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Nitecore BR25+NL2150R+ORG217

Nitecore BR25 Ultra-Bright 1400 Lumen Bike Light User Manual

Model: BR25+NL2150R+ORG217

PRODUCT OVERVIEW

The Nitecore BR25 is a high-performance, ultra-bright bike light designed for various cycling activities, including road cycling, mountain biking, and general outdoor adventures. It features a non-disruptive cut-off beam to prevent blinding oncoming traffic and pedestrians, and offers multiple brightness levels for versatile use. The light is powered by a rechargeable NL2150R battery and comes with a quick-release hard mount for easy installation and removal.



Image: The Nitecore BR25 bike light, showing the main unit, quick-release mount, USB-C charging cable, and two NL2150R rechargeable batteries with a LumenTac organizer.

SETUP

Package Contents

- Nitecore BR25 Bike Light
- 2x Nitecore NL2150R USB-C Rechargeable Batteries (one pre-installed, one backup)
- USB-C Charging Cable
- Bike Mount
- LumenTac Organizer

Power Accessories



LumenTac Organizer

2x Nitecore NL2150R USB-C Rechargeable (One pre-installed, one backup)

Image: Close-up of the Nitecore NL2150R 5000mAh USB-C rechargeable batteries and the LumenTac organizer.

Battery Installation and Initial Charge

1. Unscrew the tail cap of the BR25 light.
2. Insert one NL2150R battery with the positive (+) end facing towards the head of the light.
3. Screw the tail cap back on securely.
4. For initial use, fully charge the battery. Connect the USB-C charging cable to the battery's USB-C port (if charging the battery directly) or to the light's charging port (if available and supported for internal charging).



Image: A Nitecore NL2150R battery connected to a USB-C charging cable.

Image: The Nitecore BR25 bike light with a battery inserted, showing the light connected to a USB charging cable, indicating internal charging capability.

Mounting the Light

1. Attach the quick-release bike mount to your bicycle's handlebar. Ensure it is securely fastened and positioned to allow for optimal beam direction.
2. Slide the BR25 light onto the mount until it clicks into place. Verify that the light is firmly seated and does not wobble.
3. Adjust the angle of the light to ensure the beam is directed appropriately for your riding conditions, utilizing the non-disruptive cut-off feature.



Image: Diagram illustrating the quick mount and dismount design of the Nitecore BR25 bike light on a handlebar.

OPERATING INSTRUCTIONS

Power On/Off

- To turn on the light, press and hold the power button until the light illuminates.

- To turn off the light, press and hold the power button again until the light turns off.

Brightness Levels and Modes

The BR25 offers multiple brightness levels and a warning flashing mode:

- **Turbo:** Maximum brightness for intense illumination.
- **High:** Strong brightness for general riding.
- **Mid:** Moderate brightness for balanced visibility and runtime.
- **Low:** Low brightness for extended runtime or minimal light needs.
- **Warning Flashing:** A flashing mode for increased visibility in traffic.

To cycle through brightness levels, short press the power button while the light is on. The light will cycle through modes in a specific order (e.g., Low-Mid-High-Turbo).

To activate the Warning Flashing mode, typically a double-press or triple-press of the power button is required, or a long press from off, depending on the specific model's interface. Refer to the technical data table for detailed output and runtime specifications.



Image: A graphic illustrating the Nitecore BR25's performance, showing 1400 lumens output and 178 yards throw, with a visual representation of close range, short range, and long range illumination.

Non-Disruptive Cut-off Beam

The BR25 features an innovative non-disruptive cut-off beam design. This design directs light downwards and forward, preventing the beam from shining directly into the eyes of oncoming pedestrians, drivers, or other cyclists. This enhances safety for everyone on the road.

Non-disruptive Cut-off Beam

To avoid a direct beam to the naked eyes of the pedestrians or drivers of oncoming vehicles

BR25 with the Cut-off Beam



Conventional Bike Light



These Images are for guide purpose only actual result may vary depending on ambient factors.
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Image: A diagram comparing the non-disruptive cut-off beam of the BR25 with a conventional bike light, showing how the BR25 avoids blinding oncoming individuals.

MAINTENANCE

Cleaning

- Wipe the light body with a soft, damp cloth to remove dirt and grime.
- Clean the lens gently with a lens cleaning cloth to maintain optimal light output. Avoid abrasive materials.

Battery Care

- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging the battery before recharging to prolong its lifespan.
- If storing for an extended period, charge the battery to approximately 50% capacity.
- Use only the recommended Nitecore NL2150R batteries or compatible 21700/18650 batteries with appropriate discharge rates.

Mount Maintenance

- Periodically check the bike mount for tightness and wear.
- Ensure the quick-release mechanism operates smoothly.

TROUBLESHOOTING

- Light not turning on:

- Ensure the battery is correctly inserted with the positive (+) end facing the head.
- Check if the battery is charged. Recharge if necessary.
- Verify the tail cap is screwed on tightly.

- **Light flickering or dimming unexpectedly:**

- The battery may be low. Recharge the battery.
- Ensure battery contacts are clean. Clean with a cotton swab if needed.
- Check for loose connections within the light.

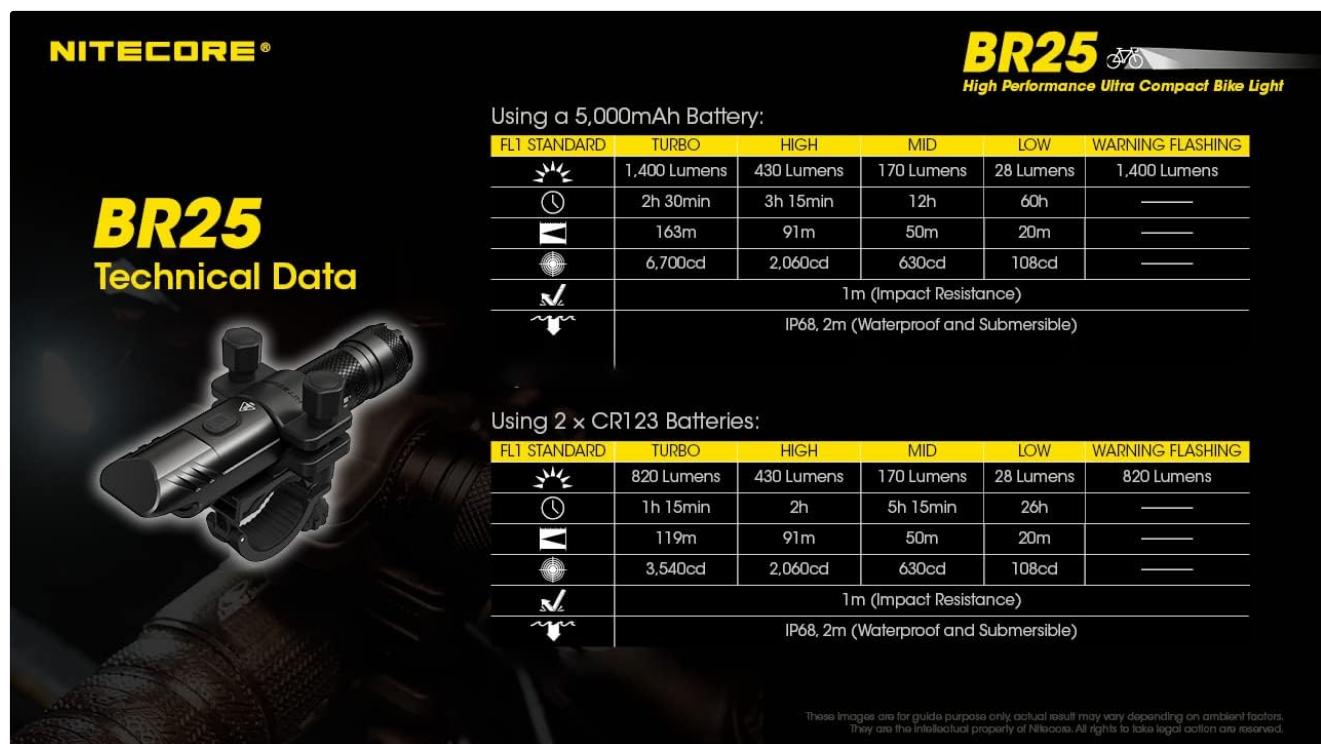
- **Light not charging:**

- Verify the USB-C cable is properly connected to both the battery/light and the power source.
- Try a different USB-C cable or power adapter.
- Ensure the power source is active.

- **Mount feels loose:**

- Tighten the screws or straps on the bike mount.
- Ensure the light is fully clicked into the quick-release mechanism.

SPECIFICATIONS



NITECORE®

BR25 
High Performance Ultra Compact Bike Light

BR25 Technical Data

Using a 5,000mAh Battery:

	FLT STANDARD	TURBO	HIGH	MID	LOW	WARNING FLASHING
	1,400 Lumens	430 Lumens	170 Lumens	28 Lumens	1,400 Lumens	
	2h 30min	3h 15min	12h	60h	—	
	163m	91m	50m	20m	—	
	6,700cd	2,060cd	630cd	108cd	—	
	1m (Impact Resistance)					
	IP68, 2m (Waterproof and Submersible)					

Using 2 x CR123 Batteries:

	FLT STANDARD	TURBO	HIGH	MID	LOW	WARNING FLASHING
	820 Lumens	430 Lumens	170 Lumens	28 Lumens	820 Lumens	
	1h 15min	2h	5h 15min	26h	—	
	119m	91m	50m	20m	—	
	3,540cd	2,060cd	630cd	108cd	—	
	1m (Impact Resistance)					
	IP68, 2m (Waterproof and Submersible)					

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Image: A table detailing the technical specifications of the Nitecore BR25, including lumen output, runtime, beam distance, and peak beam intensity for different battery types and modes.

Feature	Detail
Brand	Nitecore
Model	BR25

Max Brightness	1400 Lumens
Max Beam Distance	178 yards (163 meters)
Power Source	Battery Powered (NL2150R 21700 USB-C Rechargeable Battery, compatible with 2x CR123)
Material	Aluminum
Water Resistance Level	Waterproof (IP68, 2m Submersible)
Impact Resistance	1 meter
Dimensions (LxWxH)	5.85" x 1.18" x 1" (148.6mm x 30mm x 25.4mm)
Item Weight	2.68 Ounces (76g, without battery)
Mounting Type	Handlebar Mount (Quick-Release)

The BR25 is suitable for various scenarios, including road cycling, mountain biking, outdoor adventures, and portable lighting, as shown in the image below.



Image: Four panels showing the Nitecore BR25 being used in different scenarios: road cycling, mountain biking, outdoor adventures (lighting a tent), and portable lighting (held by hand).

WARRANTY AND SUPPORT

Nitecore products are known for their quality and durability. For specific warranty information, please refer to the warranty card included with your product or visit the official Nitecore website. Keep your proof of purchase for warranty claims.

For technical support, product inquiries, or service, please contact Nitecore customer service through their official

channels. You can often find contact information on the Nitecore website or within the product packaging.
No official product videos from the seller were found for this product.

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