

Features

- The world's smallest rechargeable LED searchlight with a maximum throw of 1100 meters
- Utilizes a LUMINUS SBT-70 (PA-C2) LED
- Integrated multi-function OLED display
- Thermal protection circuit prevents overheating
- Intelligent charging circuit with voltage detection charges safely and rapidly
- Eight rapidly switchable brightness levels and modes to select from
- Innovative single button two-stage switch provides a user-friendly interface (patented)
- Integrated power indicator in the switch displays remaining battery power (patented)
- Optimal heat dissipation to improve overall performance
- Toughened ultra-clear mineral glass with anti-reflective coating
- Integrated "Precision Digital Optics Technology" provides extreme reflector performance
- Constructed from aerospace grade aluminum alloy
- HAIII military grade hard-anodized
- Waterproof in accordance with IPX-8 (submersible to two meters)

Dimensions

TM36:

Length: 10.94" (278mm)
 Head diameter: 3.54" (90 mm)
 Tube diameter: 1.97" (50mm)
 Weight: 47.41oz (1344g)
 (with battery pack)

TM36 Lite:

Length: 7.68" (195mm)
 Head diameter: 3.54" (90 mm)
 Tube diameter: 1.97" (50mm)
 Weight: 31.24oz (885.5g)
 (without battery)

Accessories

Standard charger adapter, shoulder strap and spare O-ring

Battery Options

TM36: Powered by an ultra-high performance NBP52 battery pack

Specifications	Parameters
Capacity	65Wh(2300mAh x 8)
Voltage	3.7V
Charging Current	1A (Trickle charge) /2A (Rapid charge)
Charging Port	3.5mm 12V DC Adpater / 4.5mm 12V DC Adpater

TM36 Lite:

	TYPE	Nominal voltage	Compatibility
18650 Rechargeable Li-ion battery	18650	3.7V	Yes (Recommended and can be recharged)
IMR18650 battery	IMR18650	3.6V	Yes (Recommended and can be recharged)
Primary Lithium battery *	CR123	3V	Yes (Compatible but can NOT be recharged)
Rechargeable Li-ion battery *	RCR123	3.7V	Yes (Compatible but can NOT be recharged)

Warning: Charge rechargeable 18650 Li-ion/IMR batteries only. Do not charge CR123 or RCR123 batteries.

Brightness & Runtime

TM36:

FL1 STANDARD	TURBO	HIGH	MID	LOW	LOWER
	1800 LUMENS	800 LUMENS	400 LUMENS	200 LUMENS	50 LUMENS
	1h45min	5h30min	11h	21h	67h
	1100m (Beam Distance)				
	310000cd (Peak Beam Intensity)				
	1.5m (Impact Resistant)				
	IPX-8, 2m (Waterproof AND Submersible)				

NOTICE

1. The above data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1 using the Nitecore NBP52 battery pack under laboratory conditions. The data may vary during real-world use due to battery type, individual usage habits and environmental factors.

TM36 Lite:

FL1 STANDARD	TURBO	HIGH	MID	LOW	LOWER
	1800 LUMENS	800 LUMENS	400 LUMENS	200 LUMENS	50 LUMENS
	1h	3h15min	6h45min	12h30min	37h
	55min	2h40min	5h30min	9h30min	30h
	1100m (Beam Distance)				
	310000cd (Peak Beam Intensity)				
	1.5m (Impact Resistant)				
	IPX-8, 2m (Waterproof AND Submersible)				

NOTICE

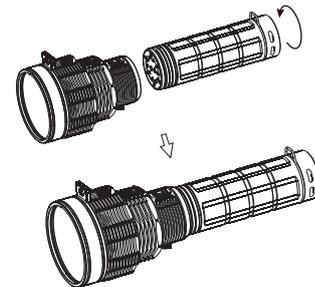
The above data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1 using 4 x Nitecore 18650 (3.7V 2600mAh) or 8 x Nitecore CR123 (3V 1700mAh) batteries under laboratory conditions. The data may vary during real-world use due to battery type, individual usage habits and environmental factors.

NITECORE (SYSMAX) is a member of PLATO, participating in and helping to develop the ANSI FL1 standard of measurement. Product testing data is in accordance with these internationally recognized scientific standards.

Operating Instructions

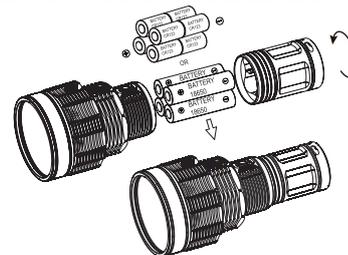
Battery installation

TM36: Screw on the NBP52 battery pack as illustrated.



TM36 Lite:

Install 4 x 18650 Li-ion or 8 x (R) CR123 batteries with the positive ends (+) pointing outward and tighten the tube. In emergency situations, between one to three 18650 Li-ion batteries or between two to six (R) CR123 batteries may be used. Please see note 1 in the WARNING section below.



WARNING

1. Using less than 4 x 18650 or 8 x (R) CR123 batteries might trigger the overload protection circuit in Li-ion batteries, lead to explosion of (R) CR123 batteries or turbo mode malfunctioning. As such Nitecore recommends this feature is used with caution and only when necessary.
2. Insert batteries with the positive (+) ends pointing outward.
3. Do not mix rechargeable and non-rechargeable batteries.
4. Do not mix batteries of different types/brands.
5. Do not mix batteries of different charge levels.
6. Please ensure that all 18650 batteries used in the TM36 Lite have a button top configuration.

OLED Display

1. After tightening the battery pack or loading batteries, "NITECORE" will be displayed on the OLED screen for 2.5 seconds followed by a 4-second display of battery voltage (accurate to 0.01V) after which the TM36/TM36 Lite will enter standby mode.
2. When the TM36/TM36 Lite is turned on, the OLED display will activate automatically and show output lumen, brightness level, battery voltage, battery status, remaining runtime and temperature. After displaying these readings, the OLED display will be off automatically. To reactivate the OLED, simply press the display switch. To cycle through the readings, press the display button repeatedly.

3. When the TM36/TM36 Lite is turned off, press the switch with the display button being held to enter **Demonstration mode**. In this mode, the OLED display will present functioning information of the TM36/TM36 Lite in a sequential order. To exit demonstration mode, simply press any button.
NOTE: Runtime information is calculated using benchmark parameters of NBP52 battery pack.

Mode Selection

NOTE: The TM36/TM36 Lite has two modes: **Daily Mode** and **Turbo Mode**. And these modes can be selected by the 2-stage switch according to the depth the switch is pressed. A halfway press will activate daily mode, and a full press will activate turbo mode. Please refer to instructions below.

Daily mode: With the light turned off, press the switch halfway and release within one second to enter this mode with constant-on illumination. Alternatively, press and hold the switch halfway for more than one second to activate momentary illumination with previous daily mode brightness.

Turbo mode: With the light turned off, press the switch all the way down and release within one second to enter this mode with constant-on illumination. Alternatively, press and hold the switch all the way down for more than one second to activate momentary illumination with max brightness.

Brightness Selection

1. In daily mode, press the switch halfway repeatedly to cycle through brightness levels of ultra-low, low, medium or high. Alternatively, press and hold the switch halfway for more than one second to enter turbo mode directly. A second halfway press will resume the brightness level last used. The selected brightness level will be memorized when the light is turned off.

2. In turbo mode, press the switch halfway to switch between high and turbo mode. This mode does not have memory effect.

NOTE: In turbo mode, the thermal protection will activate. Please refer to the "Thermal Protection" section for details.

Special Modes (Strobe / SOS / Location Beacon)

With the TM36/TM36 Lite turned on, press the switch all the way down twice in quick succession to access strobe mode. When in strobe mode, press the switch halfway repeatedly to cycle through SOS, location beacon and strobe modes. To exit special modes (and enter standby mode), simply press the switch all the way down and release.

NOTE: When in any of the special modes, the OLED display will remain on displaying the specific mode being used.

Lockout/Unlock

With the TM36/TM36 Lite turned on, press and hold the switch all the way down for more than one second until the flashlight is switched off and enters lockout mode. Lockout mode consumes almost no battery power and prevents accidental actuation of the flashlight. To exit lockout mode, simply press and hold the switch all the way down for more than one second again.

NOTE:

1. In lockout mode, the OLED display will show "LOCK OUT" as a reminder when the switch or the display button is pressed.
2. When the TM36/TM36 Lite is kept in a backpack or left unused for extended periods, Nitecore recommends users loosen the head to cut off power, thus saving battery power and preventing accidental actuation of the flashlight.

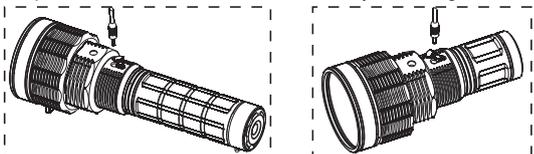
Switch off/Standby mode

With the TM36/TM36 Lite turned on, press the switch all the way down and release within one second to enter standby mode. In this mode, the light will consume small amounts of power to maintain the settings in the MCU (micro control unit) while appears to be turned off. When in standby mode the power indicator light will blink once every two seconds to indicate the location of the light.

NOTE: When in standby mode, a single press of the OLED display button will activate the OLED and display battery voltage for 10 seconds.

Charging TM36/TM36 Lite

Connect the charging cable of the TM36/TM36 Lite to the flashlight and the A/C power adapter to the wall outlet as shown in the adjacent images.



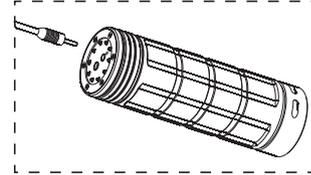
1. Under normal charging conditions, the on/off switch's blue indicator light will blink twice every second with the OLED screen displaying "Charging..." and battery voltage.

2. If a problem is detected during charging (e.g. faulty or incorrectly inserted batteries), the flashlight will stop charging automatically. The blue indicator will blink rapidly and the OLED display will show the word "ERROR" to notify users.

3. When charging is completed, the flashlight will stop charging automatically with the blue indicator remaining on and "Chg.Finished" along with battery voltage being displayed on the OLED screen.

NOTE: Fully charging four depleted 18650 Li-ion batteries (3.7V, 2600mAh) of the TM36 Lite takes approximately 7 hours.

The TM36's NBP52 battery pack can also be recharged independently. As shown, plug one end of the adapter to the battery pack charging port (1A, 3.5mm), and plug the other end to an outlet. The integrated blue charging indicator of NBP52 battery pack will blink rapidly when battery pack is being recharged, or blink slowly when battery power reaches 98%, or illuminate steadily when battery pack is fully charged.



NOTE:

1. Charging the TM36 or the NBP52 battery pack directly will require charging time of approximately 16 hours.
2. Charging time can be reduced to 8 hours if the NBP52 battery pack is recharged via the rapid charging port (2A, 4.5mm) using an optional 2A adapter.

Power Tips

1. With the light switched on, the power indicator will blink once every two seconds when power level drops to 50%.
2. With the light switched on, the power indicator will blink rapidly when power level is low. Batteries/battery pack should be replaced or recharged when any of the following occurs: The power indicator blinks rapidly, output appears to be dim or the flashlight becomes unresponsive.

NOTE: When the light is being used in ultra-low mode, the blue power indicator will be off to conserve power.

Thermal Protection

Extended operation in turbo mode will cause the temperature of TM36/TM36 Lite to continually rise, making it too scalding to hold. Thus, Nitecore does not recommend using the TM36/TM36 Lite in turbo mode for extended periods. Equipped with an integrated thermal protection circuit, the TM36/TM36 Lite will automatically reduce its output to prevent overheating once temperature has reached 60 degree Celsius.

Precaution: Do not attempt to cool a heated TM36/TM36 Lite by submerging it in liquid. This may cause irreparable damage to the TM36/TM36 Lite due to air pressure difference 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.

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 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 in all 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.
3. The product(s) is/are damaged by leakage of batteries.

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

The Nitecore official website shall prevail in case of any product data changes.

SYSMAX inc.

SYSMAX Industry Co., Ltd.

TEL: +86-20-83862000

FAX: +86-20-83882723

E-mail: info@nitecore.com

Web: www.nitecore.com

Address: Rm1401-03 Glorious Tower, 850 East Dongfeng Road, Guangzhou, China 510600

 Please follow our facebook for more info: **NITECORE Flashlights**



Thanks for purchasing NITECORE!