

HC33 User Manual



• English
• Español
• Deutsch
• Français
• Русский
• 日本語
• 한국어
• Română
• 简体中文

Technical parameters

FL1 STANDARD	Turbo	High	Mid	Low	Ultralow	Strobe	SOS	Beacon
1800 lumens	780 lumens	240 lumens	70 lumens	1 lumen	1800 lumens	1800 lumens	1800 lumens	1800 lumens
*30min *1h30min	5h15min	15h	300h	—	—	—	—	—
187m	117m	63m	35m	4m	—	—	—	—
8750cd	3400cd	1000cd	300cd	4.5cd	—	—	—	—
1m (Impact Resistant)								
IP68, 2m (waterproof AND submersible)								

NOTE: The above data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1, using 1xIMR 18650 battery (3100mAh) under laboratory conditions. The data may vary in real-world use due to different battery use or environmental conditions.

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

*The Turbo 1800 lumens requires the use of rechargeable IMR18650 or 18650 Li-ion batteries with output current higher than 8A. The Turbo is not accessible with CR123A or RCR123A batteries.

FL1 STANDARD	Turbo	High	Mid	Low	Ultralow	Strobe	SOS	Beacon
1800 lumens	780 lumens	240 lumens	70 lumens	1 lumen	1800 lumens	1800 lumens	1800 lumens	1800 lumens
*30min *1h45min	5h45min	16h30min	330h	—	—	—	—	—
187m	117m	63m	35m	4m	—	—	—	—
8750cd	3400cd	1000cd	300cd	4.5cd	—	—	—	—
1m (Impact Resistant)								
IP68, 2m (waterproof AND submersible)								

NOTE: The above data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1, using 1x18650 battery (3500mAh) under laboratory conditions. The data may vary in real-world use due to different battery use or environmental conditions.

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

*The Turbo 1800 lumens requires the use of rechargeable IMR18650 or 18650 Li-ion batteries with output current higher than 8A. The Turbo is not accessible with CR123A or RCR123A batteries.

(English) HC33 User Manual

FEATURES

- A versatile high performance L-shaped headlamp
- Utilizes a CREE XHP35 HD LED to emit maximum output of 1800 lumens
- Integrated "Precision Digital Optics Technology" provides extreme reflector performance
- Boasts a peak beam intensity of 8,750cd and a throw distance of up to 187 meters
- A single button offers access to 5 brightness levels and 3 special modes
- High efficiency constant current circuit board provides maximum runtime of 330 hours
- The light indicates remaining battery power by flashing (to the nearest ±0.1V)
- Flood lighting system produces a wide 100° beam angle
- Advanced temperature regulation (ATR) technology
- Confortable headband of padded, comfortable elastic nylon
- Reverse polarity protection prevents damage from incorrectly inserted batteries
- Toughened ultra-clear mineral glass with anti-reflective coating
- Constructed from extra grade aluminum alloy with HAIII military grade hard-anodized finish
- IP68 waterproof (two meters submersible)
- Impact resistant to 1 meter
- Magnetic base and tall stand capability

Dimensions

Length: 4.15" (105.3mm)
Head diameter: 1"×0.95" (25.5mm×24.2mm)
Tail diameter: 0.94" (23.8mm)
Weight: 1.81oz (51.2g) (battery excluded)

Accessories

Spore O ring, button cover, clip, headband, holder, diffuser

Battery options

	Type	Nominal voltage	Compatible
NITECORE NL1835HP (3500mAh)	18650	3.6V	S (Recommended)
Rechargeable IMR18650 Li-ion Battery	IMR18650	3.6V/3.7V	Y (Recommended)
18650 Li-ion Battery (output ≥ 8A)	18650	3.6V/3.7V	Y
Primary Lithium battery	CR123	3V	Y
Rechargeable Li-ion battery	RCR123	3.6V/3.7V	Y
18650 Li-ion Battery (output < 8A)	18650	3.6V/3.7V	N

Operating Instructions

Battery Installation

As illustrated, insert batteries with the positive (+) end facing towards the head.

Warning

- Ensure batteries are inserted with the positive (+) end pointing to the head. The HC33 will not operate with incorrectly inserted batteries.
- Avoid direct eye exposure.
- When the power level of IMR18650 Li-ion battery is low, please stop using and recharge the battery.
- When the HC33 is kept in a backpack, please loosen the talca to prevent accidental activation of the flashlight; When the HC33 is left unused for extended periods of time, please remove all batteries to prevent battery leakage.
- Do not submerge the product in water or any liquid when it has generated sufficient heat, doing so will cause pressure inequality and significantly increase risk of water damages.
- The product contains strong magnetic components. DO NOT close to objects that tend to suffer from magnetic interference (e.g. bank cards, watches and medical equipment).

ON/OFF

Turn on: When the light is off, press the switch for 0.6 seconds to turn on the light.

Turn off: When the light is on, press the switch for 0.6 seconds to turn off the light.

Instant Ultralow: With the HC33 is switched off, tap the switch to enter ultralow mode.

Instant Turbo: With the HC33 is switched off, press the switch for about 1.5 seconds to enter turbo mode.

Adjusting Brightness Levels

With the HC33 is switched on, press the switch repeatedly to cycle through brightness levels of Ultralow-Middle-High-Turbo. (Brightness levels can be memorized)

Special modes (Strobe/SOS/Beacon)

When the light is off, quickly tap the headlamp switch twice to enter Strobe. After Strobe is turned on, tap the switch repeatedly to cycle through SOS-Beacon-Strobe. Turn off the light to exit. (Special modes can not be memorized)

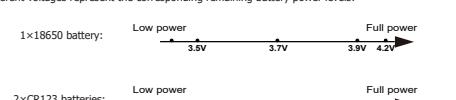
ATR (Advanced Temperature Regulation)

With Advanced Temperature Regulation module, the HC33 regulates its output and adapts to the ambient environment, maintaining optimal performance.

Power Tips

When power is off, every time the battery is installed, tighten the head and tail cap, the light will report battery voltage (to the nearest ±0.1V). For example, when the battery voltage is at a maximum charge of 4.2V, the power indicator will blink 4 times, followed by 1.5 seconds pause and 2 more blinks before entering the standby status.

Different voltages represent the corresponding remaining battery power levels:



Note:

1. When using two CR123/RCR123 in series, the flashlight only reports the average voltage of the two batteries.
2. If it cannot report the voltage normally, please loosen the tail cap first, then press the switch for 1 second to ensure the HC33 is power off thoroughly and then tighten the tail cap.

Changing Batteries

Recharge the batteries when the output appears to be dim or the brightness levels can not be selected normally.

Maintenance

Every 6 months, wipe the threads of the battery case with a clean cloth followed by applying a thin coating of silicon-based lubricant.

Warranty Service

All NITECORE® products are warrantied for quality. DOA/defective products can be exchanged for replacement through a local distributor/dealer within the 15 days of purchase. After 15 days, all defective / malfunctioning NITECORE® products will be repaired free of charge for a period of 60 months from the date of purchase. After 60 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 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 (i.e. reverse polarity installation).
3. The product(s) is/are damaged by leakage of batteries.

For the latest information on NITECORE® products and services, please contact your national NITECORE® distributor or send an email to service@nitecore.com. The Nitecore official website shall prevail in case of any product data changes.

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HC13063319

(Español) HC33 Manual de usuario

CARACTERÍSTICAS

- Versatil linterna frontal de alto rendimiento en forma de L
- Utiliza un LED CREE XHP35 HD que emite una salida máxima de 1800 lúmenes
- "Tecnología Óptica de Precisión Digital" integrada, provee un rendimiento extremo del reflector
- Intensidad pico del haz de 8,750cd y distancia de hasta 187 metros
- Botón único que ofrece acceso a 5 niveles de intensidad y 3 modos especiales
- Círculo de corriente constante de alta eficiencia, provee una duración máxima de 330 horas
- La linterna indica la potencia restante de la batería mediante parpadeos (cerca de ±0.1V)
- Amplio haz de luz con un ángulo de iluminación de 100°
- Regulación avanzada de temperatura (ATR) tecnología
- Confortable banda de nailon, con banda elástica
- Protección contra la polaridad incorrecta de las baterías
- Resistencia a los golpes
- Toughened ultra-claro mineral glass con recubrimiento anti-reflejante
- Construido con aleación de aluminio grado aeronáutico con anodizado de grado militar HAIII
- IP68 resistente (two meters submersible)
- Impacto resistente a 1 metro
- Bases magnéticas con capacidad para sostenerse sobre el extremo trasero

Dimensiones

Largo: 4.15" (105.3mm)
Diámetro de la cabeza: 1"×0.95" (25.5mm×24.2mm)
Diámetro trasero: 0.94" (23.8mm)
Peso: 1.81oz (51.2g) (sin batería)

Opciones de batería

	Tipo	Voltaje nominal	Compatible
NITECORE NL1835HP (3500mAh)	18650	3.6V	S(Recomendado)
Batería Li-Ion IMR18650 recargable	IMR18650	3.6V/3.7V	S(Recomendado)
Batería Li-Ion 18650 (salida ≥ 8A)	18650	3.6V/3.7V	S
Batería primaria de litio	CR123	3V	S
Batería Li-Ion recargable	RCR123	3.6V/3.7V	S
Batería Li-Ion 18650 (salida < 8A)	18650	3.6V/3.7V	N

Instrucciones de operación

Instalación de baterías

Como se muestra, inserte la(s) batería(s) con el polo positivo (+) apuntando hacia la cabeza de la linterna.

Advertencia

1. Asegúrese de que las baterías están insertadas con el polo positivo (+) apuntando hacia la cabeza de la linterna. La HC33 no operará con las baterías insertadas incorrectamente.
2. Evite la exposición directa a los ojos.
3. Cuando el nivel de carga de IMR18650 Li-ion battery es bajo, por favor use y recargue la bater

