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NITECORE EDC33 EDC Flashlight User Manual

Contents

NITECORE ®

NITECORE EDC33 EDC Flashlight

Specifications

- Length: 115.6mm (4.55)
- Head Diameter: 25.4mm (1.00)
- Tube Diameter: 24.0mm (0.94)
- Weight: 121g (4.27 oz) (Clip Not Included), 127g (4.48 oz) (Clip Included)

Product Overview

The NITECORE EDC33 is a compact and powerful flashlight designed for everyday carry. It features the LUMIN SHIELDTM floodlight for wide-area illumination and the SEARCH spotlight for long-distance lighting. With a maximum brightness of 4,000 lumens, a beam distance of 400m, and an impact resistance of 2m, the EDC33 is a reliable tool for various outdoor activities.

Key features

- LUMIN SHIELDTM floodlight with 4,000 lumens brightness
- SEARCH spotlight with three brightness levels: HIGH (1,700 lumens), MID (1,200 lumens), LOW (300 lumens)
- ULTRALOW mode for extended runtime
- Tail button for easy operation
- USB-C charging port for convenient charging
- Lockout switch to prevent accidental activation

- Built-in optical sensor for advanced functionality
- IP68 waterproof and submersible

Accessories

- Lanyard
- USB-C charging cable
- Clip

Product Usage Instructions

Charging function
The EDC33 is equipped with an intelligent charging system. Follow the steps below to charge the battery:

1. Rotate the USB cover at the tail of the flashlight to open it.
2. Connect the USB cable to the charging port.
3. Connect the other end of the USB cable to an external power supply (eg a USB adapter, a power bank, or other USB charging devices).
4. The green power indicators will gradually light up to indicate the charging process.
5. Once fully charged, disconnect the USB cable and close the USB cover.

Tactical Momentary Illumination
To turn on/off the flashlight, press the Tail Button fully. Half-press the Tail Button to cycle through different brightness levels:

- HIGH: 1,700 lumens
- MID: 1,200 lumens
- LOW: 300 lumens
- ULTRALOW: 5 lumens

Direct Access to SEARCH
To directly access the SEARCH spotlight mode (1,700 lumens), follow these steps:

1. When the light is on or off, half press and hold the Tail Button.
2. Release the Tail Button to return to the previous status.

Direct Access to LUMIN SHIELD TM
To directly access the LUMIN SHIELDTM floodlight mode (4,000 lumens), follow these steps:

1. When the light is on or off, fully press and hold the Tail Button.
2. Release the Tail Button to return to the previous status.

Lockout/Unlock
The EDC33 has a lockout switch to prevent accidental activation. To lock or unlock the flashlight, follow these steps:

- Lockout: Rotate the lockout switch to the locked position.
- Unlock: Rotate the lockout switch to the unlocked position.

FAQ

Q: What is the battery capacity of the EDC33?
The EDC33 has a built-in Li-ion battery with a capacity of 4,000mAh.

Q: How long does the EDC33's battery last?
The battery life of the EDC33 varies depending on the selected brightness level. Here are the approximate runtimes:

- HIGH: 2 hours 31 minutes
- MID: 6 hours 58 minutes
- LOW: 31 hours
- ULTRALOW: 63 hours 25 minutes

Q: Is the EDC33 waterproof?
Yes, the EDC33 has an IP68 waterproof rating and can be submerged up to 2 meters.

IMPORTANT
Thanks for purchasing NITECORE!
Please read this manual carefully before using the product and follow the instructions. This manual contains important safety information and operating instructions. Please keep it for future reference. In case of updates, please refer to the latest version available on the official website.
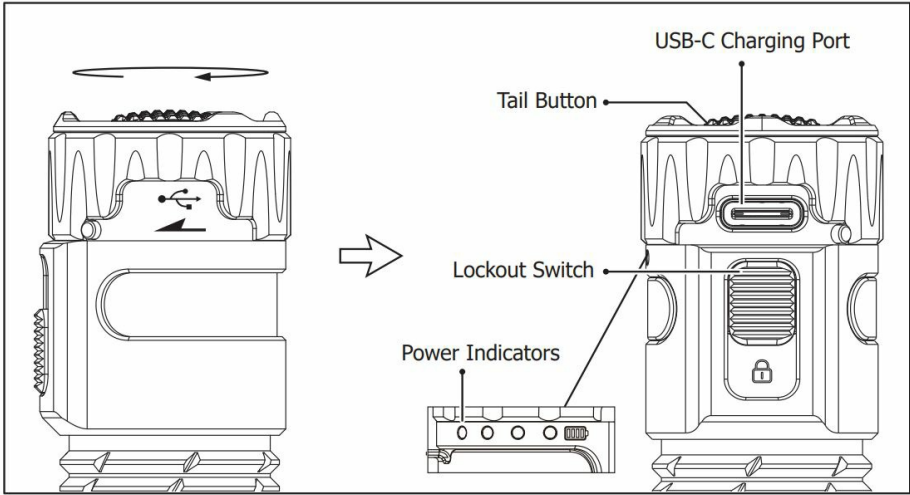
Warning

- This product is intended for use by adults aged 18 and over. Please keep this product out of the reach of children.
- CAUTION! Possible dangerous radiation! DO NOT stare directly into the light beam or shine the light directly into the eyes of anyone!
- The product will generate massive heat during prolonged operation. Please exercise caution during use. It is recommended not to use high brightness levels for extended periods to prevent burns and product damage.
- DO NOT cover or place objects near the head of the product, as this may cause damage to the product or accidents due to high temperatures.
- DO NOT use the product to illuminate flammable or explosive materials, as the high heat may lead to combustion or explosion.
- Please use the product in a standard handheld manner to avoid accidents in the event of product failure.
- DO NOT submerge the product into any liquid when it is hot. Doing so may cause irreparable damage to the light due to the difference of air pressure inside and outside of the tube.
- When the product is placed in an enclosed or flammable environment such as a pocket or backpack, or when it is left unused for an extended period, please turn off the product and activate the Lockout Mode to avoid accidental activation and dangers caused by excessive heat.
- DO NOT expose the product to temperatures above 60°C (140°F) for prolonged time, as this poses a risk of battery explosion or combustion.
- Please recharge the product with the original charging cable to avoid shortening the lifespan of the battery.

- Please recharge the product every 6 months when left unused for a prolonged time.
- DO NOT disassemble or modify this product as doing so will cause damage to it and render the product warranty invalid. Please refer to the warranty section in the manual for complete warranty information.
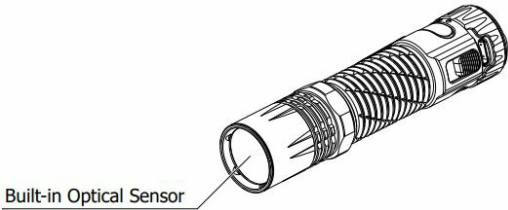
Technical Data	LUMIN SHIELD™ (Floodlight)	SEARCH (Spotlight)	HIGH	MID	LOW	ULTRALOW
Brightness	4,000 Lumens	1,700 Lumens	1,200 Lumens	300 Lumens	70 Lumens	5 Lumens
Runtime	—	—	2h 31min	6h 58min	31h	63h
Beam Distance	400m	450m	208m	182m	93m	25m
Peak Beam Intensity	40,505cd	54,500cd	10,500cd	8,305cd	1,903cd	163cd
Impact Resistance	2m					
IP Rating	IP68, 2m (Waterproof and Submersible)					

Note: The stated data is measured using the built-in Li-ion battery (4,000mAh) under laboratory conditions. The data may vary in real world use due to different environmental conditions.

Product Overview

Sensor Protection Function

Battery Safety

Improper use of devices with built-in Li-ion batteries may result in severe battery damage or safety hazards such as combustion or explosion. DO NOT use the device if it is damaged. DO NOT disassemble, puncture, cut, crush, or incinerate the device. If any leakage or abnormal odor is noticed, stop using the device immediately. Dispose of the device/batteries under applicable local laws and regulations.

Warranty Details

All NITECORE® products are warranted for quality. Any DOA / defective product can be exchanged for a replacement through a local distributor/dealer within 15 days of purchase. After that, all defective/malfunctioning NITECORE® products can be repaired free of charge within 24 months from the date of purchase. Beyond 24 months, a limited warranty applies, covering the cost of labor and maintenance, but not the cost of accessories or replacement parts. The warranty will be nullified if

1. the product(s) is/are broken down, reconstructed, and/or modified by unauthorized parties;
2. the product(s) is/are damaged due to improper use.

For the latest information on NITECORE® products and services, please contact a local NITECORE® distributor or send an email to **service@nitecore.com**

All images, text, and statements specified herein in this user manual are for reference purposes only. Should any discrepancy occur between this manual and the information specified on **www.nitecore.com**, Sysmax Innovations Co., Ltd. reserves the right to interpret and amend the content of this document at any time without prior notice.

Features

- Utilizes a 9-core UHi 20 MAX LED with a max output of 4,000 lumens
- An optical system combined with crystal coating and "Precision Digital Optics Technology" (PDOT)
- Max peak beam intensity of 54,500cd and max throw of 450 meters
- 4 brightness levels to cycle through; SEARCH and LUMIN SHIELD™ available
- Powered by a built-in 4,000mAh Li-ion battery to provide a runtime up to 63 hours
- Lockout Switch available for Half Lockout Mode and Full Lockout Mode
- Power indicators indicate the remaining battery power
- Intelligent Li-ion battery charging circuit with a USB-C charging port
- Advanced Power Cut-Off (APC) technology for an ultralow standby power consumption
- A highly efficient constant current circuit provides a stable output
- Incorporated Advanced Temperature Regulation (ATR) module (Patent No. ZL201510534543.6)
- Optical lenses with double-sided scratch-resistant coating
- Constructed from military-grade aluminum alloy 7075-T6
- HA III military-grade hard-anodized finish
- Tail stand capability
- Waterproof and dustproof rating in accordance with IP68 (2 meters submersible)
- Impact resistant to 2 meters

Specifications

- **Length**: 115.6mm (4.55″)
- **Head Diameter:** 25.4mm (1.00″)

- **Tube Diameter**: 24.0mm (0.94″)
- **Weight:**

  121g (4.27 oz) (Clip Not Included)

  127g (4.48 oz) (Clip Included)

Accessories
Lanyard, USB-C Charging Cable, Clip

Charging Function
The EDC33 is equipped with an intelligent charging system. Please charge the battery before the first use.

Power Connection:
As illustrated, rotate the USB cover at the tail following the direction of, and use the USB cable to connect an external power supply (e.g. a USB adapter, a power bank, or other USB charging devices) to the charging port to begin the charging process.

Charging Indication:
During the charging process, the green power indicators will gradually transition from flashing to a steady light to display the battery level. When the battery is fully charged, the EDC33 will cease the charging process and the power indicators will become steadily turned on to inform the user.

- • The lighting function is available during the charging process (LUMIN SHIELD™ and SEARCH excluded).
- • The charging time is approx. 2 hours. (Charged via the 5V/2A adapter)

  When fully charged, the standby time is approx. 12 months.

Tactical Momentary Illumination

- Half-press and hold the Tail Button to access SEARCH. Release to turn it off.
- Full press and hold the Tail Button to access LUMIN SHIELD™. Release to turn it off.

On / Off

- **On**: When the light is off, fully press the Tail Button to turn it on.
- **Off**: When the light is on, fully press the Tail Button to turn it off.

Brightness Levels
When the light is on, half press the Tail Button to cycle through the following brightness levels: ULTRALOW – LOW – MID – HIGH. The flashlight will directly access the previously memorized brightness level when reactivated.

Direct Access to SEARCH
When the light is on / off, half press and hold the Tail Button to directly access SEARCH (1,700 lumens). Release to return to the previous status.

Direct Access to LUMIN SHIELD™
When the light is on / off, full press and hold the Tail Button to directly access LUMIN SHIELD™ (4,000 lumens). Release to return to the previous status.

Lockout / Unlock

The EDC33 has two lockout modes (Half Lockout Mode and Full Lockout Mode).

Half Lockout Mode:

- When the light is on, slide the Lockout Switch up while half / full pressing and holding the Tail Button to access Half Lockout Mode. The lock icon can be seen below the Lockout Switch.
- In Half Lockout Mode, half press and hold the Tail Button to access SEARCH; full press and hold the Tail Button to access LUMIN SHIELD™.

Note: To access the Full Lockout Mode, slide down the Lockout Switch to unlock the flashlight first, then turn on the flashlight followed by sliding the Lockout Switch up. The light will exit the Half Lockout Mode and directly access the Full Lockout Mode. Full Lockout Mode (Default Setting) When the light is on / off, slide the Lockout Switch up to access Full Lockout Mode. The lock icon can be seen below the Lockout Switch, indicating that the Tail Button is unavailable to activate the flashlight.

Unlock:
In either Lockout Mode, slide down the Lockout Switch to exit Lockout Mode.

ATR
(Advanced Temperature Regulation)
The integrated ATR technology regulates the output of the EDC33 according to the working conditions and ambient environment to maintain optimal performance.

Power Indication

- When the light is on, the Power Indicators will become steadily turned on to indicate the remaining battery power.
- Half-press the Tail Button and the Power Indicators will be on to indicate the remaining battery power (lockout modes excluded).

Note: The battery should be recharged when the output appears to be dim or the flashlight becomes unresponsive due to low power.

Status of Indicators	Power Level
4 Constant-on	75% – 100%
3 Constant-on	50% – 75%
2 Constant-on	25% – 50%
1 Constant-on	0% – 25% (Please charge the product as soon as possible)

Sensor Protection Function

- When the flashlight is at HIGH, if the built-in optical sensor detects an obstruction ahead, the flashlight brightness will automatically decrease to 300 lumens to prevent overheating and prolong the lifespan of the

flashlight.

- Once the obstruction is removed, the flashlight will return to the previous brightness level. The sensitivity of the sensor may differ due to variations in the color and material of obstructions.

Note: It is important to keep the front lens clean to ensure that the built-in sensor functions properly to achieve its optimal performance.

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Documents / Resources

	NITECORE EDC33 EDC Flashlight [pdf] User Manual EDC33 EDC Flashlight, EDC33, EDC Flashlight, Flashlight

References

- N ____
- N **NITECORE** ____
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- **User Manual**