NITECORE®
The All-Round Flashlight Expert

P30 User Manual

Features
- Utilises a CREE XP-L HI V3 LED
- High efficiency constant current circuit provides maximum output up to 1000 lumens
- Precision Digital Optic Technology (PDOT) ensures superior beam uniformity
- Maximum throw up to 618 metres
- Side switch designed for tactical applications provides easy access to 5 brightness levels and 3 special modes
- Memory function (Excluding SOS and Beacon)
- Built-in power indicator reports battery voltage (Patent No. ZL201220057767.4)
- Advanced Temperature Regulation (ATR) module automatically adjusts brightness according to operating temperature to maintain optimal performance
- Electric reverse polarity protection
- Aerospace grade aluminum alloy construction
- Titanium plated pocket clip
- Mineral optic lens with anti-reflective coating
- HAIII hard anodising
- Waterproof in accordance with IPX8 (2 metres submersible)
- Impact resistant to 1.5 metre

Dimensions
Length: 5.57" (141.5mm)
Head diameter: 1.96" (50mm)
Tail diameter: 1" (25.4mm)
Weight: 5.83oz (165gram) (without battery)

Accessories
Included: Holster, O-ring, Lanyard, Switch cover, Clip,Tactical ring, CR123 battery magazine
Optional: Remote switch RSW1, Filters(NFR50, NFG50)

Battery Options

	TYPE	Nominal voltage	Compatible
18650 Rechargeable Li-ion battery	18650	3.7V	Yes (Recommended)
Primary Lithium battery *	CR123	3V	Yes
Rechargeable Li-ion battery *	RCR123	3.7V	Yes

Output & Runtime

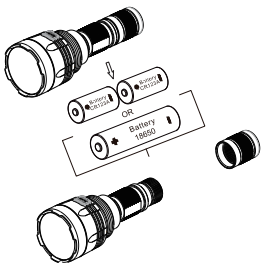
FL 1 STANDARD	TURBO	HIGH	MID	LOW	LOWER
	1000 LUMENS	400 LUMENS	220 LUMENS	70 LUMENS	1 LUMEN
18650	*1h	3h	5h	17h	680h
2×CR123	*45min	2h	3h	10h15min	340h
	618m (Beam Distance)				
	95,500cd (Peak Beam Intensity)				
	1.5m (Impact Resistant)				
	IPX-8, 2m (Waterproof AND Submersible)				

NOTICE:
The stated data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1, using 1 x Nitecore 18650 battery (3.7V, 3400mAh) or 2 x CR123 batteries (3V, 1700mAh) under laboratory conditions. The data may vary in real-world use due to different battery use or environmental conditions.

*Runtime for turbo mode is calculated based on theoretical arithmetic.

Operating Instructions
Battery installation
Insert 1 x 18650 or 2 x CR123 batteries with the positive polarity pointing towards the head, as illustrated in the diagram to the right.

Cautions:
1. Avoid direct eye exposure, this may impair vision.
2. Do not insert batteries backward.



Momentary Illumination
Hold the tail switch half way down to turn on momentary illumination, release the switch to turn it off.

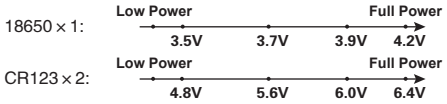
ON/OFF
Press the tail switch all the way down until a "click" is heard to turn on the P30, press the tail switch again until a "click" is heard to turn the light off.

Brightness Adjustment
With the light turned on, press the side switch repeatedly to cycle through Lower - Low - Mid - High - Turbo, the P30 comes with memory function for these brightness settings.

Special Modes (Strobe/SOS/Beacon)
With the light turned on, hold down the side switch for 1 second to switch on strobe, holding down the side switch again for 1 second switches to SOS, repeat the process to cycle through Strobe - SOS - Beacon. To exit special mode, press the side switch.

ATR Technology
Advanced temperature regulation (ATR) technology allows the P30 to dynamically adjust output performance according to its body temperature. This prevents damage from overheating and prolongs its working life.

Battery Indication
With the light turned off, pressing the tail switch whilst holding down the side switch activates the built in battery indicator underneath the side switch, the indicator will blink in various patterns to report battery voltage, accurate to 0.1V. For instance, when battery voltage is 4.2V, the indicator will blink 4 times followed by a short pause, then another 2 blinks. After voltage reporting, the P30 will turn on in the previous mode when it was turned off.



Battery Alert
With the light turned on, the power indicator will get activated as soon as battery power drops below 50%, and starts blinking slowly; when battery level drops below 10%, the power indicator will blink rapidly.

Replacing batteries
Batteries should be replaced when output appears to be dim and unresponsive, or when the power indicator is blinking rapidly.

Maintenance
Every 6 months, threads should be wiped with a clean cloth followed by a thin coating of silicon-based lubricant.

Warranty Details
Our authorized dealers and distributors are responsible for warranty service. Should any problem covered under warranty occurs, customers can contact their dealers or distributors in regards to their warranty claims, as long as the product was purchased from an authorized dealer or distributor. NITECORE's Warranty is provided only for products purchased from an authorized source. This applies to all NITECORE products.

Any DOA / defective product can be exchanged for a replacement through a local distributor/dealer within the 15 days of purchase. After 15 days, all defective / malfunctioning NITECORE® products can be repaired free of charge for a period of 60 months (5 years) from the date of purchase. Beyond 60 months (5 years), a limited warranty applies, covering the cost of labor and maintenance, but not the cost of accessories or replacement parts.
The warranty is nullified if the product(s) is/are broken down, reconstructed and/or modified by unauthorized parties, or damaged by batteries leakage.

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

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Thanks for purchasing NITECORE!