

HS3R

Multifunctional Rechargeable Headlamp

User Manual

CYANSKY HS3R is a high brightness multi-light headlamp designed for outdoor sports, industrial work, repair, and camping. Lightweight metal shell, L-shaped design, IPX8 protection level headlamp, ultra-thin lens, with 1100 lumens high brightness. Multi-mode white, red lighting. Single electronic button to control different light sources, the circuit uses the structure of anti-reverse connection, TYPE-C charging, and wider headlamp strap to wear more stable. It can meet your lighting needs in different environments.

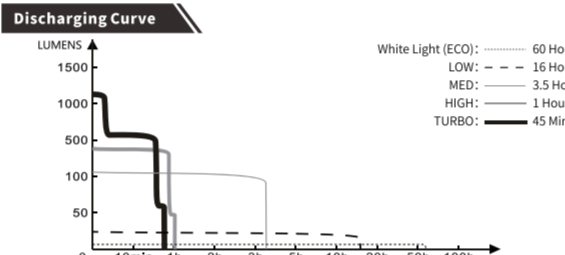
Specifications

FL1 STANDARD	Main Light				Secondary Lights		
	LOW	MED	HIGH	TURBO	Red	White(ECC)	Red/Blinking
OUTPUT(Lumens)	25	130	400	1100	15	5	15
RUNTIME(Hours)	16	3.5	1	45min	7	60	14
DISTANCE(Meters)	20	45	75	135	4	10	4
INTENSITY(Candelas)	100	506	1406	4556	4	25	4
IMPACT RESISTANCE	2M						
WATERPROOF	IPX-8(2 meter submersible)						
SIZE	69mm(L) * 33.3mm(H) * 43.4mm(W)						
WEIGHT	37g/55g/92g (headlamp) / Battery / Bracket & Strap						
WORKING TEMPERATURE	-30°C ~ 50°C / -22°F ~ 122°F						

Product Features

- 1 * OSRAM DURIS P9 cold white LED, 2 * EVERLIGHT 2835 red LEDs with 50,000 hours of lifespan.
- Powered by 1 * 16340 Li-ion battery (700mAh) and compatible with 1 * CR123A batteries.
- Red and white dual light source, ultra-thin lens, magnetic tail, and all-metal design to meet the needs of multi-scene lighting.
- Maximum brightness output 1100 lumens. Maximum beam distance 135 meters.
- TYPE-C high current charging, fully charged in 1.5 hours. Red, green indicator, 4 indication modes to show the current battery level and charging indication function.

Discharging Curve



Operating Instruction

Power On: Press and hold the switch for 0.5 seconds to turn on the power.

Power Off: Press and hold the switch for 0.5 seconds to turn off the power.

Mode Switching: Press the switch to change mode.

Main Light/Secondary Lights Switching: Press and hold the switch for 1.2 seconds to switch to another light in the mode saved before.

Memory Function: The headlamp has a memory function. When the headlamp is turned off, it will save the mode used before. No saving for the TURBO mode. If it is turned off in TURBO mode, it will save the HIGH mode.

Lock and Unlock: Shutdown non-locked state, the following ways to lock the headlamp: Double press the switch within 0.5 seconds, then the main light flashes twice in a low bright and goes out, representing the headlamp is the locked state.

Lock state, the following two ways to unlock the headlamp: 1. Double press the switch within 0.5 seconds, then the headlamp will directly light up at the mode saved in the last shutdown. It represents that the headlamp has been unlocked and can be working and operable as normal. 2. If the headlamp is locked, plug in the charging, then the headlamp will unlock automatically. When charged to unlocked, the headlamp doesn't flash. Lock status indicator: press or hold the switch, then the white light will flash 2 times with a low bright indicating the headlamp is locked and then go out.

Charging: Open the protective cap, and plug the charging cable connected to the power supply into the TYPE-C charging port. The indicator light turns red when charging and turns green when complete. 5V/1A high current charging, 1.5 hours is fully charged. Unplug the charging cable after complete, and cover the protective cap. When charging, you can turn on the main light in MED mode.

Battery Level Indication: When the power is on, the indicator shows the power and goes off after 3 seconds. When the power is off, tap the switch to show the power, and the indicator goes off automatically after 3 seconds. If the indicator doesn't go off, tap the switch again to turn it off.

Battery level: Green light: 81%-100%; Green light blinking: 51%-80%; Red light: 21%-50%; Red light blinking: 0%-20%.

Low Voltage Warning: When the battery is low, the power indicator flashes red light continuously 3 times per second, and the current working LED light flashes 3 times every 3 minutes. It reminds the user to replace the battery.

Low Voltage Lower Working Mode: When the headlamp detects that the battery voltage is lower than 3.0V, the main white light will lower the current working mode until the LOW mode.

Protection for Limit Time TURBO mode with time limit protection design: After working on the TURBO mode (1100 lumens) for 1 minute, the headlamp will lower automatically to 700 lumens to avoid overheating. Then it will adjust the brightness according to the temperature security.

Temperature Control Protection: The product temperature is higher than the safety value will reduce the product brightness through temperature control to avoid product damage and injury to the user. The product brightness will gradually rise when the temperature drops below the safety value.

Bracket Angle Adjustment: Users can adjust the bracket up and down 90°. It can achieve a 180° adjustment.

Tips: When carrying, please turn the battery cover loose half a turn to let the product power off to avoid mistakenly lighting up while carrying. If turned on mistakenly while carrying, it will consume electricity and may burn the objects around the headlamp due to the product overheating.

Included: HS3R headlamp (including bracket, headband), insulated patch, 1*BL1607U battery, lanyard, spare waterproof O-ring, Type-C charging cable, user manual, warranty card.

Caution: Please remove the batteries when the product is left unused. Children must use this product under adult supervision. Do not look directly at the product due to its high brightness, as this may cause eye injury and temporary blindness. Do not put the product with the battery into the fire. Otherwise, it will explode. Do not put the product with opened cover into water. Do not connect battery positive and negative terminals backward.

Warranty Terms: 15 days free replacement. If the product has quality problems under normal use within 15 days from the date of sale, customers can choose to replace the new product. The replacement product should be the same model and specifications as the new product. As the same model and specifications are no longer in production, the replacement will be not lower than the original product performance of similar products of the same brand.

5 years free warranty: If the product has quality problems under normal use within 5 years (1 year for the battery) from the date of sale, the user has free repair services. The user may pay to repair the product out of warranty. Only charge the cost of parts.

Consumers warranty with the "warranty card": shopping invoices or receipts, or online shopping retailer provided the number to contact the dealer. The dealer will provide services to consumers. CYANSKY will provide service support to the dealer.


The warranty service does not cover any damage or failure caused by:

- Extreme high dropping, unauthorized modification, or alteration;
- Improper use, storage, or maintenance;
- Battery leakage;
- Saltwater and corrosion damage the product;
- Damage caused by improper maintenance;
- Ordinary wear, tear, and fading.

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CE RoHS FC



HS3R

多功能可充电式头灯

使用说明书

CYANSKY HS3R是一款专为户外运动、工业作业、修理和露营等设计高亮多光源头灯。轻便金属外壳、L型设计、IPX8防护等级灯头灯罩、超薄透镜，具有1100流明高亮度、多档白光白光、红光照明；单电子按键控制红白光光源，电路采用结构防反接，TYPE-C充电，加宽头灯带佩戴更舒适，能满足不同环境下的照明需求。

产品参数

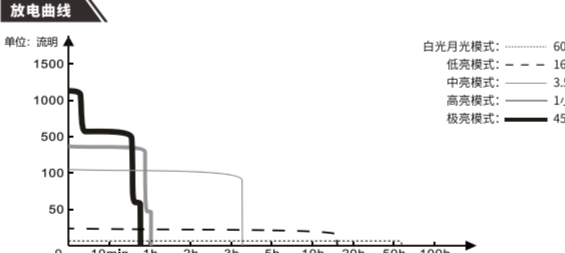
模式	主灯照明				副灯照明		
	低亮	中亮	高亮	超亮	红光常亮	红光闪烁	红光闪烁
亮度(流明)	25	130	400	1100	15	5	15
续航(小时)	16	3.5	1	45分钟	7	60	14
射程(米)	20	45	75	135	4	10	4
光束角度(圆锥角)	100	506	1406	4556	4	25	4
防护等级	IPX-8(2米)						
防水等级	IPX-8(2米)						
尺寸	69mm(长) * 33.3mm(高) * 43.4mm(宽)						
重量	整机37克; 1颗锂电(含电)55克; 磁夹+头带(含头带、头架)32克						
工作温度	-30°C ~ 50°C / -22°F ~ 122°F						

注:以上参数测量误差在±5%以内,产品由东莞市亦明电子有限公司在实验室环境下测试所得,可能会随环境温度变化有所差异。

产品特点

- 使用1颗OSRAM DURIS P9冷白光LED,寿命50000小时,2颗亿光2835红光LED;
- 使用一节700mAh容量的16340锂离子电芯(随机包装),并兼容CR123A电芯;
- 白光光源,超薄透镜,尾部磁吸,全金属设计,满足多场景照明需求;
- 续航长达110小时;防水等级IPX8;
- TYPE-C大电流充电(1.5小时充满)方便快捷,具有电量指示、充电指示功能;
- 恒流电路,亮度恒定,带档位记忆功能(白光亮度记忆不丢失);
- 结构防反接设计,防止电路短路造成电池过充过放;
- 按键锁定保护功能,防止误触点亮导致电量耗光;

放电曲线



操作说明

开机: 关机非锁定状态下,长按开关0.5秒开机。

关机: 开机状态下,长按开关0.5秒关机。

解锁: 单击电子按键解锁。

切换模式: 长按模式1.2秒,切换到另一种模式下的记忆档位。

记忆档位: 产品具有档位记忆功能,每次开机产品会记忆上次关机前使用的档位(白光亮度档位有档位记忆,而在红光亮度档位,则保持高亮档位记忆)。

锁定和解锁: 关机非锁定状态下,以下方式可进入锁定状态: 0.5秒内双击开关,此时主灯会以低亮度闪烁两次并熄灭,代表头灯进入锁定状态; 锁定状态下,以下两种方式均可解锁: 1:0.5秒内双击开关,此时头灯直接点亮上次关机前保存的档位,代表头灯已解锁,头灯进入正常点亮和待机状态; 2:若头灯已上锁,插入充电,头灯自动解锁(充电解锁,锁头灯不闪烁);锁定状态下提示:锁定状态中,单击或长按开关,白光灯会以低亮度闪烁2次提示关于锁定状态后启动。

充电提示: 插上充电口保护帽,将连接电源的充电线插入TYPE-C充电口,充电时显示红灯,充满显示绿灯,5V/1A大电流充电,1.5小时充满;充满后按下充电线,盖上保护帽,充电时以开自主灯中亮。

电量显示: 在开机时指示灯显示电量,电量指示灯在开机3秒后熄灭;或者在关机时单击并显示电量,显示3秒后自动关闭电量显示;若显示未结束,再次单击开关,可关闭电量显示。

电量在50%-80%:绿灯闪烁; 电量在20%-50%之间:显示红灯; 电量在20%以下,红灯闪烁,提示电量不足。

低电量提示: 电量指示灯在红灯闪烁3秒持续闪烁,当前工作的LED灯每3分钟闪烁三次,提示更换电池或者充电。

低电压降: 检测到电池电压低于3.0V,主白光点亮后会逐步降低亮度当前工作档位,直到降低到低亮度。

限制保护: 产品在非锁定状态下使用保护设计,在夜间工作时,1100流明亮度工作1分钟左右,亮度会降低到700流明左右,然后会慢慢提高安全性亮度。

温控保护: 产品温度高于安全值,会通过降低档位产品亮度,以避免产品损坏和伤及用户,当温度降低到安全值后,产品亮度会逐步上升。

亮度角度调节: 亮度可以向上和向下调节各90度角;实现180度角度调节。

提示: 携带时请将电池盖松半圈,让产品断电,避免在携带时点亮,如果在携带中点亮,会耗掉电量,同时也有可能产品发热而使头灯灯罩物体灼伤。

注意事项

- 请在产品放置不用时取出电池;
- 儿童应在成人的监督下使用本产品;
- 产品类属:非危险品,但可能会造成眼睛伤害和短暂失明;
- 请勿将装有电池的本产品投入火中,否则会发生爆炸;
- 请勿将打开电池的本产品投入水中;
- 请勿将电池的正负极短接。

保修条款

- 打真产品自售出之日起15天内,在正常使用情况下,出现产品质量问题,客户可选择更换产品,所换产品应为同类或同规格的新品;如购买与同规格的产品停止生产时,则更换不低于原产品性能的同品牌同类产品。
- 5年免费保修:打真产品自售出之日起5年内(电池1年内),用户在正常使用情况下,出现产品质量问题,则享受免费维修服务,5年后可以进行有偿维修,只收取成本费。
- 消费者保障时(保修卡):购物发票或收据或网上购物时零售商提供的号码与经销商联系,由经销商对产品质量提供售后服务,贵公司可再与经销商提供售后服务。

包装清单

HS3R头灯(含支架、灯带)、绝缘贴片、1*BL1607U电池、手柄、防水圈、充电线、说明书、保修卡。

东莞市亦明电子有限公司

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