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› [NICRON](#) /

› [NICRON B66 Rechargeable LED Flashlight User Manual](#)

NICRON B66

NICRON B66 Rechargeable LED Flashlight User Manual

Model: B66

1. INTRODUCTION

Thank you for choosing the NICRON B66 Rechargeable LED Flashlight. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your device. Please read it thoroughly before use and retain it for future reference.

2. SAFETY INSTRUCTIONS

- Do not shine the flashlight directly into eyes, as the high lumen output can cause temporary vision impairment.
- Keep out of reach of children.
- Do not disassemble the flashlight or its battery. Unauthorized modifications can lead to damage, electric shock, or fire.
- Use only the provided charging cable or a certified USB-C cable for charging.
- Avoid exposing the flashlight to extreme temperatures or direct sunlight for prolonged periods.
- Ensure the charging port cover is securely closed when not charging to maintain water resistance.

3. PRODUCT OVERVIEW

3.1 Key Features

- **High Lumen Output:** Up to 4300 lumens for powerful illumination.
- **Multiple Lighting Modes:** 7 modes including Moonlight, Low, Medium, High, Max, Strobe, and SOS.
- **Long Runtime:** Up to 300 hours in Moonlight mode.
- **Rechargeable:** Integrated USB Type-C charging port.
- **Durable Construction:** Made from anodized aluminum alloy.
- **Waterproof:** IPX8 rated, submersible up to 2 meters.
- **Power Bank Function:** Can be used to charge other devices.

3.2 Components

The NICRON B66 flashlight consists of a durable aluminum body, an LED emitter, a side switch for operation, and a USB-C charging port.



Figure 1: NICRON B66 Rechargeable LED Flashlight. This image displays the overall design of the flashlight, highlighting its robust construction and side switch.



Figure 2: Exploded view of the flashlight's internal components, illustrating the high-quality construction and optical system.

3.3 Technical Specifications

Technical Parameters

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ANSI/FL1	Moon light	Low	Med	High	Max	Strobe	SOS
 Brightness (LM)	10	150	450	1500	4300	450	450
 Run Time	300	15	6	5	2	N/A	N/A
 LED	CREE XHP70.2 P4.						
 Beam Distance	400m						
 Intensity	39600cd						
 Water Resistant	IPX8						
 Drop Resistant	1m						
 Weight	202g (7.12oz) exclude the battery						
 Size	158 x 49mm(6.2 x 1.9in)						
 Package	Flashlight, Rechargeable Battery, Manual, Tail Strap, Charging Cable						

*Above datum tested base on ANSI/NEMA FL 1-2009 standard with the Rechargeable battery on normal temperature in lab , maybe vary depending on different environment.

Figure 3: Technical parameters table detailing brightness levels, run times, beam distance, and other specifications.

Feature	Specification
Model	B66 (Part Number), B200 (Item Model Number)
Max Brightness	4300 Lumens
LED Type	CREE XHP70.2 P4
Beam Distance	Up to 400 meters (1312 feet)
Water Resistance	IPX8 (Submersible up to 2 meters)
Drop Resistance	1 meter
Material	Anodized Aluminum Alloy
Power Source	Rechargeable Lithium Ion Battery (5000mAh)
Charging Port	USB Type-C
Dimensions	1.63"D x 1.61"W x 6.04"H (158 x 49mm)

Feature	Specification
Weight	202g (7.12 oz) excluding battery
Included Components	Flashlight, Rechargeable Battery, Manual, Tail Strap, Charging Cable



Figure 4: Illustration of the 5000mAh rechargeable battery and its maximum runtime of 300 hours in Moonlight mode.

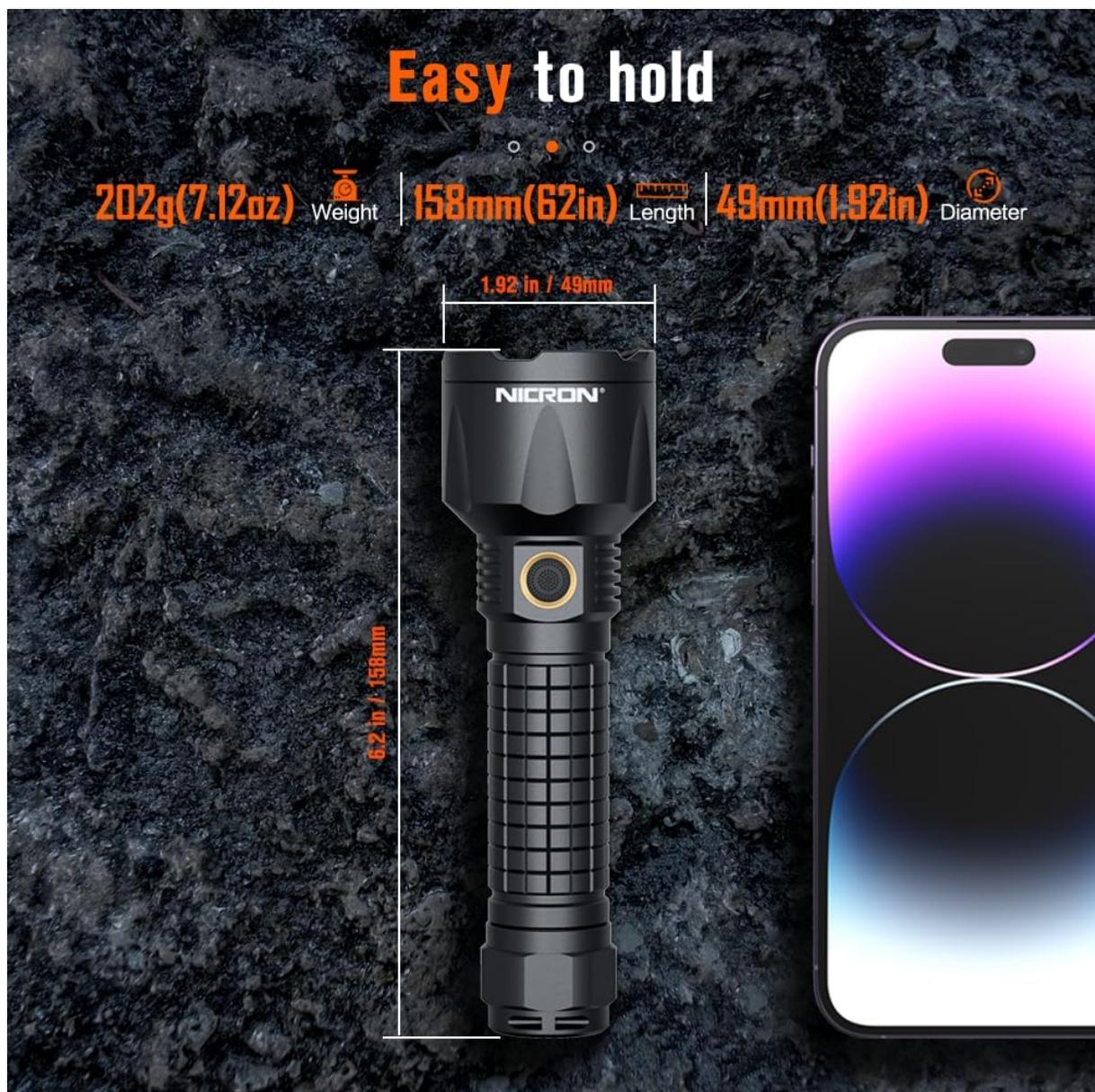


Figure 5: Physical dimensions of the NICRON B66 flashlight, shown alongside a smartphone for scale, emphasizing its compact size.

4. SETUP

4.1 Charging the Flashlight

1. Locate the USB Type-C charging port on the flashlight body.
2. Open the protective rubber cover of the charging port.
3. Connect the provided USB-C charging cable to the flashlight and plug the other end into a USB power source (e.g., wall adapter, computer, power bank).
4. The switch indicator light will illuminate **RED** during charging.
5. Once fully charged, the indicator light will turn **GREEN**.
6. Securely close the rubber cover after charging to maintain water resistance.



Figure 6: The flashlight connected to a USB-C charger, showing the charging indicator light and its color codes for battery status.

4.2 Power Bank Function

The NICRON B66 can also function as a power bank to charge other devices. Connect your device to the

flashlight's USB-C port using an appropriate cable.



Figure 7: The flashlight connected to a smartphone, demonstrating its capability to act as a portable power bank.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- **To Turn On:** Double-press the side switch quickly.
- **To Turn Off:** Press and hold the side switch.

5.2 Mode Selection

Once the flashlight is on, single-press the side switch to cycle through the main brightness modes:

- Moonlight (10 Lumens)
- Low (150 Lumens)
- Medium (450 Lumens)
- High (1500 Lumens)
- Max (4300 Lumens)

To access special modes:

- **Strobe:** From any main mode, double-press the side switch.
- **SOS:** From Strobe mode, single-press the side switch.
- To return to main modes, single-press again from SOS or double-press from Strobe.



Figure 8: Visual representation of the 7 distinct light modes and the flashlight's effective beam distance of 400 meters.

Multi-scenario use

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The B66 multi-speed lighting can be used in a variety of scenarios



Figure 9: Examples of the flashlight's versatility in various scenarios, including outdoor exploration, camping, and emergency situations.

6. MAINTENANCE

- **Cleaning:** Wipe the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Lubrication:** Periodically apply silicone grease to the O-rings to maintain water resistance.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight. If storing for extended periods, charge the battery every 3-6 months to prolong its lifespan.
- **Battery Care:** Avoid fully discharging the battery frequently. Recharge when the indicator shows low battery.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Flashlight does not turn on.	Low battery; Incorrect operation; Loose connections.	Charge the battery; Ensure correct double-press to turn on; Check battery installation.

Problem	Possible Cause	Solution
Light is dim or flickers.	Low battery; Dirty contacts.	Recharge the battery; Clean battery contacts with a clean cloth.
Charging indicator not working.	Charging cable or adapter issue; Flashlight fully charged.	Try a different USB-C cable or power adapter; Check if the light is already green (fully charged).
Water ingress.	Charging port cover not sealed; Damaged O-rings.	Ensure charging port cover is tightly closed; Inspect and replace O-rings if damaged.

8. WARRANTY AND SUPPORT

NICRON offers a **One-Year product replacement policy** for any quality problems related to the LED flashlight. If you encounter any issues or require assistance, please contact our support team.

How to Contact Support:

- For Amazon purchases, click "Get Help With Order" under your order ID. Our support team aims to resolve issues within 24 hours.
- Visit the official NICRON website for additional support options and contact information.

9. PACKAGE CONTENTS

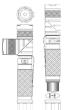
Upon opening your NICRON B66 package, you should find the following items:

- 1 x NICRON B66 Flashlight
- 1 x Rechargeable Battery (pre-installed or separate)
- 1 x USB Type-C Charging Cable
- 1 x Tail Rope (Lanyard)
- 1 x User Manual (this document)



Figure 10: An illustration of all items included in the NICRON B66 flashlight package.

Related Documents - B66

 <p>NICRON® B70/B70 Plus</p> <p>Rechargeable Twist Flashlight B70/B70 Plus</p> <p>User Manual • Uživatelský manuál • Übertragbarer Benutzerhandbuch • Benutzerhandbuch</p>	<p>NICRON B70/B70 Plus Rechargeable Twist Flashlight User Manual</p> <p>Comprehensive user manual for the NICRON B70/B70 Plus rechargeable twist flashlight, covering product features, operating instructions, technical specifications, and safety precautions.</p>																															
 <p>Nicron B75</p> <p>User Manual • Uživatelský manuál • Übertragbarer Benutzerhandbuch • Benutzerhandbuch</p>	<p>Nicron B75 LED Flashlight User Manual and Specifications</p> <p>Official user manual for the Nicron B75 LED flashlight. This guide provides detailed information on features, operation, maintenance, safety precautions, and technical specifications. Content is primarily in English, with references to Czech, Slovak, Hungarian, and German language sections.</p>																															
	<p>HT-B66 Series Instruction Manual and Technical Specifications</p> <p>Detailed instructions and technical specifications for the HT-B66 series devices, covering operation, setup, performance, and maintenance.</p>																															
 <p>TWS earphone User's manual</p> <table border="1"> <tr><td>Model</td><td>B66</td><td>Color</td><td>Black</td></tr> <tr><td>Material</td><td>PC</td><td>Weight</td><td>100g</td></tr> <tr><td>Screen</td><td>None</td><td>Display</td><td>None</td></tr> <tr><td>Charging port</td><td>Micro-USB</td><td>Charging time</td><td>2.5 hours</td></tr> <tr><td>Working time</td><td>10 hours</td><td>Standby time</td><td>100 hours</td></tr> <tr><td>Power Output</td><td>5W</td><td>Speaker</td><td>10mm dynamic speaker</td></tr> <tr><td>Applicable</td><td>Android, iOS, Windows, Mac, etc.</td><td>Others</td><td>Supports 5.0 Bluetooth</td></tr> <tr><td>Others</td><td>Supports 5.0 Bluetooth</td><td>Others</td><td>Supports 5.0 Bluetooth</td></tr> </table> <p>Intellibud B66 TWS Earphone User Manual</p> <p>User manual for the Intellibud B66 TWS earphones, detailing product specifications, pairing instructions, Bluetooth operation, precautions, and FCC compliance.</p>	Model	B66	Color	Black	Material	PC	Weight	100g	Screen	None	Display	None	Charging port	Micro-USB	Charging time	2.5 hours	Working time	10 hours	Standby time	100 hours	Power Output	5W	Speaker	10mm dynamic speaker	Applicable	Android, iOS, Windows, Mac, etc.	Others	Supports 5.0 Bluetooth	Others	Supports 5.0 Bluetooth	Others	Supports 5.0 Bluetooth
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