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Nitecore TM39 Lite

Nitecore TM39 Lite Flashlight User Manual

5200 Lumen Rechargeable LED Searchlight with OLED Digital Display

1. Introduction

Thank you for choosing the Nitecore TM39 Lite Flashlight. This manual provides detailed instructions for the safe and effective operation, maintenance, and care of your device. Please read this manual thoroughly before use and retain it for future reference.

Image 1: The Nitecore TM39 Lite Flashlight, a powerful LED searchlight, shown with an accompanying Nitecore branded keychain.

2. Product Features

- Utilizes a LUMINUS SBT90 GEN2 LED with a maximum 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, etc.
- 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).

3. Package Contents

- Nitecore TM39 Lite Flashlight
- Quality Sling
- Lanyard
- AC Adapter (3.5mm)
- Spare Charging Port Cover
- Spare O-ring
- Batteries (pre-installed or included separately)

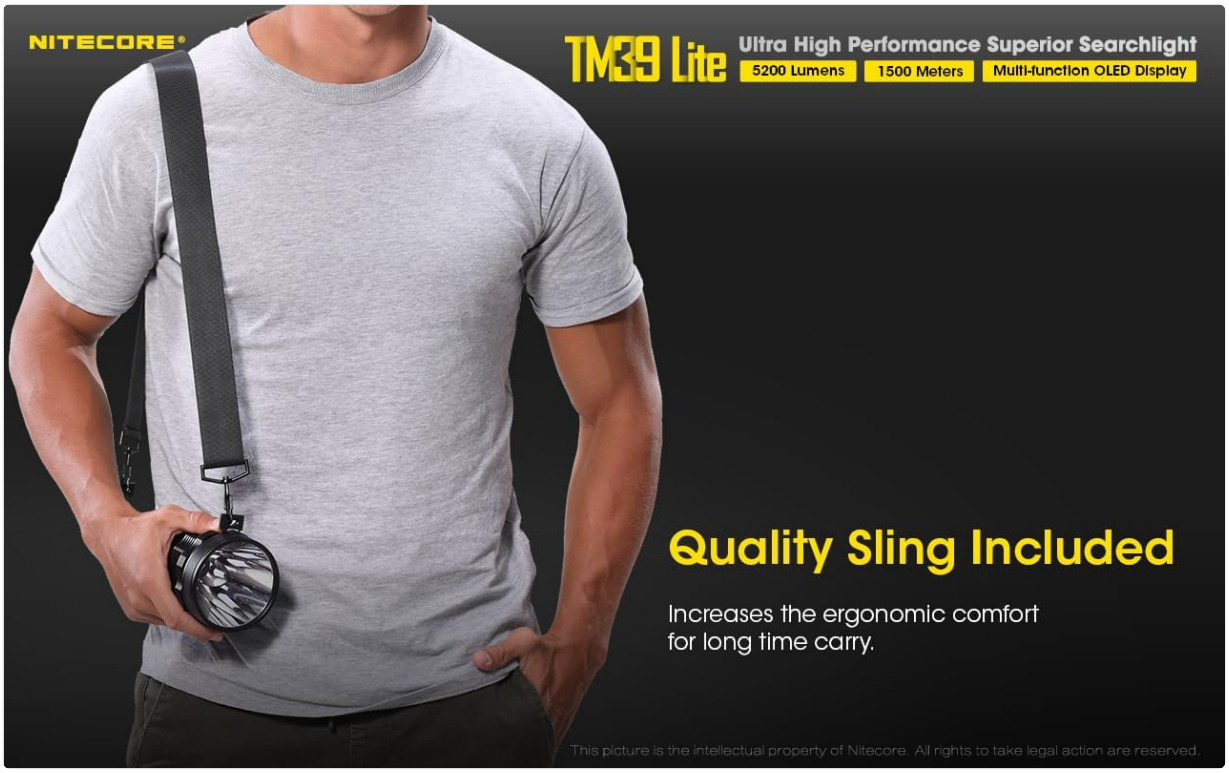

Image 2: A person demonstrating the ergonomic comfort of carrying the Nitecore TM39 Lite Flashlight using the included quality sling.

4. Setup

4.1 Battery Installation

Ensure the flashlight is off before installing or replacing batteries. Unscrew the tail cap and insert the recommended 4x NL1835HP Lithium-Ion batteries according to the polarity indicators. Securely re-screw the tail cap.

4.2 Initial Charging

Before first use, fully charge the flashlight. Connect the included AC adapter to the charging port located on the flashlight body. The OLED display will show charging status. A full charge ensures optimal performance and runtime.

Image 3: Detailed view of the Nitecore TM39 Lite's charging port, highlighting the protective rubber cover and the charging cable connection.

The intelligent charging circuit monitors the battery status and temperature, automatically selecting the appropriate charging mode for safety and efficiency. The OLED display will show the battery voltage and charging progress.

5. Operating Instructions

5.1 Power On/Off

The Nitecore TM39 Lite features a user-friendly dual-button interface.

- **Power Button:** Press to turn the flashlight ON/OFF. A single press from OFF will activate the flashlight in LOW mode.
- **Mode Button:** Used for mode switching and TURBO activation.

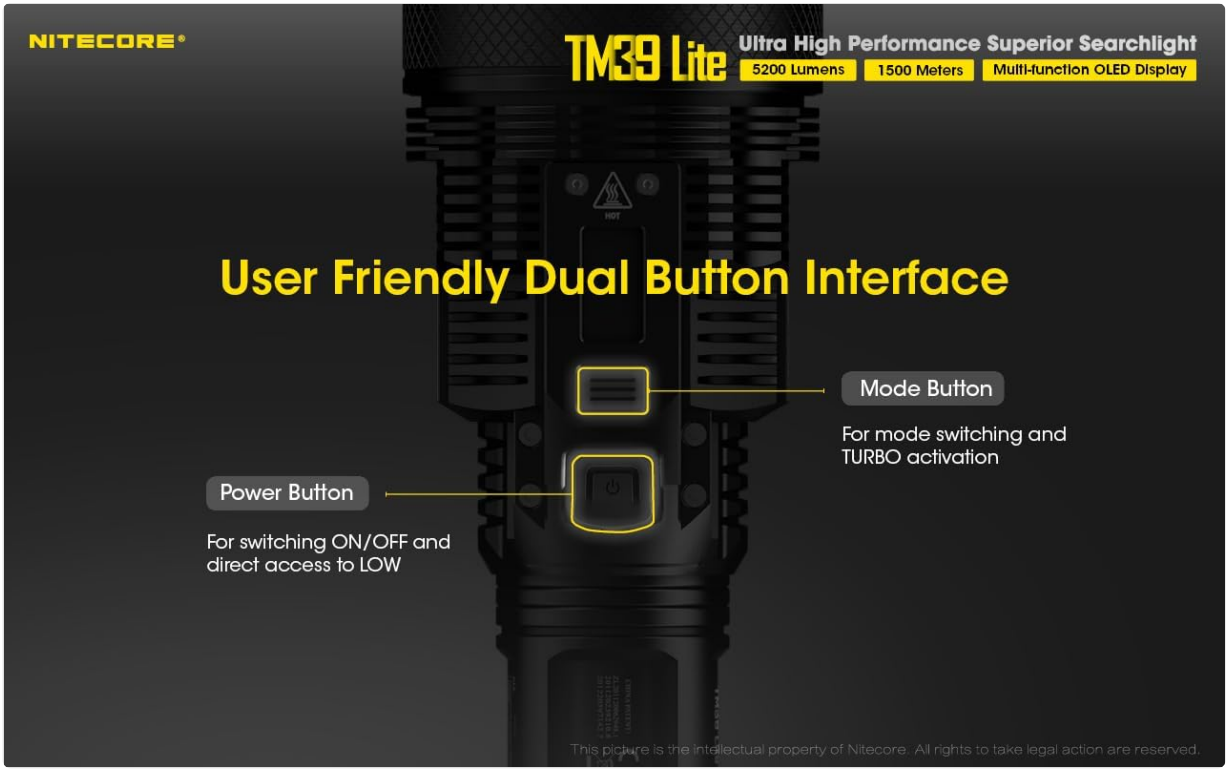

Image 4: A close-up view of the Nitecore TM39 Lite's control panel, clearly indicating the Power Button for on/off and direct access to LOW mode, and the Mode Button for switching modes and activating TURBO.

5.2 Brightness Levels

With the flashlight ON, press the Mode Button to cycle through the 4 brightness levels: LOW, MID, HIGH, TURBO.

- **LOW:** 200 lumens
- **MID:** 800 lumens
- **HIGH:** 2000 lumens
- **TURBO:** 5200 lumens

5.3 Special Modes

From any state (ON or OFF), press and hold the Mode Button to activate special modes. Cycle through STROBE, SOS, and BEACON by repeatedly pressing the Mode Button. Release the Mode Button to exit special modes.

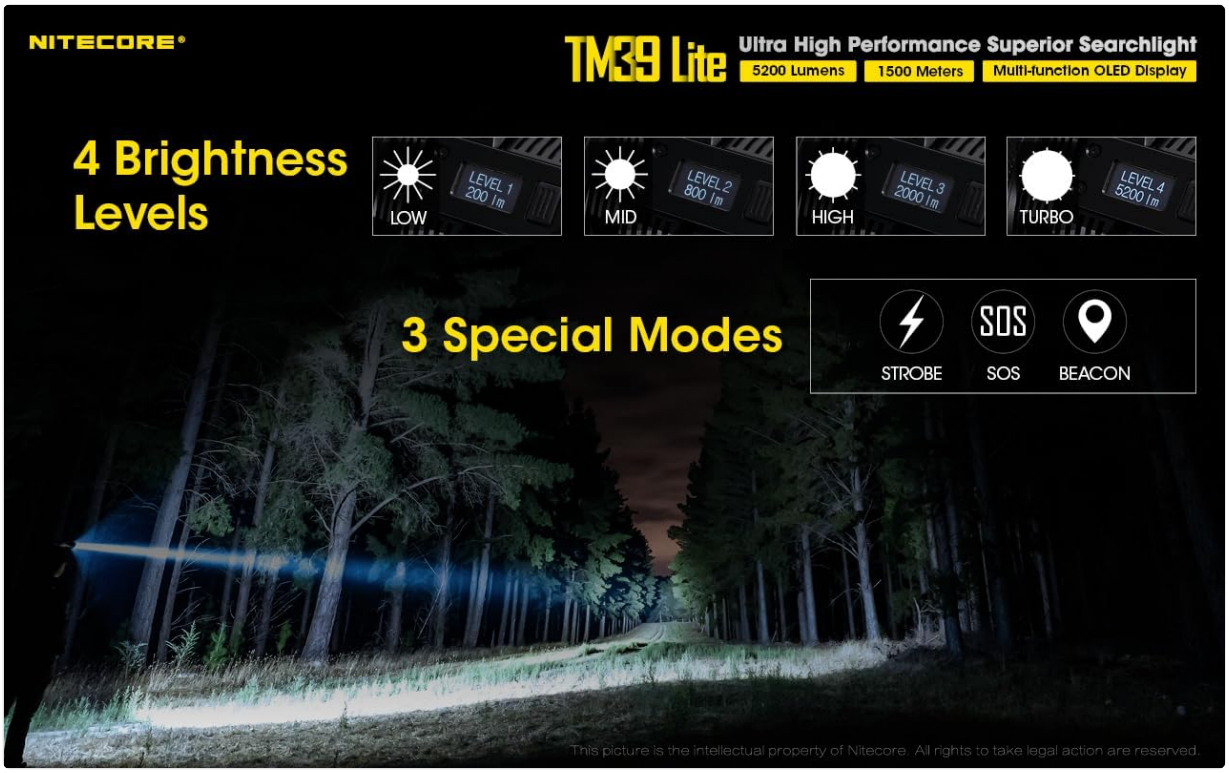

Image 5: The Nitecore TM39 Lite in action, illustrating the distinct illumination provided by its four brightness levels (Low, Mid, High, Turbo) and the three special modes (Strobe, SOS, Beacon).

5.4 OLED Digital Display

The integrated OLED display provides real-time information about the flashlight's status, including:

- Luminous output (lumens)
- Battery voltage
- Estimated runtime remaining
- Operating temperature

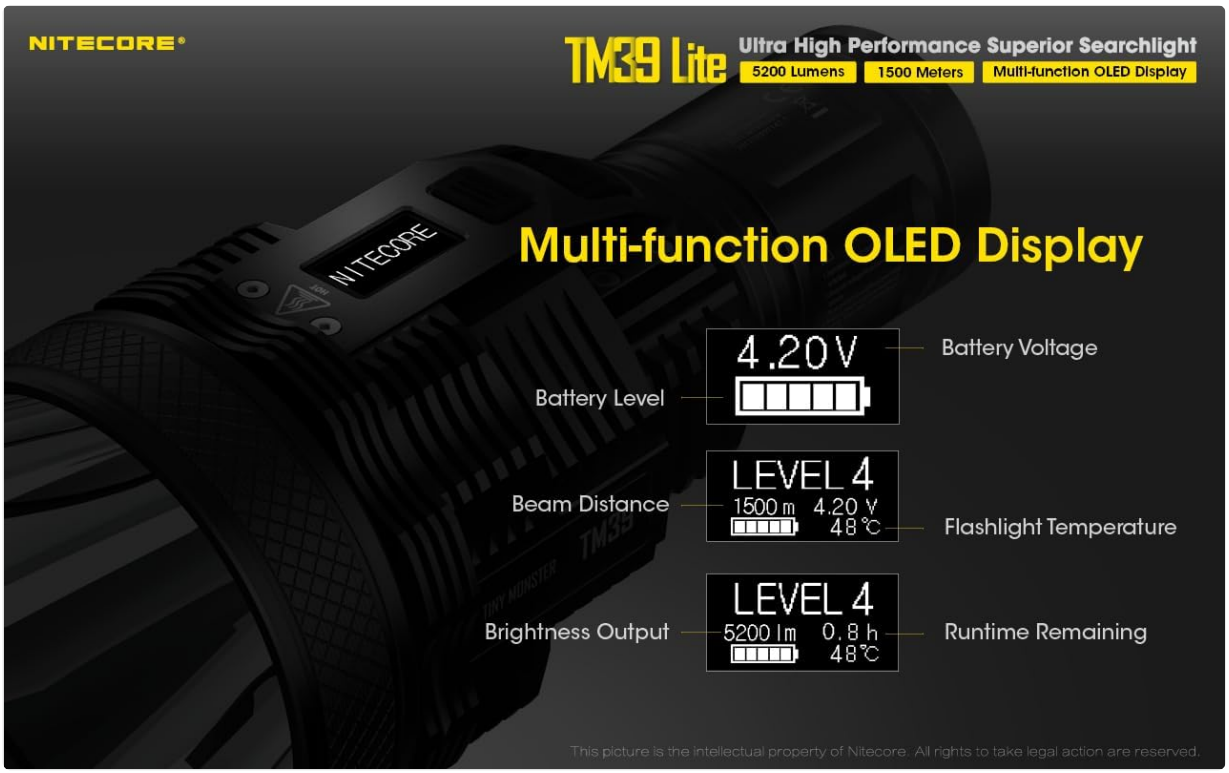

Image 6: A detailed view of the Nitecore TM39 Lite's multi-function OLED display, showing real-time data such as battery level, voltage, flashlight temperature, and remaining runtime.

5.5 Lockout Mode

To prevent accidental activation, the TM39 Lite features a lockout mode. When in Lockout Mode, both buttons are disabled. To activate lockout mode, with the flashlight ON, press and hold both the Power Button and Mode Button simultaneously until 'LOCK' appears on the OLED display. To unlock, repeat the process until the display shows the current brightness level.

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Video 1: A demonstration of the Nitecore TM39 Lite's features, including its powerful beam, user interface, brightness levels, special modes, and the lockout function. This video also shows the charging process and included accessories.

6. Maintenance

6.1 Cleaning

Regularly clean the flashlight's body with a soft, damp cloth. For the lens, use a lens cleaning cloth and solution to avoid scratches. Keep the threads and O-rings clean and lubricated with silicone grease to maintain water resistance.

6.2 Charging Port Cover

Always ensure the protective rubber cover for the charging port is securely closed when not charging to prevent dust and water ingress. A spare charging port cover is included in the package.

6.3 O-Rings

Inspect the O-rings periodically for wear and tear. Replace them if damaged to maintain the IP68 waterproof rating. A spare O-ring is included in the package.

6.4 Thermal Regulation

The TM39 Lite incorporates an advanced thermal regulation module. When the flashlight operates at high output levels, it may generate significant heat. The thermal regulation system automatically adjusts the output to prevent overheating and prolong the lifespan of the LED and internal components. This is normal operation and not a malfunction.

7. Troubleshooting

If you encounter issues with your Nitecore TM39 Lite, please refer to the following common solutions:

- **Flashlight not turning on:** Ensure batteries are correctly installed with proper polarity and are fully charged. Check for loose connections.
- **Dim or flickering light:** Recharge batteries. Clean battery contacts and threads.
- **Inability to change modes:** Check if the flashlight is in Lockout Mode. Refer to section 5.5 to unlock.
- **Water ingress:** Immediately turn off the flashlight, remove batteries, and allow it to dry completely. Inspect O-rings for damage and replace if necessary.

If the problem persists, please contact Nitecore customer support or your local distributor.

8. Specifications

Feature	Detail
LED Type	LUMINUS SBT90 GEN2 LED
Max Output	5200 Lumens
Max Beam Intensity	562,500 cd
Max Throw Distance	1500 meters (1640 yards)
Brightness Levels	Low (200lm), Mid (800lm), High (2000lm), Turbo (5200lm)
Special Modes	Strobe, SOS, Beacon
Display	Multifunctional OLED Real-time Display
Power Source	Battery Powered (4x NL1835HP Lithium Ion recommended)
Material	Aero-grade Aluminum Alloy with HA III Hard-Anodized Finish
Water Resistance	IP68 (2 meters submersible)
Impact Resistance	1 meter
Dimensions	5.73" (Length) x 1.97" (Head Diameter) x 1.97" (Tail Diameter)
Weight	14.9 ounces (without batteries)
Included Components	Batteries, Flashlight, Sling, Lanyard, AC Adapter, Spare Charging Port Cover, Spare O-ring

8.1 Runtime Chart

Mode	Output	Runtime	Throw	Intensity
Turbo	5,200 lumens	1 h 30 min*	1,500 m	562,500 cd
High	2,000 lumens	4 h*	950 m	225,600 cd
Mid	800 lumens	10 h	600 m	90,000 cd
Low	200 lumens	36 h	300 m	22,500 cd
Strobe	5,200 lumens	-	-	-
SOS	5,200 lumens	-	-	-
Beacon	5,200 lumens	-	-	-

Note: Stated data is measured in accordance with international flashlight testing standards ANSI/PLATO FL 1-2019, using 4 x 18650 Li-ion batteries (3,500mAh) under laboratory conditions. Data may vary in real-world use due to different battery usage or environmental conditions. The runtime for TURBO/HIGH levels is tested without the thermal regulation.

9. Warranty and Support

9.1 Warranty Information

Nitecore products are covered by a warranty against manufacturing defects. Please refer to the official Nitecore website or your purchase documentation for specific warranty terms and conditions, which typically include a period for free repair or replacement.

9.2 Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact your authorized Nitecore dealer or visit the official Nitecore website for customer service contact information.

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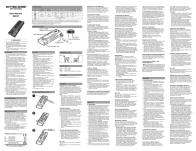
Related Documents - TM39 Lite

	NITECORE TM39 / TM39 Lite User Manual - High-Performance LED Flashlight Comprehensive user manual for the NITECORE TM39 and TM39 Lite LED flashlights, detailing features, specifications, operating instructions, charging, and maintenance for these powerful, multi-functional lighting tools.
	Nitecore TM20K Tactical Searchlight User Manual Comprehensive user manual for the Nitecore TM20K tactical searchlight, detailing its features, specifications, operation modes, charging, and safety precautions. Includes information on 20,000 lumens output, USB-C charging, and advanced temperature regulation.

	NITECORE TINI3 LED Flashlight User Manual User manual for the NITECORE TINI3 compact LED flashlight, detailing its features, specifications, operation modes (including brightness levels, color temperatures, and lockout functions), charging instructions, advanced temperature regulation, power indication, and warranty service. Includes safety warnings and disposal information.
	NITECORE EDC37 User Manual: Features, Specifications, and Operation Guide Comprehensive user manual for the NITECORE EDC37 flashlight, detailing its advanced features, technical specifications, operational instructions, safety guidelines, and warranty information.
	NITECORE EDC27 UHi User Manual A comprehensive user manual for the NITECORE EDC27 UHi flashlight, detailing its features, specifications, operation modes, safety precautions, charging instructions, and warranty information.
	Nitecore NU25 / NU25 UL Dual Beam USB-C Rechargeable Headlamp User Manual User manual for the Nitecore NU25 and NU25 UL dual beam USB-C rechargeable headlamps. Details features, specifications, charging, operation modes (spotlight, floodlight, red light, SOS, beacon), power indication, warnings, and warranty.

Documents - Nitecore – TM39 Lite

NITECORE TM39 / TM39 Lite User Manual - High-Performance LED Flashlight
Comprehensive user manual for the NITECORE TM39 and TM39 Lite LED flashlights, detailing features, specifications, operating instructions, charging, and maintenance for these powerful, multi-functional lighting tools.
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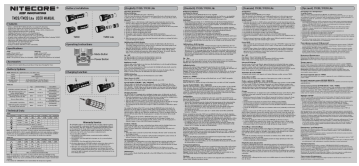

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РУКОВОДСТВО ПОЛЬЗОВАТЕЛЯ для TM39/TM39 Lite

Характеристики

- Светодиодная клавиша LUMINUS SBT-90 GEN2 LED с максимальной мощностью 5 200 люмен
- Максимальная интенсивность составляет до 562 500 кандел, а дальность луча - до 1 500 метров
- Многофункциональный OCD-дисплей, работающий в режиме реального времени, для проверки значений люмен, напряжения, времени работы, температуры и т.д.
- Функция переорганизации предотвращает возможность перегрева
- Интеллектуальная схема зарядки обеспечивает безопасный процесс зарядки
- Высокопроизводительная цепь постоянного тока обеспечивает устойчивость работы
- Двойные боковые переключатели для управления 4 уровнями яркости и 3 специальными режимами
- Оптическая система в сочетании с кристаллическим покрытием и технологией высокоточной цифровой оптики (PDOT)
- Оптимальное рассеивание тепла для повышения общей производительности
- Оптические линзы с двухсторонним покрытием, устойчивым к механическим контактным повреждениям
- Изготовлен из алюминиевого сплава авиационного класса
- Твердое анодированное покрытие качества, отвечающего требованиям оборонной промышленности, HA III
- Степень защиты оболочки корпуса соответствует стандарту IP68 (с возможностью погружения на глубину до 2 метров)

Технические характеристики

TM39:
Длина: 276 мм (10,87")
Диаметр головной части: 90 мм (3,54")
Диаметр рукоятки: 50 мм (1,97")
Вес: 1361г (48 унций) (включая аккумуляторный блок)

TM39 Lite:
Длина: 195 мм (7,68")
Диаметр головной части: 90 мм (3,54")
Диаметр рукоятки: 50 мм (1,97")
Вес: 876 г (30,9 унций) (без батарей)

Комплектующие

Адаптер переменного тока (3,5 мм), ремень, шнур, запасное уплотнительное кольцо, запасная крышка зарядного порта

Варианты аккумуляторных батарей

TM39: Литий-ионный аккумуляторный блок сверхвысокой эффективности NBP68HD

Модель	NBP68HD
Производительность	98 Вт/ч (3400 мА/ч × 8)
Напряжение	3,7 В
Зарядный ток	2А (стандартная зарядка) / 4А (быстрая зарядка)
Порт для зарядки	Порт 3,5 мм 12 В постоянного тока / 4,00 мм 12 В постоянного тока

TM39 Lite:

	Тип	Номинальное напряжение	Совместимость
NITECORE NL1835HP (3 500 мАч)	18650	3,6 В	Да (Рекомендуемый и перезаряжаемый)
Литий-ионный аккумулятор IMR	IMR	3,6 В/3,7 В	Да (Рекомендуемый и пере-

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Ben Guan Инструкция пользователя Мощный дальнобойный фонарь NiteCore TM39 tm39 um en ru fonariki files instrykciyi nitecore |||

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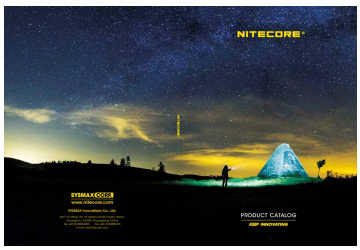

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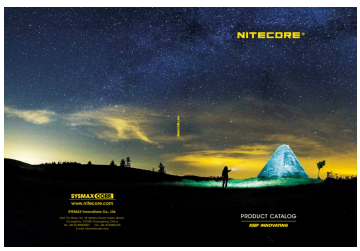

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SYSMAX Innovations Co., Ltd. Rm 2601-06, Central Tower, No.5 Xiancun Road, Tianhe District, Guangzho ... Qualities like portability, ruggedness and light weight are also a plus. Recommended models : TM39/TM39 Lite, TM28, P30i, R40 V2, HC33 Tactical As a simple and intuitive UI is most important in tact...

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NITECORE Tactical Product Catalogue 2023 - Portable Lighting and Power Solutions

Explore the NITECORE 2023 Tactical Product Catalogue, featuring award-winning portable lighting solutions, high-performance tactical flashlights, headlamps, power stations, chargers, and tactical gear. Discover innovative technologies and durable products designed for law enforcement, military, outdoor enthusiasts, and industrial professionals.

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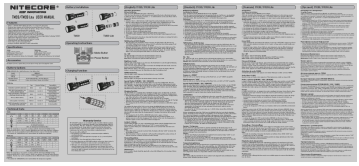

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