

FLASHLIGHT EDC SERIES/EDC31 NITECORE

Model: EDC31

Manufacturer: NITECORE

EAN: 6952506408788

Product Code: 407482

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The Nitecore EDC31 is a compact yet powerful tactical Everyday Carry (EDC) flashlight, officially released on January 6th, 2025. It's designed to offer a balance of high performance, versatile lighting, and robust durability for daily use and tactical situations.

Innovative Lighting System

- **NiteLab UHi 20 MAX LED**: The EDC31 utilizes Nitecore's proprietary 9-core UHi 20 MAX LED. This unique design features a central "Ultra Mini Main Core" for concentrated throw and is surrounded by eight smaller square emitters for wide flood illumination. This allows the flashlight to offer both focused long-range beams and broad area lighting.

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- **Dual Beam Functionality**:
    - **SEARCH Mode**: Activates a tactical spotlight with up to **1,500 lumens** and an impressive beam distance of **380 meters** (approx. 415 yards), ideal for identifying distant objects. This mode primarily uses the central LED core.
    - **LUMIN SHIELD™ Mode**: Unleashes a blinding **3,500 lumens** in a wide, wall-of-light flood beam, perfect for immediate threat assessment, self-defense, or illuminating a large area. This mode engages all nine LED cores.
- **Multiple Brightness Levels**: Beyond the special modes, it offers 4 standard brightness levels (Ultralow, Low, Mid, High) for everyday tasks, ranging from 5 lumens (Ultralow) for extended runtime up to 1,100 lumens (High).
- **No Strobe Mode**: Notably, the EDC31 typically does not include a traditional strobe mode, focusing instead on the LUMIN SHIELD™ as its primary disorienting output.

User Interface and Control

- **Two-Stage Electronic Tail Switch**: The EDC31 features a unique two-stage electronic tail switch. This allows for:
    - **Full press**: Turns the light on/off. When held, it activates LUMIN SHIELD™.
    - **Half press**: Cycles through standard brightness levels (Ultralow, Low, Mid, High). When held, it activates SEARCH mode.
    - This provides intuitive one-handed operation and quick access to tactical outputs.
- **Rapid Lock™ System**: A physical slide switch on the tailcap provides two lockout modes to prevent accidental activation:

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    - **Half Lockout**: Disables constant-on modes but allows instant access to SEARCH and LUMIN SHIELD™.
    - **Full Lockout**: Disables all functions.
    - This system offers fast and reliable locking/unlocking.
- **Mode Memory**: The flashlight remembers the last used standard brightness level.

Integrated Battery and Charging

- **Built-in 18650 Li-ion Battery**: The EDC31 is powered by a high-capacity, built-in 3,800mAh 18650 Li-ion battery. This integrated design contributes to its compact size.
- **USB-C Rechargeable**: It features a convenient USB-C charging port on the body. A full charge can be achieved in approximately **1 hour 45 minutes** using a 5V/2A adapter.
- **Power Indicators**: Four green LED indicators around the tail switch display the battery's charge level, keeping you informed of remaining power.
- **Advanced Power Cut-Off (APC)**: This technology ensures ultra-low standby power consumption, preserving battery life when not in use.

Design and Durability

- **Compact and Lightweight**: With a length of 113.2mm (4.46 inches) and a weight of just 100g (3.53 oz) (including clip), the EDC31 is designed for easy everyday carry and discreet pocket stowing.
- **Durable Construction**: Made from aerospace-grade aluminum alloy with a HA III military-grade hard-anodized finish, providing excellent resistance to wear, corrosion, and impacts.

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- **Textured Grip**: Features a textured body surface for a secure and comfortable grip, even in wet conditions or with gloves.
- **IP68 Rating**: Waterproof and dustproof, submersible up to 2 meters.
- **Impact Resistance**: Withstands impacts from up to 2 meters.
- **Optical Lenses**: Equipped with optical lenses that have a double-sided scratch-resistant coating.
- **Pocket Clip and Lanyard**: Comes with a sturdy pocket clip for versatile carrying options and a lanyard.
- **Tail Standing**: The design allows for tail standing, enabling hands-free illumination.

Performance Summary (Approximate, based on manufacturer data with 3,800mAh battery):

- **LUMIN SHIELD™**: **3,500 lumens**; Beam Distance: 330m
- **SEARCH**: **1,500 lumens**; Beam Distance: 380m
- **High**: **1,100 lumens**; Runtime: 4 hours; Beam Distance: 200m
- **Mid**: **300 lumens**; Runtime: 5 hours; Beam Distance: 173m
- **Low**: **70 lumens**; Runtime: 24 hours; Beam Distance: 85m
- **Ultralow**: **5 lumens**; Runtime: 57 hours; Beam Distance: 20m

The Nitecore EDC31 is a robust and highly functional EDC flashlight that excels in providing both powerful flood and focused throw capabilities, making it a strong contender for anyone needing a reliable and versatile light for daily carry or professional use.

Vendor Homepage: flashlight.nitecore.com/product/edc31 | Product colour: Black | Flashlight type:

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Hand flashlight | Lamp type: LED | Light output (max): 3500 | Light beam distance (max): 380 | Rechargeable battery: Yes | Battery technology: Lithium-Ion (Li-Ion) | Battery capacity: 3800 | Battery life (max): 57 | Weight: 100 | Unit Calculated Weight: 0.17 | Battery weight: 49 | Battery: Lithium-Ion rechargeable | Product Net Weight: 0.1 | Unit Calculated Volume: 0.000434 | Units per Shipping Box: 1 | Unit Width: 7 | Shipping Box Height: 4 | Unit Depth: 15.5 | Unit Height: 4 | Name: FLASHLIGHT EDC SERIES/EDC31 NITECORE | Model: EDC31

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