

NICRON B75

NICRON B75 High Power UV Flashlight User Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your NICRON B75 High Power UV Flashlight. Please read this manual thoroughly before operating the device and retain it for future reference. The NICRON B75 is a versatile, rechargeable LED flashlight featuring a 90-degree rotatable head, a magnetic base, and both white light (up to 1000 lumens) and 395nm ultraviolet (UV) light modes.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Versatile Rotation:** 90-degree rotatable head for adjustable light angle.
- **High Illumination:** Up to 1000 lumens of white light with a beam distance exceeding 100 meters.
- **UV Detection:** Integrated 395nm UV light for various detection purposes.
- **Magnetic Base:** Allows attachment to metal surfaces for hands-free operation.
- **Durable Construction:** IP65 waterproof rating and 1-meter drop resistance.
- **Rechargeable:** Convenient USB charging.

2.2 Package Contents

- NICRON B75 Flashlight
- Rechargeable Battery (pre-installed or included separately)
- Charging Cable



Figure 1: NICRON B75 Flashlight with its components, including the UV light function, magnetic base, and charging cable.

3. SETUP

3.1 Initial Charging

Before first use, fully charge the flashlight. Connect the provided charging cable to the flashlight's charging port and to a USB power source (e.g., computer, wall adapter). The power indicator light will show charging status.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off and Mode Selection

The flashlight features four modes: High, Medium, Low (white light), and UV light.

- **To Turn On:** Press the power button once. The flashlight will turn on in the last used white light mode.
- **To Cycle White Light Modes:** While the white light is on, press the power button repeatedly to cycle

through High → Medium → Low.

- **To Activate UV Mode:** From any state (on or off), press and hold the power button for approximately 1 second. The flashlight will switch to UV mode.
- **To Turn Off:** Press the power button once when the flashlight is in any mode for more than 3 seconds. If cycling modes, press the button after the desired mode is active for 3 seconds.



Figure 2: Illustration of the four available light modes: High, Medium, Low white light, and UV light.

4.2 Using the 90-Degree Rotatable Head

The flashlight head can be rotated 90 degrees to adjust the beam direction. This feature is useful for hands-free operation when combined with the magnetic base or pocket clip.

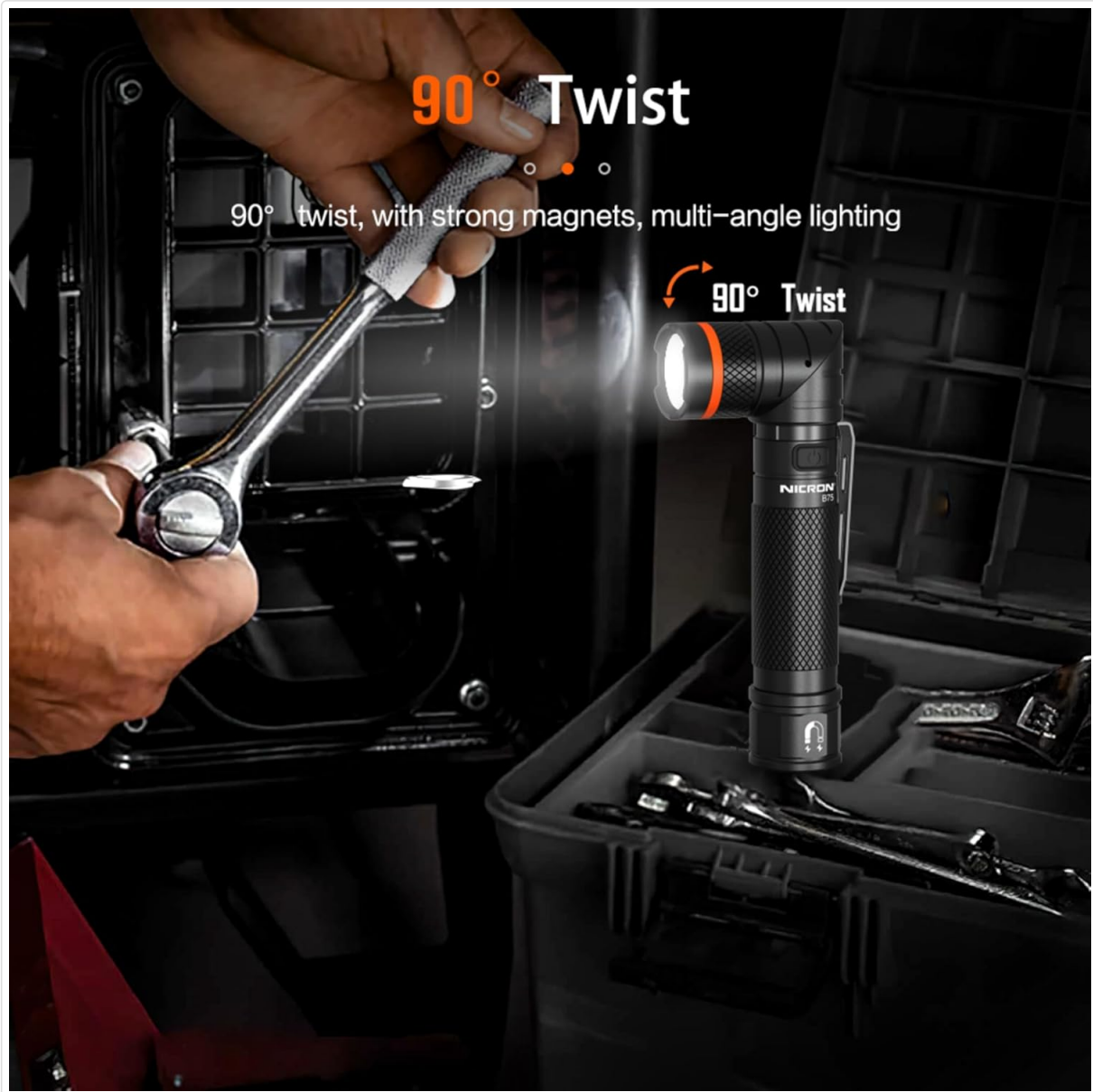


Figure 3: The flashlight head can be twisted 90 degrees for multi-angle lighting, ideal for hands-free use.

4.3 Utilizing the Magnetic Base

The integrated magnetic base allows the flashlight to be securely attached to ferrous metal surfaces. This provides convenient hands-free lighting for tasks such as automotive repairs or working in confined spaces.

4.4 UV Light Applications

The 395nm UV light can be used for various detection purposes, including:

- Counterfeit currency detection.
- Identifying pet urine stains.
- Detecting optical brighteners in fabrics.
- Gemological appraisal.
- Locating scorpions and other insects.



Figure 4: Examples of how the 395nm UV light can be used for detection in various scenarios.

5. CHARGING AND BATTERY

5.1 Charging Process

To charge the flashlight, connect the USB charging cable to the flashlight's port and a suitable USB power source. The charging indicator light will provide feedback on the battery status.

5.2 Battery Indicator

The power button features an integrated LED indicator to display battery charge level:

- **Green Light:** Battery level is approximately >40%.
- **Yellow Light:** Battery level is approximately 40%-20%.
- **Red Light:** Battery level is approximately <20%, requiring charging.
- During charging, the indicator light will be RED. It will turn GREEN when the battery is fully charged.



Figure 5: The power indicator light displays battery status and charging progress.

6. MAINTENANCE

6.1 Cleaning

Wipe the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents. Keep the lens clean for optimal light output.

6.2 Storage

Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, ensure the battery is partially charged (around 50%) and recharge every 3-6 months to maintain battery health.

6.3 Water Resistance

The NICRON B75 has an IP65 waterproof rating, meaning it is protected against dust ingress and low-pressure water jets from any direction. It is resistant to rain and splashes but should not be submerged in water for prolonged periods.

7. TROUBLESHOOTING

- **Flashlight does not turn on:** Ensure the battery is charged. If the battery is removable, check if it is correctly inserted.
- **Light output is dim:** Charge the battery. Clean the lens if it is dirty.
- **Flashlight does not charge:** Ensure the charging cable is securely connected to both the flashlight and the power source. Try a different USB port or charging adapter.

8. SPECIFICATIONS

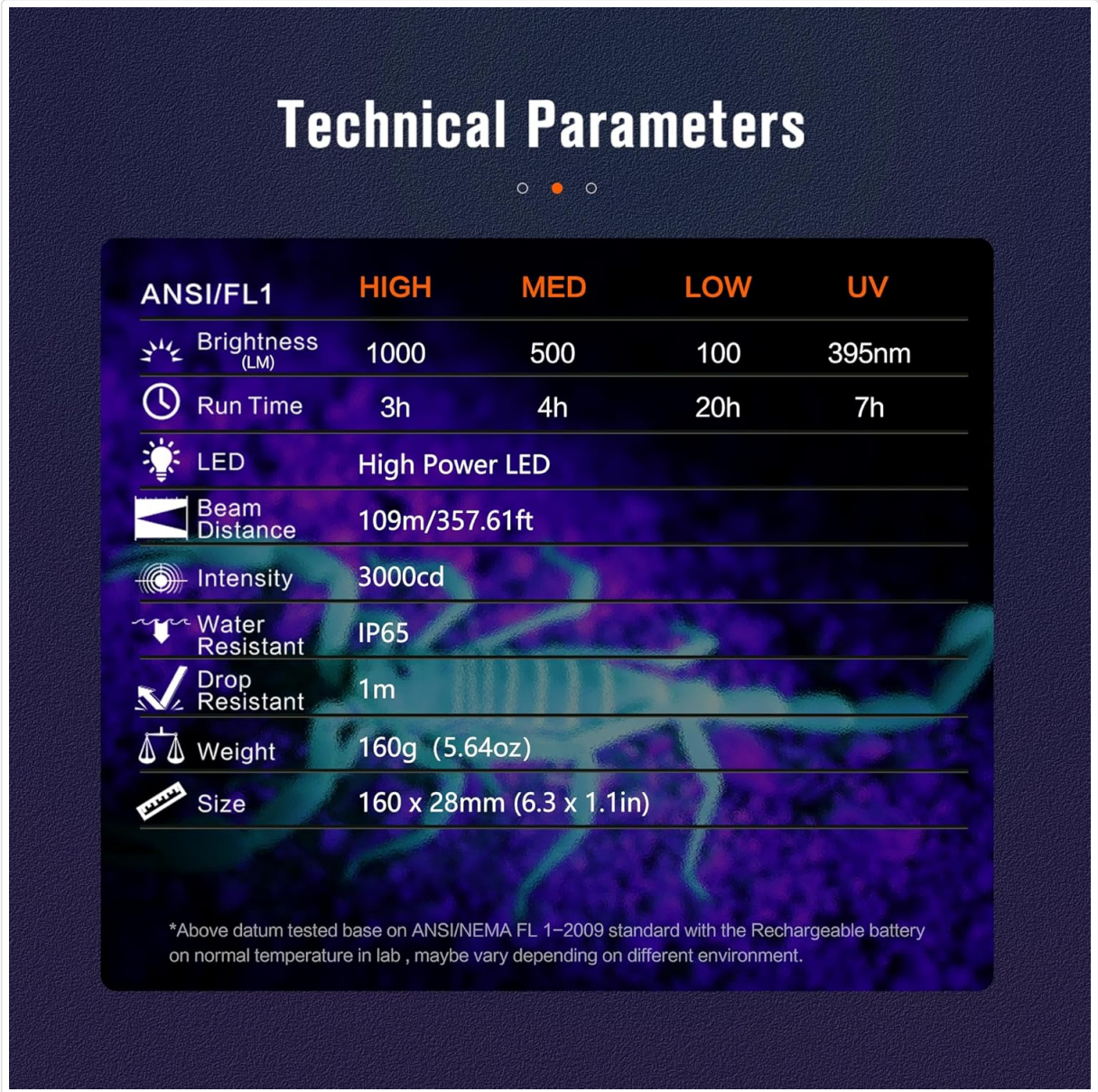


Figure 6: Detailed technical specifications for the NICRON B75 Flashlight.

Parameter	Value
Model	B75
Brightness (White Light)	High: 1000 Lumens, Med: 500 Lumens, Low: 100 Lumens
UV Wavelength	395nm

Parameter	Value
Run Time	High: 3h, Med: 4h, Low: 20h, UV: 7h
Light Source Type	High Power LED
Beam Distance	109m / 357.61ft
Intensity	3000cd
Water Resistance Level	IP65
Drop Resistance	1 meter
Weight	160g (5.64oz)
Dimensions (L x D)	160 x 28mm (6.3 x 1.1in)
Power Source	Battery Powered (Lithium Ion)
Included Components	Battery, Charging Cable


9. SAFETY INFORMATION


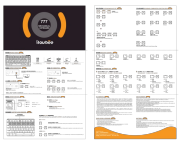
- Do not shine the flashlight directly into eyes, as the intense light can cause temporary vision impairment or permanent damage.
- Keep out of reach of children.
- Do not disassemble the flashlight; this may void the warranty and cause damage.
- Use only the recommended battery type and charging cable.
- Avoid exposing the flashlight to extreme heat or open flames.
- Dispose of batteries according to local regulations.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact NICRON customer service directly. Keep your purchase receipt as proof of purchase.

Related Documents - B75

 <p>NICRON</p> <p>Nicron B75</p> <p>User Manual • Uživatelský manuál • Uživatelský manuál • Használati útmutató • 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>
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 <p>Rechargeable Twist Flashlight B70/B70 Plus</p> <p>User Manual • Uživatelský manuál • Uživatelský manuál • Használati útmutató • Bedienungsanleitung</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>Nicon B75</p> <p>User Manual • Uživatelský manuál • Uživatelský manuál • Használati útmutató • Bedienungsanleitung</p>	<p>Nicon B75 LED Flashlight User Manual and Specifications</p> <p>Official user manual for the Nicon 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>Rechargeable Twist Flashlight B70/B70 Plus</p> <p>User Manual • Uživatelský manuál • Uživatelský manuál • Használati útmutató • Bedienungsanleitung</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></p>	<p>iLouBee B75 Mechanical Keyboard User Manual and Features</p> <p>Comprehensive guide to the iLouBee B75 Mechanical Keyboard, covering setup, functions, connectivity (wired, Bluetooth, 2.4G), multimedia keys, knob functions, lighting controls, and battery status. Includes FCC and ISCED compliance statements.</p>
 <p></p>	<p>iLouBee 777 Mechanical Keyboard User Manual and Features</p> <p>Comprehensive guide to the iLouBee 777 Mechanical Keyboard, covering wired and wireless connections, custom backlight settings, secondary function keys, multimedia controls, knob functions, and battery indicators. Includes FCC and ISCED compliance information.</p>

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[Nicron B75 LED Flashlight User Manual and Specifications](#)

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.

lang:en score:25 filesize: 635.02 K page_count: 28 document date: 2025-09-11