FENIX — LIGHTING FOR EXTREMES

HM50R V2.0
HIGH-PERFORMANCE DUAL-PURPOSE HEADLAMP

- 700 LUMENS MAXIMUM OUTPUT
- 42 HOURS RUNTIME

① Switch — Press and hold the switch for 0.5 seconds to enter light mode. / single click the switch to cycle through Low →Med→High→ Turbo.

Double click the switch to enter red light mode / single click the switch to cycle through Red light → Red flash

Headband Assembly

Charging

Battery Replacement

Holder Assembly — Assembly: Push in / Disassembly: Pull out

Output / Runtime: Hours — Turbo, High, Med, Low, Red
1000LM, 500LM, 100LM, 50LM, 10LM — 0, 1h, 5h, 10h, 50h, 100h

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LIGHTING FOR EXTREMES

FC CE

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(ENGLISH)FENIX HM50R V2.0 HEADLAMP

- 700 lumens maximum output, 115 meters maximum beam distance.
- Cree XP-G3 S4 white light LED with a lifespan of 50,000 hours.
- Included a 16340 rechargeable Li-ion battery.
- Detachable structure - can be used as a flashlight.
- White and red lights.
- USB Type-C charging port for easy and fast charging.
- Lockout function avoids accidental activation.
- Premium type HAIII hard-anodized anti-abrasive finish.
- Size: 2.52" x 1.42" x 1.26" / 64 x 36 x 32 mm.
- Weight: 2.75 oz / 78 g (including battery and headband)

OPERATING INSTRUCTION

On/off
With the lamp switched off, press and hold the switch for 0.5 seconds to enter white light mode.
With the lamp switched off, double click the switch to enter red light mode.
With the lamp switched on, press and hold the switch for 0.5 seconds to turn off the lamp.

Output Selection
White light mode: single click the switch to cycle through Low → Med → High → Turbo (with intelligent memory circuit).
Red light mode: single click the switch to cycle through Red Light → Red flash. (without intelligent memory circuit)

Lockout Function
Lock: when the lamp is switched off, press and hold the switch for 3 seconds, the lamp will be switched on white light and then blink red four times to indicate locked status.
Unlock: when the lamp is locked, press the switch for 3 seconds, the lamp will be activated with 4 one-second red blinks and activated on Red Light in locked status, clicking or pressing the switch will activate 4 one-second red blinks to indicate locked status.

BATTERY SPECIFICATIONS

Type	Dimensions	Nominal Voltage	Usability
Fenix ARB-L16 Series	16340	3.6/3.7V	Recommended √√
Rechargeable Battery (Li-ion)	16340	3.7V	Usable √
Non-rechargeable Battery (LiFePO4)	16340	3.2V	Caution √
	CR123A	3V	Caution √

△ 16340 Li-ion batteries are powerful cells designed for commercial applications and must be treated with caution and handled with care. Only use quality batteries when circuit occurring under the potential for combustion or explosion; but cell damage or short circuiting are potential risks the user assumes.

☆ "High mode can't be entered when using the CR123A battery.

OPERATING INSTRUCTION (notes)

Note: According to the ANSI/PLATO FL1 standard, the above specifications are from the results produced by Fenix through its laboratory testing using one Fenix ARB-L16-700P Li-ion battery under the temperature of 21±3°C and humidity of 50% ~ 80%. The true performance of this product may vary according to different working environments and the actual battery used. "The Turbo output is measured in a total of runtime including output at reduced levels due to temperature or protection mechanism in the design.

TECHNICAL PARAMETERS

ANSI/PLATO FL1	WHITE LIGHT				RED LIGHT	
	TURBO	HIGH	MED	LOW	RED	RED FLASH
OUTPUT	700 lumens	400 lumens	130 lumens	30 lumens	5 lumens	5 lumens
RUNTIME	1 hour*	3 hours	8 hours	42 hours	60 hours	120 hours
DISTANCE	115 meters	86 meters	49 meters	23 meters	6 meters	6 meters
INTENSITY	3350 candela	1849 candela	596 candela	128 candela	9 candela	9 candela
IMPACT RESISTANCE	2 meters					
SUBMERSIBLE	IP68					

BATTERY REPLACEMENT
Unscrew the cap to insert the battery in accordance with the polarity marks, then screw the cap back on.

CHARGING
☆ Uncover the cap and plug the USB Type-C side of the charging cable into the charging port of the lamp.
☆ The indicator will display red while charging and will turn green when fully charged.
☆ The normal charging time of the included lamp with ARB-L16-700P 16340 rechargeable Li-ion battery is about 1.5 hours.
☆ When charging, the headlamp can be normally used on Low, Med, Red flash, but charging time will be prolonged.
☆ When charging is complete, replace the anti-dust cap to ensure waterproof and dustproof ability.
☆ Recharge a stored headlamp every four months to maintain optimal Li-ion battery performance.
☆ Charging protection: when charging, if the lamp reaches a temperature of 60°C or above, the lamp will automatically exit charging status and enter sleeping mode.

BATTERY LEVEL INDICATAION
With the lamp switched off, single clickthe switchto check the battery status, the indicator will last for 3 seconds.
Green light on: saturated 100% ~ 60%.
Green light flashes: sufficient 60% ~ 10%.
Red light on: insufficient 10% ~ 0%.
Red light flashes: critical 20% ~ 0%.
Note: This only works with Fenix ARB-L16-700P battery.

INTELLIGENT OVERHEAT PROTECTION
The lamp will accumulate a lot of heat when used at Turbo mode for extended periods. When the lamp reaches a temperature of 60°C or above, the lamp will automatically step down a few lumens to reduce the temperature. When the temperature drops below 60°C, it will then allow the user for the reselection of Turbo mode.

LOW-VOLTAGE WARNING
When the voltage level drops below the preset level, the headlamp is programmed to downshift to a lower brightness level until Low mode is reached. When this happens in Low mode, the battery level indicator blinks to remind you to timely recharge or replace the battery.
Note: This only works with Fenix ARB-L16-700P battery.

HEADBAND ASSEMBLY
The headband is factory assembled by default.
The headband frame is made of reinforced silicone material, which has

good tear resistance and mechanical strength; it is resistant to lowhigh temperature, ultraviolet rays, acid and alkali corrosion; it is comfortable to the touch and will not cause corrosion allergy.
Note: The headband is stained with sweat and mud, it can be cleaned with water directly.

OTHER PURPOSE
Detach the headlamp from the holder it can be used as a work flashlight.

USAGE AND MAINTENANCE
☆ Disassembling the sealed head can cause damage to the lamp and will void the warranty.
☆ Fenix recommends using an excellent quality Fenix battery.
☆ If the lamp will not be used for an extended period, remove the battery, or the lamp could be damaged by electrolyte leakage.
☆ Lock the lamp or take out the battery to prevent accidental activation during storage or transportation.
☆ Long-term use can result in O-ring wear. To maintain a proper water seal, replace the ring with an approved spare.
☆ Periodic cleaning of the battery contacts improves the lamp's performance as dirty contacts may cause the lamp to flicker, shine intermittently or even fail to illuminate for the following reasons:
A. The battery needs replacing.
B. The battery electrode or contact surface is dirty.
Solution: Replace the battery. Ensure the batteryis inserted according to the manufacturer's specifications.
B. The contact point or contact of the battery or headlamp is dirty.
Solution: Clean the contact points with a cotton swab soaked in rubbing alcohol. If the above methods don't work, please contact the distributor.

INCLUDED
Fenix HM50R V2.0 headlamp, ARB-L16-700P Li-ion battery, USB Type-C charging cable, Spare O-ring, User manual, Warranty card.

WARNING
☆ The headlamp is a highly intensity lighting device capable of causing eye damage to the user or others. Avoid shining the lamp directly into anyone's eyes.
☆ This headlamp will accumulate a lot of heat when used for extended periods, resulting in a high temperature of the headlamp shell. Pay attention to safe use to avoid scalding.
☆ Do not shine an object at close range, avoid burning the object or causing danger due to high temperatures.
☆ The LED of this headlamp is not replaceable; so the entire lamp should be replacedwhen the LED reaches the end of its life.
☆ If any of the information provided in this manual is changed, the new version of the manual shall prevail; if your included user manual is an old one, it assumes that we won't send a new manual.

(中文)FENIX HM50R V2.0说明书

- 最高亮度700流明，最远射程115米
- 使用白光Cree XP-G3 S4 白光LED，寿命达50000小时
- 标配1枚16340可充电锂离子电池
- 可拆卸设计，头灯可单独作手电筒使用
- 白光＋红光设计
- USB Type-C充电口设计，充电方便快捷
- 一键锁定功能，防止意外开启
- 采用军规HAIII硬质阳极氧化抗磨损处理
- 尺寸：64（长）×36（宽）×32（高）mm
- 重量：78克（含电池和头带）

操作说明

开关灯
关灯状态下，长按开关0.5秒开启白光模式。
关灯状态下，双击开关开启红光模式。
开灯状态下，长按开关0.5秒关灯。

亮度选择
白光模式：单击开关实现低→中→高→爆闪切换循环（带记忆功能）
红光模式：单击开关实现红光→红光爆闪切换循环（不带记忆功能）

锁定功能
锁定：关灯状态下，长按开关3秒，头灯先亮白光随后红光闪烁4次指示进入锁定状态。
解锁：锁定状态下，长按开关3秒，头灯红光闪烁4次后开启红光状态解锁。锁定状态下，单击或长按开关时，头灯红光闪烁4次指示锁定状态。

电池选用

类型	尺寸规格	标称电压	是否可用
Fenix ARB-L16系列	16340	3.6/3.7V	推荐 √√
可充电锂离子电池	16340	3.7V	可用 √
不可充电电池 (磷酸铁锂)	16340	3.2V	慎用 √
一次性锂电池	CR123A	3V	慎用 √

△16340锂离子（Li-ion）电池属于工业电池，并非常规的锂离子电池，使用时请务必小心谨慎。只使用优质电池，当内部短路发生时有燃烧或爆炸的风险，电池损坏或短路的潜在风险由用户自行承担。

☆CR123A电池时，不能进入高亮模式。

技术参数

ANSI/PLATO FL1	白光模式				红光模式	
	极亮模式	高亮模式	中亮模式	低亮模式	红光	红光爆闪
亮度	700流明(7W)	400流明(4W)	130流明(1W)	30流明(0.3W)	5流明(0.1W)	5流明(0.1W)
续航时间	1小时*	3小时	8小时	42小时	60小时	120小时
射程	115米	86米	49米	23米	6米	6米
光强	3350坎德拉	1849坎德拉	596坎德拉	128坎德拉	9坎德拉	9坎德拉
抗摔性能	2米					
防水性能	IP68					

※注：上表参数依据ANSI/PLATO FL1标准，使用1节Fenix ARB-L16-700P可充电锂离子电池，在温度21±3℃和湿度50%~80%的测试环境下，Fenix实验室对新产品测试得出，实际性能会根据不同的工作环境和实际使用的电池而有所不同。
*极亮续航时间的测量包含因温度或设计保护机制导致在低亮度下运行的时间。

电池更换
按逆时针拧开头灯尾盖，注意根据电池的正负标示，正确放入电池，随后拧上尾盖。

充电说明
☆掀开头灯尾部防尘盖，将充电线Type-C端口插入头灯充电口。
☆充电时指示灯亮红灯，充满电指示灯转为绿灯。
☆充电完毕后请盖好防尘盖，以保证头灯的防水防尘性能。
☆头灯充电时，头灯可正常使用低亮、中亮、红光爆闪，但会延长充电时间。
☆长时间存放的头灯，请每四个月充电一次，以保持锂电池最佳性能。
☆充电保护：充电时，若头灯温度达到60℃或以上，头灯将自动退出充电状态进入休眠模式。

电量显示
关灯状态下，单击开关，电量指示灯亮起并显示3秒，关灯状态下。
绿灯常亮（代表电量充足）：电量100%~60%
绿灯慢闪（代表电量较多）：电量60%~10%
红灯常亮（代表电量不足）：电量10%~0%
红灯快闪（代表电量很少）：电量20%~0%

智能温控
头灯长时间使用爆闪模式时会产生大量热量，当头灯外壳温度达到60℃或以上时，头灯会自动降低若干流明以降低温度，待温度下降至60℃以下时，才允许用户重新选择爆闪模式。

低电量警示
当电量低于某预设值，头灯会自动降档至低亮度，当到达低亮度时，电量指示灯将会闪烁提醒用户及时充电或更换电池。

头灯带安装
头灯带出厂时，已安装完毕。

其他用途
将头灯从支架上取出作为手电筒使用。

包装清单
HM50R V2.0头灯、ARB-L16-700P锂离子电池、Type-C充电线、备用防水圈、说明书、保修卡。

(ITALIANO) LAMPADA FRONTALE FENIX HM50R V2.0

PARAMETRI TECNICI

ANSI/PLATO FL1	LUCE BIANCA				LUCE ROSSA	
	TURBO	ALTA	MEDIA	BASSA	ROSSA	FLASH ROSSO
LUCE	700 lumen	400 lumen	130 lumen	30 lumen	5 lumen	5 lumen
TEMPO	1 Ora*	3 Ore	8 Ore	42 Ore	60 Ore	120 Ore
DISTANZA	115 metri	86 metri	49 metri	23 metri	6 metri	6 metri
INTENSITÀ	3350 candela	1849 candela	596 candela	128 candela	9 candela	9 candela
IMPERMEABILITÀ	2 metri					
	IP68					

(JAPANESE)FENIX HM50R V2.0ヘッドライト

仕様

ANSI/PLATO FL1	White Lightモード				Red Lightモード	
	TURBO	HIGH	MED	LOW	RED	RED FLASH
出力	700 lm	400 lm	130 lm	30 lm	5 lm	5 lm
点灯時間	1時間*	3時間	8時間	42時間	60時間	120時間
最大光達	115 m	86 m	49 m	23 m	6 m	6 m
光度	3350 cd	1849 cd	596 cd	128 cd	9 cd	9 cd
耐衝撃性	2 m					
防水性能	IP68					

(FRENCH)LAMPE FRONTALE FENIX HM50R V2.0

PARAMÈTRES TECHNIQUES

ANSI/PLATO FL1	LUMIÈRE BLANCHE				LUMIÈRE ROUGE	
	TURBO	FORT	MOYEN	FAIBLE	ROUGE	FLASH ROUGE
PUISSANCE	700 lumens	400 lumens	130 lumens	30 lumens	5 lumens	5 lumens
AUTONOMIE	1 heure*	3 heures	8 heures	42 heures	60 heures	120 heures
PORTÉE	115 mètres	86 mètres	49 mètres	23 mètres	6 mètres	6 mètres
INTENSITÉ	3350 candela	1849 candela	596 candela	128 candela	9 candela	9 candela
RÉSISTANCE AUX CHÛTES	2 metres					
IMMERSION	IP68					

(RUSSIAN)НАЛОБНЫЙ ФОНАРЬ FENIX HM50R V2.0

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

ANSI/PLATO FL1	БЕЛЫЙ СВЕТ				КРАСНЫЙ СВЕТ	
	ТУРБО	МАКС	СРЕДНИЙ	МИН	КРАСНЫЙ	КРАСНЫЕ ВСПЫШКИ
ЯРКОСТЬ	700 люмен	400 люмен	130 люмен	30 люмен	5 люмен	5 люмен
ВРЕМЯ РАБОТЫ	1 часа*	3 часа	8 часов	42 часов	60 часов	120 часа
ДАЛЬНОСТЬ	115 метров	86 метров	49 метров	23 метров	6 метров	6 метров
ИНТЕНСИВНОСТЬ СВЕТОВОГО ПОТОКА	3350 канделл	1849 канделл	596 канделл	128 канделл	9 канделл	9 канделл
УДАРОПРОЧНОСТЬ	2 метра					
ПЫЛЕВЛАГОЗАЩИТА	IP68					

(SPANISH)LINTERNA FRONTAL FENIX HM50R V2.0

PARÁMETROS TÉCNICOS

ANSI/PLATO FL1	LUZ BLANCA				LUZ ROJA	
	TURBO	ALTO	MEDIO	BAJO	ROJO	ROJO INTERMITENTE
POTENCIA	700 lúmenes	400 lúmenes	130 lúmenes	30 lúmenes	5 lúmenes	5 lúmenes
DISTANCIA	1 horas*	3 horas	8 horas	42 horas	60 horas	120 horas
DISTANCIA	115 metros	86 metros	49 metros	23 metros	6 metros	6 metros
INTENSIDAD	3350 candelas	1849 candelas	596 candelas	128 candelas	9 candelas	9 candelas
RESISTENCIA A IMPACTOS	2 metros					
SUMERGIBLE	IP68					

(GERMAN)FENIX HM50R V2.0 STIRNLAMPE

TECHNISCHE DATEN

ANSI/PLATO FL1	WEISSES LICHT				ROTES LICHT	
	TURBO	HELL	MITTEL	DUNKEL	ROT	ROT BLINKEND
HELLIGKEIT	700 Lumen	400 Lumen	130 Lumen	30 Lumen	5 Lumen	5 Lumen
BRENNDAUER	1 Stunde*	3 Stunde	8 Stunde	42 Stunde	60 Stunde	120 Stunde
REICHWEITE	115 Meter	86 Meter	49 Meter	23 Meter	6 Meter	6 Meter
STOSSFESTIGKEIT	3350 Candela	1849 Candela	596 Candela	128 Candela	9 Candela	9 Candela
WASSERDICHTIGKEIT	2 m					
	IP68					