NITECORE®
The All-Round Flashlight Expert

NU20/NU20 CRI
User Manual

Features
· Highly portable headlamp
· Multiple colour temperature options available
· NU20: Fitted with a CREE XP-G2 S3 LED
· NU20 CRI: Fitted with a Nichia 219B LED, CRI≥90
· Built-in Li-ion battery provides runtime up to 100 hours
· Onboard USB charging circuit
· Single switch user interface design offers easy one-handed operation
· Built-in power indicator (Patent No. ZL201220057767.4)
· 4 brightness level and 2 special modes available
· Unique switch guard to prevent accidental activation
· Textured reflector
· 52°adjustable illumination angle
· Made from durable PC materials
· Lightweight and compact dimensions
· Impact resistant to 1.5 metre

Dimensions
Size: 2.18"×1.29"×0.82"(with bracket)
Weight: 1.66oz(with battery and bracket)

Accessories
USB cord

Output & Runtime

NU20

FL1 STANDARD	TURBO	HIGH	MID	ULTRALOW
☀	360 LUMENS	220 LUMENS	40 LUMENS	1 LUMEN
⏱	*30min	6h	7h45min	100h
◄	80m (Beam Distance)			
◎	1,600cd (Peak Beam Intensity)			
✓	1.5m (Impact Resistant)			
〰	IPX7, 1m (Waterproof AND Submersible)			

NU20 CRI

FL1 STANDARD	TURBO	HIGH	MID	ULTRALOW
☀	270 LUMENS	170 LUMENS	30 LUMENS	1 LUMEN
⏱	*30min	6h	7h45min	100h
◄	69m (Beam Distance)			
◎	1,200cd (Peak Beam Intensity)			
✓	1.5m (Impact Resistant)			
〰	IPX7, 1m (Waterproof AND Submersible)			

NOTICE: Stated data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1 using an integrated and fully charged 3.7V 600mAh rechargeable Li-ion battery under laboratory conditions. End-user results may vary due to individual usage habits and environmental conditions.
*Runtime for turbo mode is calculated based on theoretical arithmetic.

Operating Instructions
ON/OFF
Draw out the NU20/NU20 CRI to expose the switch from the switch guard as illustrated in the diagram below, press the switch to turn the light on, pressing the switch again after 3 second to turn the light off.
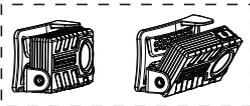
Note: Pressing the switch again within 3 second from when the light is turned on will switch output to the next available brightness.

Brightness Adjustment
Press the switch repeatedly within 3 second from the initial activation will switch output from ultralow-mid-high-off. Pressing the switch again after 3 second from initial activation turns the light off.

Access to Turbo
With the light turned on, hold down the switch for more than 1 second to enter turbo mode (360 lumens for NU20 and 270 lumens for NU20 CRI).
Note: The turbo mode will run for 30 second before stepping down to the next available output to prevent overheating.

Special Modes (SOS/Location Beacon)
With the light turned off, hold down the switch for over 3 second to enter SOS, pressing the switch again within a 3 second interval to switch to location beacon. To exit special mode, press the switch in location beacon mode, alternatively, cease any operation for 3 second then press the switch again.

Power Tips
With the light turned off, hold down the switch for 1 second, the power indicator will blink to indicate remaining battery power upon the release of the switch: 3 blinks represent battery power above 50%, 2 blinks represent battery power below 50%, 1 blink represents battery power below 10%.
Note: Recharge the product when output appears to be dim and/or unresponsive.

Recharging
1. This product is USB rechargeable. Raise the micro-USB port cover to expose the charging port, connect the port to a power supply with a USB cord to initiate the charging process. Fully charges the battery take approximately 2 hours.
2. Charging Tip: A red light under the switch will be lit to indicate charging in progress, and it will turn green upon charging completion.

Warranty Details
All NITECORE products are warranted for quality. Any defective /malfunctioning NITECORE Tube can be repaired free of charge for a period of 12 months from the date of purchase. Beyond 12 months, a limited warranty applies, covering the cost of labor and maintenance, but not the cost of accessories or replacement parts. The warranty is nullified in either or both of the following situations:
1. The product(s) is/are broken down, reconstructed and/or modified by unauthorized parties.
2. The product(s) is/are damaged through 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.

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