



## NITECORE Flashlight User Manual

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## NITECORE Flashlight User Manual



## Features

- Utilizes a LUMINUS SBT-90 GEN2 LED with a max output of 5,200 lumens
- Maximum beam intensity of 562,500cd and maximum throw of 1,500 meters
- Multifunctional OLED real-time display for lumens, voltage, runtime, temperature
- Thermal regulation function prevents overheating
- Intelligent charging circuit ensures a safe charging process
- Highly efficient constant current circuit provides a stable output
- Dual side switches control 4 brightness levels and 3 special modes
- An optical system combined with crystal coating and “Precision Digital Optics Technology” (PDOT)
- Optimal heat dissipation to improve overall performance
- Optical lenses with double-sided scratch resistant coating
- Constructed from aero grade aluminum alloy
- HA III military grade hard-anodized finish
- Rating in accordance with IP68 (2 meters submersible)

## Specifications

### TM39:

Length: 276mm (10.87")

Head Diameter: 90mm (3.54")

Tail Diameter: 50mm (1.97")

Weight: 1361g (48.01oz) (Battery Pack Included)

### TM39 Lite:

Length: 195mm (7.68")

Head Diameter: 90mm (3.54")

Tail Diameter: 50mm (1.97")

Weight: 876g (30.9oz) (Batteries Not Included)

## Accessories

AC Adapter (3.5mm), Quality Sling, Lanyard, Spare O-ring, Spare Charging Port Cover

## Battery Options

**TM39:** NBP68HD Ultra High Performance Li-ion Battery Pack

Model	NBP68HD
Capacity	98Wh (3400mAh×8)
Voltage	3.7V
Charging Current	2A (Standard Charge) / 4A (Fast Charge)
Charging Port	3.5mm 12V DC Port / 4.0mm 12V DC Port







**TM39 Lite:**

	Type	Nominal Voltage	Compatibility
NITECORE NL1835HP (3500mAh)	18650	3.6V	Y (Recommended and Rechargeable)

IMR 18650 Rechargeable Li-ion Battery (Button-topped)	IMR18650	3.6V/3.7V	Y (Recommended and Rechargeable)
18650 Rechargeable Li-ion Battery (Discharge Current over 8A)	18650	3.6V/3.7V	Y (Recommended and Rechargeable)
Primary Lithium Battery	CR123	3V	N (Incompatible and Not Rechargeable)
Rechargeable Li-ion Battery	RCR123	3.6V/3.7V	N (Incompatible and Not Rechargeable)
18650 Rechargeable Li-ion Battery (Discharge Current below 8A)	18650	3.6V/3.7V	N (Incompatible)

## Technical Data







TM39:

FL1 STANDARD	TURBO	HIGH	MID	LOW	STROBE	SOS	BEACON
	5,200 Lumens	2,000 Lumens	800 Lumens	200 Lumens	5,200 Lumens	5,200 Lumens	5,200 Lumens
	*1h30min	*4h	10h	36h	—	—	—
	1,500m	950m	600m	300m	—	—	—
	562,500cd	225,600cd	90,000cd	22,500cd	—	—	—
	1m (Impact Resistance)						
	IP68, 2m (Waterproof and Submersible)						

**Note:** The stated data is measured in accordance with the international flashlight testing standards ANSI/PLATO FL 1-2019, using the NBP68HD Battery Pack under laboratory conditions. The data may vary in real world use due to different battery usage or environmental conditions

\* The runtime for TURBO/HIGH Level is tested without the temperature regulation.

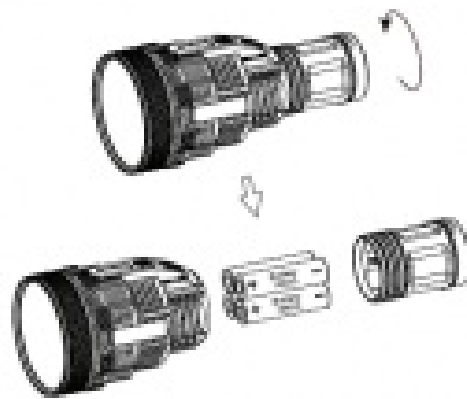
**TM39 Lite:**

FL1 STANDARD	TURBO	HIGH	MID	LOW	STROBE	SOS	BEACON
	5,200 Lumens	2,000 Lumens	800 Lumens	200 Lumens	5,200 Lumens	5,200 Lumens	5,200 Lumens
	*45min	*2h	5h	20h	—	—	—
	1,500m	950m	600m	300m	—	—	—
	562,500cd	225,600cd	90,000cd	22,500cd	—	—	—
	1m (Impact Resistance)						
	IP68, 2m (Waterproof and Submersible)						

**Note:** The stated data is measured in accordance with the international flashlight testing standards ANSI/PLATO FL 1-2019, using 4 x 18650 Li-ion batteries (3,500mAh) under laboratory conditions. The data may vary in real world use due to different battery usage or environmental conditions.

\* The runtime for TURBO/HIGH Level is tested without the temperature regulation.

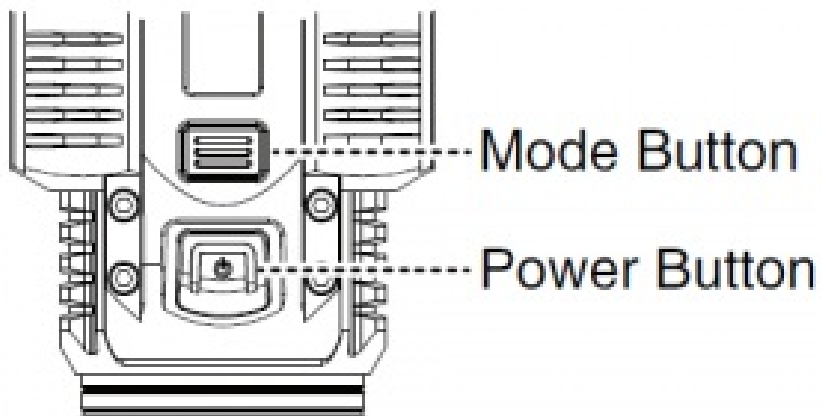
## Battery Installation



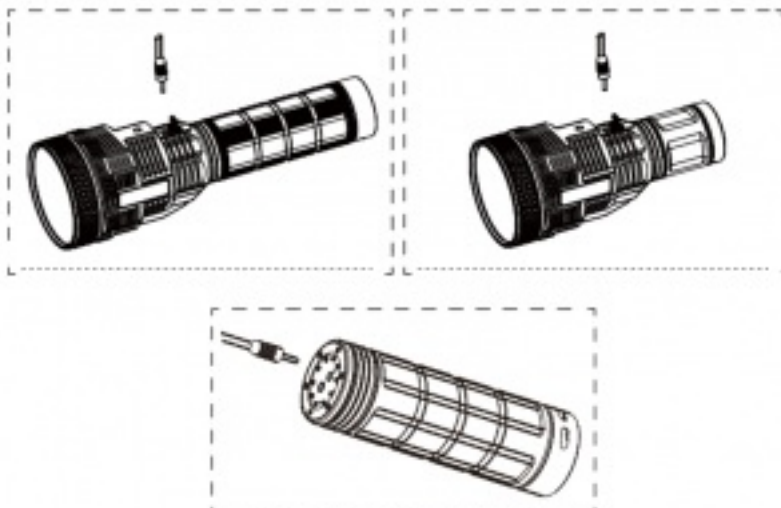
**TM39**

**TM39 Lite**

## Operating Instructions



## Charging Function



## Warranty Service



All NITECORE® products are warranted for quality. Any DOA / defective product can be exchanged for a replacement through a local distributor/dealer within 15 days of purchase. After that, all defective / malfunctioning NITECORE® products can be repaired free of charge within 60 months from the date of purchase. Beyond 60 months, a limited warranty applies, covering the cost of labor and maintenance, but not the cost of accessories or replacement parts. The warranty will be nullified if

1. the product(s) is/are broken down, reconstructed and/or modified by unauthorized parties
2. the product(s) is/are damaged due to improper use; (e.g. reversed polarity installation)
3. the product(s) is/are damaged due to battery

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)

All images, text and statements specified herein this user manual are for reference purpose only. Should any discrepancy occur between this manual and information specified on [www.nitecore.com](http://www.nitecore.com), Sysmax Innovations Co., Ltd. reserves the rights to interpret and amend the content of this document at any time without prior notice.

## Operating Instructions

### Battery Installation

TM39: Install the NBP68HD Battery Pack as illustrated.

TM39 Lite: Insert the battery(s) with the positive end towards the head as illustrated and screw to tighten the tube. In emergency situations, 1 – 3 x 18650 batteries can be used. Please refer to note 1 in the Warnings Section below.

### Warnings:

1. Using less than 4 x 18650 batteries might trigger the overload protection circuit in Li-ion batteries, which might lead to explosion or inaccessibility to the TURBO/HIGH In this case, it is recommended to use the product with caution and only when necessary.
2. Ensure the 18650 battery(s) is/are inserted with the positive end towards the The product might be damaged if the battery(s) is/are incorrectly inserted.
3. DO NOT mix rechargeable and non-rechargeable
4. DO NOT mix batteries of different types/brands.
5. DO NOT mix batteries of different power
6. The product is only compatible with button-topped 18650 Li-ion
7. CAUTION! Possible dangerous radiation! Don't look into the light! Maybe dangerous for your
8. When the power level is low, please stop using the product and replace or recharge the battery to prevent damage to the

### Multifunctional OLED Display

- After the battery pack installation / battery insertion, the OLED display will show the text "NITECORE" followed by the battery voltage ( $\pm 0.01V$ ) and battery level, before going off and accessing the Standby status in 10 seconds.
- When the TM39/TM39 Lite is turned on, the display will show the current information of the flashlight including brightness level, beam distance, lumen output, battery voltage, battery level, runtime remaining and temperature, before going off in approx. 30 seconds. When the display is off, short

pressing the Mode Button can reactivate the display.

## **On / Off**

On: When the light is off, short press the Power Button to turn it on.

Off: When the light is on, short press the Power Button to turn it off.

**Note:** Please remove the lens protector before the first use.

## **Brightness Levels**

When the light and the display is on, short press the Mode Button to cycle through the following brightness levels: LOW – MID – HIGH.

(This access has memory function. When reactivated, the flashlight will automatically access the previous memorized brightness level.)

**Note:** When the display is off, short press the Mode Button to activate the display. After the display is activated, short press the Mode Button to adjust the brightness level.

## **TURBO Activation**

When the light is on/off, long press the Mode Button to access TURBO.

## **Direct Access to LOW**

When the light is off, long press the Power Button to directly access LOW.

## **Special Modes (STROBE / SOS / BEACON)**

When the light is on, double press the Power Button to access the STROBE Mode. After the STROBE Mode is on, short press the Mode Button to cycle through the following special modes: SOS – BEACON – STROBE. When one of the special modes is on, short press the Power Button to exit special modes and turn off the light. (When one of the special modes is selected, the display will indicate the current special mode.)

## **Charging Function**

The TM39/TM39 Lite is equipped with an intelligent charging system. As illustrated, use the AC adapter to connect a power outlet to the charging port of the tube to begin the charging process.

- During the charging process, the display will show the battery voltage and the charging battery. When the battery is fully charged, the battery level will show full.
- When the charging process is abnormal, the display will show the text "ERROR".
- When the light is on, connecting to a power source will automatically turn the light. The light

will return to its previous status when it is disconnected from the power source.

- The charging time for the TM39 Lite to charge 4 x 18650 Li-ion batteries (3,500mAh) is 8 hours.

The included AC adapter of the TM39 can also charge the NBP68HD Battery Pack directly. As illustrated, use the AC adapter to connect a power outlet to the charging port (2A, 3.5mm) of the battery pack to begin the charging process. During the charging process, the blue indicator will flash quickly to inform the user. When the charging process is close to completion (98%), the indicator will flash slowly. When the charging process is complete, the

indicator will be steadily turned on.

- The charging time for the TM39 or NBP68HD Battery Pack is 15 hours.
- The NBP68HD Battery Pack can also be charged with the fast charging AC adapter as an optional accessory via the fast charging port (4A, 0mm). In this case, the charging time is reduced to approx. 8 hours, half of the standard charging time.

## Lockout / Unlock

Lockout: When the light is on, press and hold the Power Button until the flashlight flashes once before going off and the display shows the text “LOCK” to access Lockout Mode.

Unlock: In Lockout Mode, press and hold both buttons to exit Lockout Mode and return to its previous status.

### Note:

1. When either button is pressed in Lockout Mode, the display will show “LOCK” to indicate that the flashlight is locked.
2. When the product is kept in a backpack or left unused for prolonged time, please remove all batteries to prevent accidental activation or battery

## Thermal Regulation

The TURBO/HIGH Level will produce massive heat during long-time activation and might cause discomfort of the user. Therefore, it is not recommended to use the TURBO/HIGH Level for a prolonged time. The thermal regulation of the TM39/TM39 Lite can automatically lower its output when its temperature reaches 60°C (140°F) or higher.


**Note:** DO NOT submerge the flashlight into any liquid when it is hot. Doing so may cause irreparable damage to the light due to the difference of air pressure inside and outside of the tube.

## Maintenance

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

## ***Read More About This Manual & Download PDF:***

## Documents / Resources

	<a href="#">NITECORE Flashlight</a> [pdf] User Manual Flashlight, TM39, TM39
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## References

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-  [NITECORE](#)

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