EC21

Features

· Utilizes CREE XP-G2 (R5) LED
· Maximum output of 460 lumens
· Integrated "Precision Digital Optics Technology" provides extreme reflector performance
· Boasts a peak beam intensity of 9400 cd and a throw distance of up to 194 meters
· Dual-switch design ensures unprecedented ease of use
· Secondary red LED provides constant / flashing illumination
· Indicates battery voltage with a red flashing LED (accurate to 0.1V)
· High efficiency constant current circuit enables maximum runtime of up to 430 hours
· Direct access to ultra-low and turbo output
· Reverse polarity protection prevents damage from incorrectly inserted batteries
· Detachable two-way anti-rolling clip
· Toughened ultra-clear mineral glass with anti-scratch coating
· Constructed from aero grade aluminum alloy
· HAIII military grade hard-anodized
· Waterproof in accordance with IPX-8 (2 meters submersible)
· Impact resistant to 1.5 meters
· Tail stand capability

Dimensions

Length: 4.25" (108mm)
Head diameter: 1" (25.4mm)
Tail diameter: 1" (25.4mm)
Weight: 2.10oz (59.5 gram) (without battery)

Accessories

Quality holster, Clip, lanyard, spare O–ring

Output & Runtime

Operating Instructions

Battery installation

Insert two CR123 batteries or one 18650 battery as illustrated
NOTE: After loading the batteries, the secondary red LED will flash to indicate battery voltage. Please refer to the "Power Tips" section of this manual for details.
WARNING:
Ensure batteries are inserted with the positive (+) end pointing towards the head. The EC21 will not be operational with incorrectly inserted batteries.

Instant Ultra-low Output

With the light switched off, press and hold the ON/OFF button   for more than one second to access ultra-low mode (1 lumen).

Instant Turbo Output

With the light switched off, press and hold the MODE button   for more than one second to access turbo mode (460 lumens).
NOTE: When in turbo mode, the EC21 will adjust output luminance automatically within 20 minutes of use to prevent overheating and extend battery longevity.

Red Light / Signal Light Mode

With the light switched off, press the MODE button   to enter red light mode. In this mode, the secondary red LED will illuminate steadily.
When in red light mode, press and hold the MODE button   for more than one second to enter signal light mode. In this mode, the secondary red LED will flash to serve as a signal light. Simply press any button to exit the red light /signal light mode.

Special modes (Strobe/Location/SOS)

With the light switched on, press and hold the MODE button   for more than one second to enter Strobe mode. When in strobe mode, press and hold the MODE button   for more than one second again to cycle through Location Beacon, SOS and Strobe modes. To exit, simple press the MODE button   to return to the brightness level last used, or press the ON/OFF button   to switch the light off.

Strobe Ready

With the light switched off, press the MODE button   twice in quick succession to enter Strobe mode. To exit, simply press any button.

Lockout / Unlock

With the light switched on, press and hold the ON/OFF button   and the MODE button   simultaneously for over one second to switch the light off and enter lockout mode. In lockout mode, the EC21 conserves battery power for over 12 months; the two buttons on EC21 will not work, thus preventing accidental activation of the light. To exit lockout mode, simply press and hold the ON/OFF button   and the MODE button   simultaneously for over one second again.
NOTE:
1. When entering lockout mode, the secondary red LED will continuously flash to indicate battery voltage. Please refer to the "Power Tips" section for more details.
2. When the EC21 is kept in a backpack or left unused for extended periods, Nitecore recommends the tailcap is loosened or batteries are removed to cut off the power entirely, thus preventing accidental activation of the flashlight or battery leakage.

Power Tips

After battery installation or lockout mode activation, the secondary red LED will flash to indicate battery voltage (accurate to 0.1V). For example, when battery voltage is at 4.2V, the red LED will flash 4 times, followed by a one second pause and another 2 flashes. Different voltages represent the corresponding remaining battery power levels: