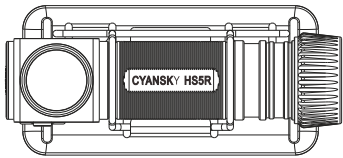


CYANSKY



HS5R

Multifunctional Rechargeable Headlamp

User Manual

CYANSKY HS5R is a high brightness multi-light headlamp designed for outdoor sports, industrial work, repair, and camping. Lightweight metal shell, L-shaped design, IP68 waterproof protection level, ultra-thin lens, and a max of 1300 lumens high brightness. Multi-mode white spotlight, red light, single electronic button to control different light sources, electronic anti-reverse connection, compatible with convex and flat 18650 battery power, support Type-C charging. Wider headlamp strap to wear more stable. It can meet your lighting needs in different environments.

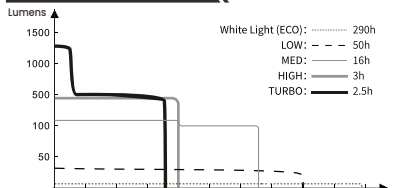
#### Specifications

| FLL STANDARD        | Main Light                  |      |      |       | Secondary Lights |       |           |
|---------------------|-----------------------------|------|------|-------|------------------|-------|-----------|
|                     | LOW                         | MED  | HIGH | TURBO | Red              | White | Red/White |
| OUTPUT(Lumens)      | 30                          | 150  | 450  | 1300  | 10               | 3     | 10        |
| RUNTIME(hours)      | 50                          | 16   | 3    | 2.5   | 27               | 290   | 54        |
| DISTANCE(Meters)    | 31                          | 75   | 122  | 280   | —                | 5     | —         |
| INTENSITY(Candelas) | 240                         | 1406 | 3721 | 10000 | —                | 6     | —         |
| IMPACT RESISTANCE   | 2M                          |      |      |       |                  |       |           |
| WATERPROOF          | IP68 (2 meters underwater)  |      |      |       |                  |       |           |
| SIZE                | 92mm(L) * 23mm(H) * 28mm(W) |      |      |       |                  |       |           |

Note: The above data is based on ANSI / PLATO FLL standard, using one CYANSKY 3400mAh 18650 battery tested in CYANSKY laboratory environment at 25°C ±2°C and 55%~85% humidity.

The runtime of TURBO is the total accumulated duration of the product circuit intelligent reduced brightness level test.

#### Discharging Curve



#### Product Features

- 1" LUMINUS SFT40 cold white LED, 2" EVERLIGHT 2835 red LEDs with 50,000 hours of lifespan.
- Powered by 1" 18650 li-ion battery (3400mAh) and compatible with 2" CR123A batteries.
- Intelligent IC controls temperature to avoid overheating caused by product damage or surface overheating caused by discomfort.
- Constant current circuit, constant brightness, with mode memory function (white light turbo mode without memory).
- Electronic anti-reverse connection design, compatible with flat batteries, prevents the battery from being installed in reverse, causing harm to the circuit.
- Red and white dual light source to meet the needs of multi-scene lighting.
- The button lock protection function prevents accidentally turning on the light cause power consumption.
- Red, green indicator, 4 indication modes to show the current battery level and charging indication function.
- The shell is made of A6061-T6 aircraft-grade hard aluminum alloy.
- Product surface with U.S. military standard three-stage hard-anodized antiwear treatment.
- Ultra-thin lens, magnetic suction tail cap, all-metal design.
- Compact size, clever construction, and can be disassembled and used as a flashlight: Red and white light sources for various scenes.
- Support Type-C 5V/2A charging.
- Maximum brightness output 1300 lumens.
- Maximum beam distance 200 meters.
- Maximum runtime 220 hours.
- IP68 waterproof & dustproof level.
- 2 meters impact resistance.
- Maximum power: 18W (3.7V/5A).
- Lighting angle: 15° spotlight angle, 80° floodlight angle.
- Workable temperature: -30°C to 50°C.
- Storage temperature: -35°C to 65°C.

· Weight: headlamp 45g; headlamp(including battery) 94g; headlamp(including battery) with accessories (headband, bracket) 136g.

· Dimension: 92mm (length) \* 23mm (height) \* 28mm (width).

· Accessories: bracket, headband, clip, 1" BL1834U battery, Type-C-charging cable, spare waterproof O-ring.

#### Certification

CE, WEEE, FCC, RoSH 2.0, UKCA, sea/air safe transport.

#### 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.

Locked 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 operatable at 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**  
Turn over the protective cap of the charging port and insert the charging cable of the adapter into the Type-C charging port of the product, which supports 5V/2A charging and shows the red light when charging, full shows green. 2 hours full charge. Please unplug the charging cable and cover the protective cap when finishing charging. When charging, you can turn on the main light at the medium level.

**Battery Level Indication**  
When the battery voltage is higher than 4.5V, it won't display the battery percentage.  
Turning on the headlamp or pressing the switch when power is turned off, the indicator will show the battery level:  
Green light: 76%-100%;  
Green light blinking: 51%-75%;  
Red light: 26%-50%;  
Red light blinking: 0%-25%.

The indicator light goes off automatically after 3 seconds. If the indicator light doesn't go off, you can press the switch again to turn it off.

**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. The headlamp will power off automatically when the battery voltage is below 2.8V.

**Protection for Limit Time**  
TURBO mode with time limit protection design.  
After working on the TURBO mode (1300 lumens) for 1 minute, the headlamp will lower automatically to 1000 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.

**Bracket Angle Adjustment**  
Users can adjust the bracket up and down 90°. It can achieve a 110° 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 heating up.

#### 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:  
1. Extreme high dropping, unauthorized modification, or alteration;  
2. Improper use, storage, or maintenance;  
3. Battery leakage;  
4. Saltwater and corrosion damage the product;  
5. Ordinary wear, tear, and fading.

#### Included

HS5R headlamp (including bracket, headband), clip, insulated patch, 1" BL1834U battery, spare waterproof O-ring, Type-C charging cable, user manual, warranty card.

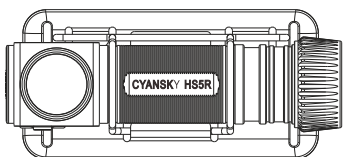


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CYANSKY



HS5R

多功能可充电式头灯

使用说明书

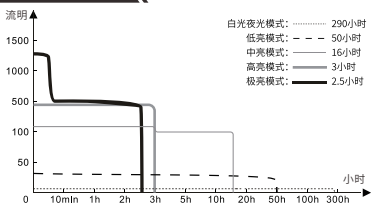
CYANSKY HS5R是一款专为户外运动、工业作业、修理和露营等而设计的高亮多光源头灯。轻便金属外壳, L型设计, IP68防护等级, 超薄透镜, 具有1300流明高亮度; 多档位聚光白光、红光照明; 单电子按键控制不同光源, 电子防反接, 兼容尖头和平头18650电池供电, Type-C充电, 加宽头灯带佩戴更稳固, 能满足您不同环境下的照明需求。

#### 产品参数

| 模式<br>档位      | 主灯照明                       |      |      |       | 副灯照明 |      |      |
|---------------|----------------------------|------|------|-------|------|------|------|
|               | 低亮                         | 中亮   | 高亮   | 极亮    | 红光常亮 | 白光夜光 | 红光闪烁 |
| 亮度(流明)        | 30                         | 150  | 450  | 1300  | 10   | 3    | 10   |
| 续航(小时)        | 50                         | 16   | 3    | 2.5   | 27   | 290  | 54   |
| 射程(米)         | 31                         | 75   | 122  | 200   | —    | 5    | —    |
| 发光强度(Candela) | 240                        | 1406 | 3721 | 10000 | —    | 6    | —    |
| 散热罩高度         | 2米                         |      |      |       |      |      |      |
| 防水等级          | IP68(水下2米)                 |      |      |       |      |      |      |
| 尺寸            | 92毫米(长度)*23毫米(高度)*28毫米(宽度) |      |      |       |      |      |      |

注: 以上数据根据ANSI / PLATO FLL标准, 使用一节CYANSKY 3400mAh 18650电池在25°C ±2°C, 湿度50%-80%的环境下, 于CYANSKY实验室环境中测试所得数据, 实际使用中可能会因电池及使用环境改变而改变。极亮档续航时间为产品电路智能降档测试的累计续航时间总长。

#### 放电曲线



#### 产品特点

- 产品使用 1 颗 Luminus SFT40 冷白光 LED, 寿命 50000 小时, 2 颗红光 2835 红光 LED;
- 产品使用一节 3400mAh 容量的 18650 锂离子电池 (随包装赠送), 并兼容 2" CR123A 电池;
- 产品采用智能 IC 控制温度, 避免过热引起产品损坏或表面过烫造成不适;
- 恒流电路, 亮度恒定, 带档位记忆功能 (白光极亮档不带记忆);
- 电子防反接设计, 兼容平头电池使用, 防止电池装反造成电路造成危害;
- 红白双光源, 满足多场景照明需求;
- 按键锁定保护功能, 防止误触点亮导致电量耗光;
- 红, 绿指示灯 4 种显示当前电池电量和充电指示功能;
- 外壳采用 A6061-T6 航空级硬质铝合金材质;
- 产品表面采用美国军规三级硬质阳极氧化抗磨损处理;

- 超薄透镜, 尾部磁吸, 全金属设计;
- 头灯体积小, 构造巧妙, 拆卸下来可当手电使用; 红白光源适用多种环境

- Type-C 5V/2A 充电;
- 产品最高亮度1300流明;
- 最大射程200米射程;
- 产品工作档位最长续航时间220小时;
- 产品防护等级: IP68;
- 产品通过跌落测试高度: 2米;
- 产品最大功率: 18W(3.7V/5A)
- 照明角度: 聚光角度15度, 泛光角度80度;
- 产品使用温度: -30摄氏度到50摄氏度;
- 产品存储温度: -35摄氏度到65摄氏度;
- 产品重量: 裸机45克; 整机(含电池)94g; 整机+配件(头灯带、支架)136g;
- 产品外形尺寸: 92mm(长度) \*23mm(高度) \*28mm(宽度);
- 附送有头灯支架、头灯带、抱夹、1" BL1834U 电池、Type-C 充电线、备用防水圈。

#### 认证

CE, WEEE, FCC, RoHS2.0, UKCA, 海运/空运运输鉴定报告。

#### 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。

**换档:**  
单击对应开关换档。

**切换模式:**  
长按按键1.2秒, 切换到另一种模式下的记忆的档位。

**档位记忆:**  
产品具有档位记忆功能, 每次开机产品会记忆关机前使用的档位 (白光极亮档没有档位记忆, 若在极亮档关机, 则保存高亮档档位)。

**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, 此时主灯以低亮档闪烁两次并熄灭, 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操作状态;  
2. 若头灯已经上锁, 插入充电, 头灯自动解锁 (充电解锁, 则头灯不闪烁); 锁定状态下提示: 锁定状态下, 单击或长按开关, 白光灯会以低亮档闪烁2次提示处于锁定状态然后熄灭。

**充电操作:**  
翻开充电口保护帽, 将接通电源的充电线插入Type-C充电口, 充电时显示红灯, 充满显示绿灯, 5V/2A充电, 2小时充满; 充满后拔下充电线, 盖上保护帽; 充电时可以开启主灯中亮档。

**电量显示:**  
检测到电池电压高于4.5V全程不显示电量, 在开机时指示灯显示电量, 电量指示灯在开机3秒后熄灭; 或者在关机时单击开关显示电量, 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, 可关闭电量指示。  
电量在75%以上显示绿灯; 电量在50%-75%, 绿灯闪烁; 电量在25%-50%之间, 显示红灯; 电量在25%以下, 红灯闪烁, 提示电量不足。

**低电量提示:**  
电量不足时, 电量指示灯红灯以每秒钟闪烁3次持续闪烁, 当前工作的LED灯每3分钟闪烁三次, 提示更换电池。

**低电压降:**  
检测到电池电压低于3.0V, 主白光灯点亮下会逐步自动降低当前工作档位, 直到降低到低亮档。头灯在电池电压降低到2.8V时自动关机。

**限时保护:**  
产品极亮档具有有限保护设计, 在极亮档工作时, 1300流明亮度下工作1分钟, 会逐渐降低到1000流明, 然后会根据温度安全性来调节亮度。

**温控保护:**  
产品温度高于安全值, 会通过温控降低产品亮度, 以避免产品损坏和伤及用户, 当温度降低到低于安全值后, 产品亮度会逐渐上升。

**支架角度调节:**  
支架可以向上和向下调节各90度角; 实现180度角度调节。

**提示:**  
携带时请将电池盖旋松半圈, 让产品断电, 避免在携带时误点亮, 如果在携带中误点亮, 会耗掉电能, 同时也可能会因产品发热而烧坏头灯周围物体。

#### 注意事项

- 请在产品放置不用时取出电池;
- 儿童须在成人的监督下使用本产品;
- 产品亮度高, 请勿直视, 否则会造成眼睛伤害和短暂失明;
- 请勿将装有电池的产品投入火中, 否则会发生爆炸;
- 请勿将打开电池盖的产品投入水中;
- 请勿将电池的正负极短接;

#### 保修条款

· 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, 客户可选择更换新品, 所换产品应为同型号同规格的新品; 如同型号同规格的产品停止生产时, 则调换不低于原产品性能的同品牌同类产品。

· 5年免费保修期: 灯具产品自售出之日起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。

· 消费者保修时凭(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, 由经销商对消费者提供服务, 我公司将对经销商提供服务支持。

- 保修服务不包括由以下原因造成的任何损坏或故障:  
1. 过高掉落、擅自修改或改造;  
2. 使用、存放或维护不当;  
3. 电池漏液;  
4. 盐水和腐蚀损坏机组;  
5. 维护不当造成的损坏;  
6. 普通磨损/褪色。

#### 包装清单

HS5R头灯 (含支架、灯带)、抱夹、绝缘贴片、1" BL1834U 电池、防水圈、充电线、说明书、保修卡。



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