeton Tec VIZZ II Intrinsically Safe Headlamp](#) [pdf] Instruction Manual
VIZZ II Intrinsically Safe Headlamp, VIZZ II, Intrinsically Safe Headlamp, Safe Headlamp, Headlamp

References

- **princetontec.com**
- ◎ **[Sustainable EV Battery Recycling Services & Material Processing- Cirba Solutions](#)**