

# 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 metre

## Dimensions

Size: 2.18"×1.29"×0.82"(with bracket)  
 Weight: 31g (1.09oz) (with battery and bracket, without headband)

## Accessories

USB cord, head band, holder

## Output & Runtime

### NU20

FL1 STANDARD	TURBO	HIGH	HD	ULTRALOW	SOS	BEACON
360 LUMENS	220 LUMENS	40 LUMENS	1 LUMENS	360 LUMENS	360 LUMENS	
⌚ *30min	6h	7h45min	100h	—	—	
📏 80m	60m	27m	5m	—	—	
💡 1600cd	920cd	180cd	6cd	—	—	
1M Impact Resistant						
IPX7, 1M (Waterproof AND Submersible)						

### NU20 CRI

FL1 STANDARD	TURBO	HIGH	HD	ULTRALOW	SOS	BEACON
270 LUMENS	170 LUMENS	30 LUMENS	1 LUMENS	270 LUMENS	270 LUMENS	
⌚ *30min	6h	7h45min	100h	—	—	
📏 69m	45m	19m	3m	—	—	
💡 1200cd	500cd	90cd	3cd	—	—	
1M Impact Resistant						
IPX7, 1M (Waterproof AND Submersible)						

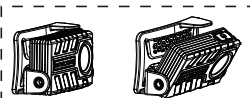
**NOTICE:** Stated data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1 using an integrated and fully charged 3.7V 600mAh rechargeable Li-ion battery under laboratory conditions. End-user results may vary due to individual usage habits and environmental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

\* The runtime for Turbo mode is the testing result before starting temperature regulation.

## 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 ultra-low-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.

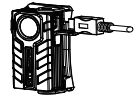
## Power Tips

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 product 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](mailto:service@nitecore.com).

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