

Nitecore EDC31

Nitecore EDC31 Flashlight User Manual

Model: EDC31 | Brand: Nitecore

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Nitecore EDC31 Flashlight. Please read this manual thoroughly before operating the device and retain it for future reference.



Image: The Nitecore EDC31 flashlight, accompanied by its USB-C charging cable, a lanyard, and a Nitecore sticker, showcasing the complete package contents.

PACKAGE CONTENTS

- Nitecore EDC31 Flashlight
- USB-C Charging Cable
- Lanyard
- Clip
- Nitecore Sticker

SETUP

1. Initial Charging

Before first use, fully charge the Nitecore EDC31. Connect the provided USB-C charging cable to the flashlight's charging port and to a USB power source. The power indicator lights will show charging status.



Image: Close-up of the USB-C charging port on the Nitecore EDC31 flashlight, indicating where to connect the charging cable.

2. Attaching the Lanyard and Clip

Attach the lanyard to the designated loop on the flashlight for secure carrying. The clip can be used to secure the flashlight to pockets, belts, or gear.

OPERATION

Tactical Tail Button



Image: A diagram illustrating the functions of the tactical tail button: a half press adjusts brightness levels or activates SEARCH mode, while a full press turns the flashlight on/off or activates LUMIN SHIELD™.

- **Half Press:** Adjusts brightness levels or activates SEARCH mode.
- **Full Press:** Turns the flashlight On/Off or activates LUMIN SHIELD™.

Rapid Lock™ Mechanism

The EDC31 features a sliding lock switch to prevent accidental activation.



Rapid Lock™ for Seamless Operation

(Utility Model Patent No. CN202322748377.2)

Slide the Rapid Lock™ to access Full Lockout Mode, Half Lockout Mode or unlock the flashlight. The Rapid Lock™ is designed for intuitive use and quick response without accidental activation.

Image: A close-up view of the Rapid Lock™ sliding switch on the Nitecore EDC31, showing its position for seamless operation and preventing accidental activation.

- **Full Lockout Mode:** Slide the Rapid Lock™ to the locked position to completely prevent activation.
- **Half Lockout Mode:** Allows access to certain functions while preventing others.
- **Unlock:** Slide the Rapid Lock™ to the unlocked position for full functionality.

Brightness Levels and Modes

The EDC31 offers multiple brightness levels and specialized modes:

- **LUMIN SHIELD™ (Floodlight):** 3,500 Lumens. Activated by a full press and hold of the Tactical Tail Button. (Unavailable in Full Lockout Mode).
- **SEARCH (Spotlight):** 1,500 Lumens, 380m range. Activated by a half press and hold of the Tactical Tail Button. (Unavailable in Full Lockout Mode).
- **High:** 1,100 Lumens.
- **Mid:** 300 Lumens.
- **Low:** 70 Lumens.
- **Ultralow:** 5 Lumens.

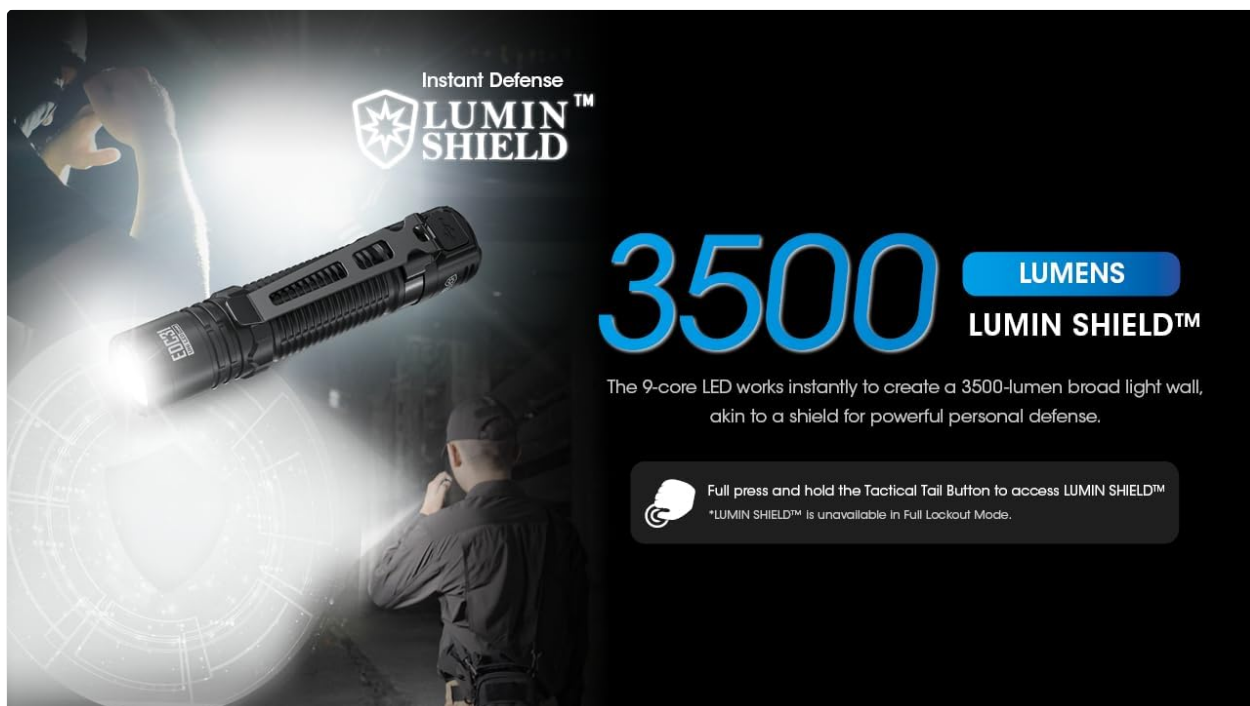


Image: The Nitecore EDC31 flashlight emitting a wide, powerful 3500-lumen LUMIN SHIELD™ beam, illustrating its use for instant personal defense.

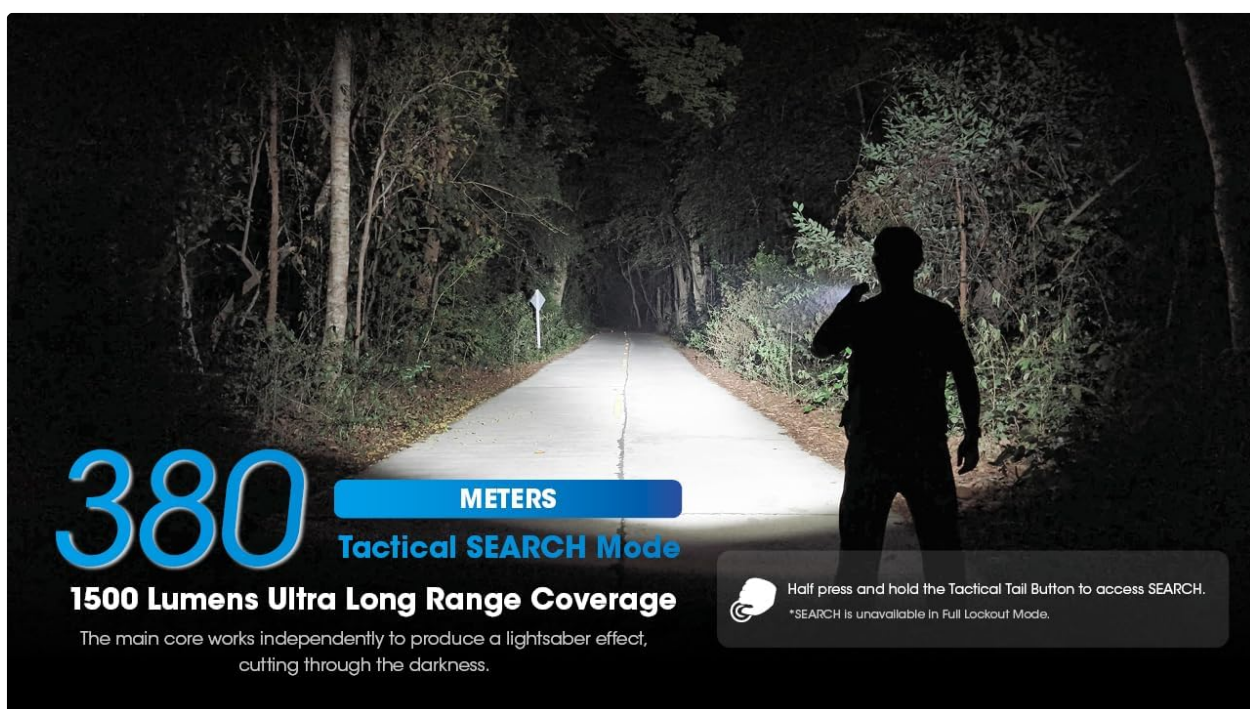


Image: The Nitecore EDC31 flashlight projecting a focused beam for 380 meters in Tactical SEARCH Mode, cutting through darkness.

Power Level Display

The flashlight features four green indicator lights to display the remaining battery power:

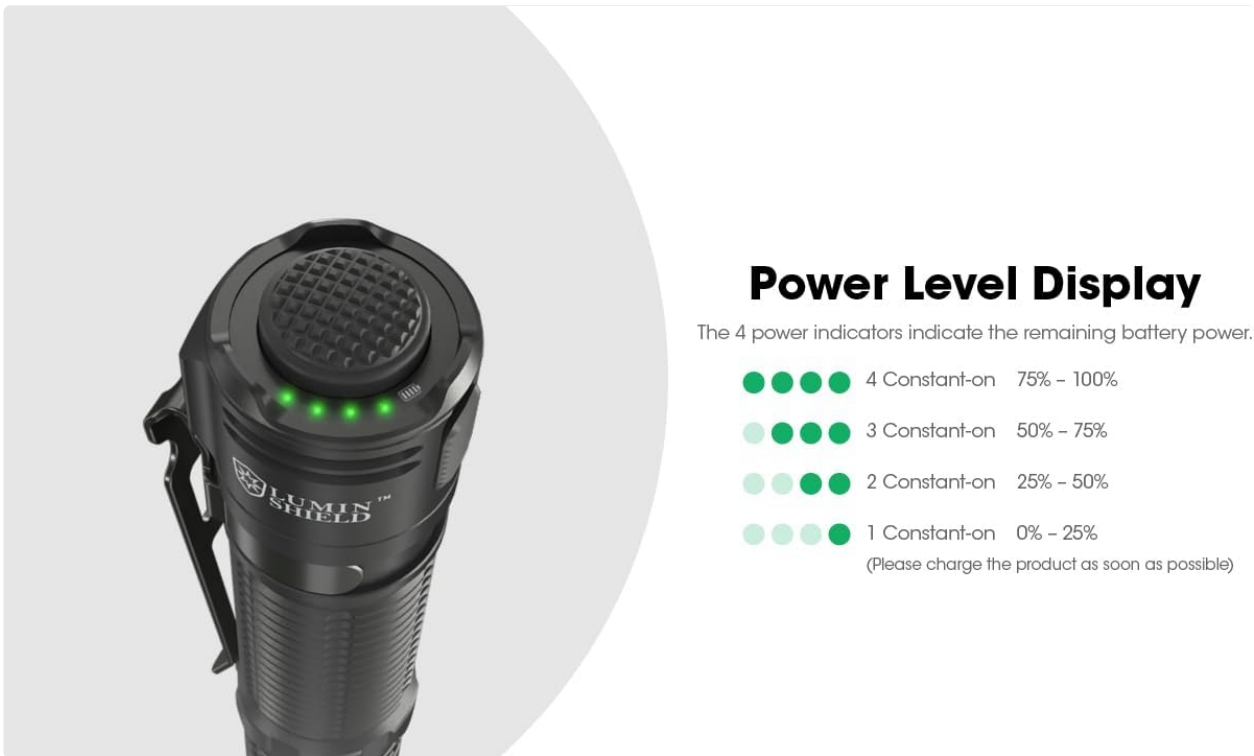


Image: A diagram showing the four green LED indicators on the Nitecore EDC31, representing battery levels from 75-100% (4 lights) down to 0-25% (1 light).

- **4 Constant-on:** 75% - 100%
- **3 Constant-on:** 50% - 75%
- **2 Constant-on:** 25% - 50%
- **1 Constant-on:** 0% - 25% (Charge as soon as possible)

MAINTENANCE

Cleaning

Wipe the flashlight body with a clean, soft cloth. For stubborn dirt, a slightly damp cloth can be used. Avoid using harsh chemicals or abrasive materials.

Battery Care

To maintain optimal battery life, charge the flashlight regularly. Avoid fully depleting the battery for extended periods. If storing the flashlight for a long time, charge it to approximately 50% every few months.

Water Resistance

The EDC31 has an IP68 rating, meaning it is waterproof and submersible up to 2 meters. Ensure the USB-C port cover is securely closed before exposing the flashlight to water.







TROUBLESHOOTING

- **Flashlight not turning on:**
 - Ensure the Rapid Lock™ switch is in the unlocked position.
 - Check battery level and recharge if necessary.

- Ensure the tail cap is tightened securely.
- **Light output is dim or inconsistent:**
 - Recharge the battery.
 - Clean the lens and reflector with a soft cloth.
- **Flashlight gets hot on high settings:**
 - This is normal for high-lumen flashlights due to heat dissipation. The EDC31 has built-in thermal regulation to prevent overheating, which may cause a temporary step-down in brightness.
 - Avoid prolonged use on the highest settings if heat is a concern.

SPECIFICATIONS

Technical Data

FL1 STANDARD	LUMIN SHIELD™ (Floodlight)	SEARCH (Spotlight)	HIGH	MID	LOW	ULTRALOW
	3,500 Lumens	1,500 Lumens	1,100 Lumens	300 Lumens	70 Lumens	5 Lumens
	—	—	4h	5h	24h	57h
	330m	380m	200m	173m	85m	20m
	28,800cd	35,630cd	10,098cd	7,489cd	1,826cd	109cd
	2m					
	IP68, 2m (Waterproof and Submersible)					

Note: The stated data is measured in accordance with the international flashlight testing standards ANSI/PLATO FL 1-2019 using the built-in Li-Ion battery (3,800mAh). The data may vary in real world use due to different environmental conditions.

Image: A table detailing the technical specifications of the Nitecore EDC31, including lumens, runtime, beam distance, and intensity for various modes.

Nitecore EDC31 Technical Data (ANSI FL1 Standard)

Feature	LUMIN SHIELD™ (Floodlight)	SEARCH (Spotlight)	HIGH	MID	LOW	ULTRALOW
Brightness	3,500 Lumens	1,500 Lumens	1,100 Lumens	300 Lumens	70 Lumens	5 Lumens
Runtime	—	—	4h	5h	24h	57h
Beam Distance	330m	380m	200m	173m	85m	20m
Peak Beam Intensity	28,800cd	35,630cd	10,098cd	7,489cd	1,826cd	109cd
Impact Resistance	2m					

Feature	LUMIN SHIELD™ (Floodlight)	SEARCH (Spotlight)	HIGH	MID	LOW	ULTRALOW
Waterproof Rating	IP68, 2m (Waterproof and Submersible)					

Note: The stated data is measured in accordance with the International flashlight testing standards ANSI/PLATO FL1-2019 using the built-in Li-ion battery (3,800mAh). Data may vary in real-world use due to different environmental conditions.

General Specifications

- **Special Features:** Durable, High Lumens, Impact Resistant, Lightweight, Rechargeable
- **Color:** Black
- **Power Source:** Battery Powered (Built-in Lithium Ion)
- **Light Source Type:** LED
- **Material:** Anodized Aluminum
- **Product Dimensions:** 0.89"D x 0.91"W x 4.46"H (22.6mm D x 23.1mm W x 113.2mm H)
- **Item Weight:** 4 ounces (100g)
- **Voltage:** 3.7 Volts (DC)
- **Battery:** Built-in Lithium Ion (Note: Some source data indicates '1 AA batteries required', which contradicts the built-in Li-ion battery mentioned elsewhere. The primary power source is the built-in Li-ion.)
- **Model Number:** EDC31

Ultra Compact and Lightweight
Smaller but Stronger

Compact tube design with consistency in high performance is perfect for covert everyday carry.

Tube Diameter:
22.6mm (0.89")

Length:
113.2mm (4.46")

Head Diameter:
23mm (0.91")

Weight: 100g (3.53 oz)

EDC31

EDC33

-19.7%
smaller in size

Image: A diagram illustrating the compact dimensions and weight of the Nitecore EDC31 flashlight, highlighting its suitability for everyday carry.

WARRANTY INFORMATION

The Nitecore EDC31 Flashlight comes with a **Limited Warranty**. For detailed information regarding warranty terms, conditions, and duration, please refer to the official Nitecore website or contact their customer support directly. Please retain your proof of purchase for warranty claims.







SUPPORT AND CONTACT

For further assistance, technical support, or inquiries, please visit the official Nitecore website or contact their customer service. You can also visit the [Nitecore Store on Amazon](#).

Manufacturer: Sysmax Innovations Co.

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Related Documents - EDC31

	<p>NITECORE EDC37 User Manual: Features, Specifications, and Operation Guide</p> <p>Comprehensive user manual for the NITECORE EDC37 flashlight, detailing its advanced features, technical specifications, operational instructions, safety guidelines, and warranty information.</p>
	<p>NITECORE MH12 Pro USB-C Rechargeable Compact Flashlight User Manual</p> <p>Discover the NITECORE MH12 Pro, a powerful 2000-lumen USB-C rechargeable compact flashlight with 330m throw and 650-hour runtime. This user manual provides detailed instructions for operation, charging, battery installation, and advanced temperature regulation.</p>
	<p>NITECORE NU33 USB-C Rechargeable Headlamp - Features, Specs, and Operation Guide</p> <p>Comprehensive guide to the NITECORE NU33 headlamp, detailing its triple light sources, 700-lumen output, USB-C charging capabilities, technical specifications, operating instructions, and warranty information.</p>
	<p>NITECORE EDC35 User Manual: Powerful 5000 Lumen Tactical LED Flashlight</p> <p>Comprehensive user manual for the NITECORE EDC35 flashlight, detailing its features, specifications, operation, safety warnings, battery safety, charging instructions, and warranty information. Learn how to use this high-performance, USB-C rechargeable tactical LED torch.</p>
	<p>Nitecore NU25 / NU25 UL Dual Beam USB-C Rechargeable Headlamp User Manual</p> <p>User manual for the Nitecore NU25 and NU25 UL dual beam USB-C rechargeable headlamps. Details features, specifications, charging, operation modes (spotlight, floodlight, red light, SOS, beacon), power indication, warnings, and warranty.</p>
	<p>NITECORE P20iX Tactical Flashlight - 4000 Lumens, USB-C Rechargeable</p> <p>User manual for the NITECORE P20iX tactical flashlight, detailing its features, specifications, operating instructions, and maintenance. Discover its 4000-lumen output, USB-C charging, STROBE READY technology, and dual user modes.</p>

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lang:en score:39 filesize: 939.92 K page_count: 2 document date: 2024-10-29

[NITECORE Product Catalog: Innovative Lighting & Outdoor Gear](#)



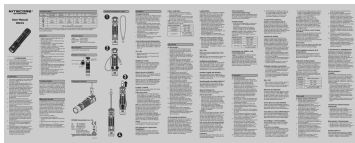
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[pdf] User Manual Specifications

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