

HS7R

多功能可充电头灯

产品说明书

CYANSKY HS7R头灯是一款以21700锂电池为电源、具有卓越性能和多种实用功能的可充电强光头灯。HS7R头灯 搭载高品质LED光源,提供了聚光和泛光两种照明模式。 聚光最大输出达2800流明、泛光最大输出达2000流明,多档位设计,可以让您轻松切换以适应不同场景。多色温搭配 则提供了舒适自然, 明亮精准的光线选择, 无论是户外探险 还是工业作业,均能为您带来极佳的视觉体验。HS7R头灯拥有强悍的性能。头灯配备可拆卸的不锈钢支架与加宽头 灯带, 头戴稳固, 快振方便, 握持称手, 头灯具各IP68防水防 尘等级,通过2米跌落测试。在安全性方面,HS7R头灯融入 了智能温控和光感应调节等多项配置,确保在使用过程中 为您带来无忧的照明体验。融合了实用性和创新设计 HS7R多功能充电头灯将为您的冒险旅程增添光彩!

产品参数												
模式		聚灯	照明		泛光照明							
档位	低亮	中亮	高亮	极亮	低亮	中亮	高亮	极亮				
亮度(流明)	50	200	800	2800	15	100	500	2000				
续航(小时)	100	26	6	4	140	48	9.5	4.5				
射程(米)	25	51	100	186	10	20	64	91				
发光强度(坎德拉)	156	650	2500	8649	25	100	1024	2070				
防跌落高度	2Ж											
防水級别	IP68(水下两米) 103mm(长度)*26mm(高度)*32mm(宽度)											
尺寸												

储存温度 -35°C~65°C/-31°F~149°F

工作温度

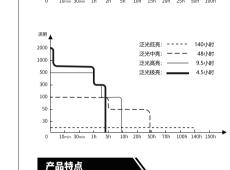
广而多数	X			`					
模式	聚灯照明				泛光照明				
档位	低亮	中亮	高亮	极亮	低亮	中亮	高亮	极亮	
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发光强度 (坎德拉)	156	650	2500	8649	25	100	1024	2070	
防跌落高度	2*								
防水級别	IP68(水下两米)								
尺寸	103mm(长度)*26mm(高度)*32mm(宽度)								

注:以上数据根据ANSI/PLATO FL1标准,使用一节CYANSKY 5000mAh 21700电池在25°C-2°C,湿度50%-80%的环境下, 于CYANSKY实验室环境中训现得救据,实际使用中可能会因 电池及使用环境改变而改变。 极壳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。

重量 裸机70克;整机(含电池)142g;整机+配件(头灯带、支架)213g

-30°C~55°C/-22°F~131°F

聚光中亮: 一一一 26小时 聚光高亮: 6小时



·产品聚光使用1颗Luminus SFT70 冷白光LED,泛光使用2 颗OSRAM DURIS P9 中白光LED, 灯珠寿命50000小时 产品使用一节5000mAh容量的21700锂离子电池(随包装

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; · 带光感应功能,防止误触开机后亮度过高灼烧周围物体,提 高安全可靠性: 双按键控制聚光、泛光光源,双色温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航空级铝合金材质; · 外壳采用A6061-T6航空级铝合金材质; · 产品表面采用军规三级硬质阳极氧化抗磨损处理; ·全金属反光杯,尾部磁吸,全金属设计; ·配备不锈钢支架,头灯支持拆卸,可握持当手电使用; 支持Type-C 5V/2A充电; ·产品最大功率:30W(6V/5A); ·照明角度:聚光角度20度,泛光角度90度.

CE、WEEE、FCC、RoHS 2.0、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,长按聚光或泛光按键0.5秒开机。

聚光运行状态下,长按聚光按键0.5秒关机;泛光运行状态下 ,长按泛光按键0.5秒关机。

聚光运行状态下,单击聚光按键循环切换聚光档位;泛光运

聚光模式下,长按泛光按键0.5秒,切换到泛光模式; 泛光模式下,长按聚光按键0.5秒,切换到聚光模式。

档位记忆 产品具有档位记忆功能,每次关机时产品会自动记录关机 前各模式下使用的档位。开机时自动进入相应模式下已记

锁定和解锁 关机非锁定状态下,以下方式可进入锁定状态: 方式1:长按聚光按键3秒,此时聚光灯闪烁2次,提示产品 已经进入到锁定状态; 方式2:长按泛光按键3秒,此时泛光灯闪烁2次,提示产品 已经进入到锁定状态;

锁定状态下,以下方式可以解锁: 方式1:长按聚光按键3秒,然后产品开机后直接点亮聚光 低壳档,此时产品可进入到正常操作状态;

方式2:长按泛光按键3秒,然后产品开机后直接点亮泛光低漂档,此时产品可进入到正常操作状态; 方式3:插入充电线充电,产品会自动解锁(此方式为充电自动解锁,产品聚光或泛光灯都不闪烁)。

产品锁定状态下提示: 锁定状态中,单击或双击聚光或者泛光按键,此时产品会以 对应的聚光灯或者泛光灯的低亮档亮度闪烁2次提示产品处于锁定状态,然后熄灭。

充电操作 翻开充电口保护帽,将适配器的充电线插入产品的Type-C充电口,支持5V/2A充电,充电时显示红灯,充满显示绿,2小时充满。充满后请拨下充电线,盖上保护帽。充电时可开启聚光或泛光的中亮档。

电量显示 产品开机时指示灯显示电量,电量指示灯在开机3秒后熄灭; 关机状态下,单击聚光或泛光按键显示电量,显示3秒后自动 关闭电量显示,若显示未结束,再次单击聚光或者泛光按键, 可关闭电量指示。

可关闭电量指示。 电池电量在75%以上显示绿灯; 电池电量在550%-75%,电池绿灯闪烁; 电池电量在25%-50%之间,显示红灯; 电池电量在25%以下,红灯闪烁,提示电量不足。

低电量提示 工作状态下,当电量不足时,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分钟闪烁三次重复下去, 提示电池电量低,需要充电或更换电池。

低电降档 当产品检测到电池电压低于3.0V,产品会逐步自动降低当前 模式工作档位,直到降低到低亮档;电池电压降低到2.7V时

限时保护 产品极亮档具有限时保护设计,聚光或者泛光在极亮档工作 时,开机工作1分钟后,会逐渐降低到800流明左右,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。

产品每次开机默认开启光感应功能,使用过程中可以手动开启或关闭,操作如下: a) 聚光运行状态下,双击泛光按键,此时聚光灯闪烁 3 次,提示产品已经关闭光感应功能,此时,若再次双击泛光灯按键,聚光灯闪烁 3次,提示产品已经开户坐板或取的 田之尤乃好疾,秦尤为内凉3次,提示广由已经开启光感应功能; b) 泛光运行状态下,双击聚光按键,此时泛光灯闪烁3次,提示产品已经关闭光感应功能,此时,若再次双击聚光打按键,泛光灯闪烁3次,提示产品已经开启光感应功能。

光感应的操作是作用于全局模式。无论在聚光或泛光模 式下关闭 / 开启光感应,切换模式时该功能保持关闭 / 开启状态。

· 产品在开启光感应功能状态下,如有物体遮挡光线(定义为遮挡物与光源大约在 20 厘米距离之内),聚光模式下,聚光灯直接降低到约 200 流明,然后再缓慢降低到约 50 流明,之后停止降低;泛光模式下,泛光灯直接降低到约 10 流明,之后再缓慢降低到约 15 流明,之 若移除遮挡物,亮度则会缓慢恢复到相应模式的当前档位亮度;如果光感应功能在关闭状态下,则不会恢复亮

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。

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 ,广品自售出乙日起 15 大內, 化止常使用隔水 5, 出现广 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 年內),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; 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

HS7R头灯(含支架、灯带)、绝缘贴片、1*BL2150U电池、防水圈、充电线、收纳袋、说明书、吊牌、保修卡。



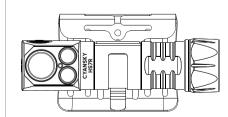
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CE ROHS FE CH Z

CYANSKY



HS7R

Multifunctional Rechargeable Headlamp

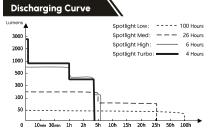
User Manual

The HS7R headlamp is a rechargeable high-performance neadlamp with various practical functions powered by a 21700 lithium battery.

HS7R has high-quality LED lights and provides spotlight and floodlight modes. The spotlight mode can output up to 2800 lumens, and the floodlight mode can output up to 2000 lumens. With multiple modes, you can easily switch to adapt to different scenarios. The multiple color temperature options also provide a comfortable, natural, and precise light source, making it suitable for outdoor adventures and industrial operations, providing you with an excellent visual experience. excellent visual experience.

The HS7R headlamp has robust performance. It comes with a detachable stainless-steel bracket and a widened headband, which can be easily worn and removed, and held comfortably in hand. The headlamp has an IP68 waterproof and dustproof rating and has passed a 2-meter drop test. Regarding safety, the HS7R headlamp integrates intelligent temperature control and light sensing adjustment to ensure a worry-free lighting experience during use.

Vith practicality and innovative design, the HS7F multifunctional rechargeable headlamp will add brilliance to your adventure journey!



Specifications

\										
FL1 STANDARD		Spotlig	ghting	Floodlighting						
LEVEL	LOW	MED	HIGH	TURBO	LOW	MED	HIGH	Τl		
OUTPUT (Lumens)	50	200	800	2800	15	100	500	2		
RUNTIME (Hours)	100	26	6	4	140	48	9.5	4		
DISTANCE (Meters)	25	51	100	186	10	20	64			
(Candelas)	156	650	2500	8649	25	100	1024	2		
IMPACT RESISTANCE	2 meters IP68 (2 meters underwater)									
WATERPROOF										
SIZE	4.06 " * 1.02 " * 1.26 " / 103mm * 26mr						m * 32mr			
WEIGHT	7.51oz / 213g (including battery and accessorie									
WORKING TEMPERATURE	-30°C ~ 55°C / -22°F ~ 131°F -35°C ~ 65°C / -31°F ~ 149°F									
STORAGE TEMPERATURE										

data is based on ANSI / PLATO FL1 standard, using one CYANSKY 21700 battery tested in CYANSKY laboratory environment at 25 C

The runtime of TURBO is the total accumulated duration of the product

Floodlight Med: ——— 48小时 Floodlight High: —— 9.5小时 Floodlight Turbo: ______ 4.5小时 100 - - - - - -

Product Features

Using 1* Luminus SFT70 cool white LED for spotlighting and 2 * OSRAM DURIS P9 medium white LEDs for floodlighting, with 50,000 hours of lifespan.
 Using 1 * 5000mAh capacity 21700 lithium-ion battery (included with the package).
 Intelligent IC to control the temperature to avoid overheating, causing damage to the product, or discomfort caused by the too-hot surface.
 Constant current circuit with constant brightness.
 Intelligent memory function.

Intelligent memory function. With light sensor function, to prevent mistakenly touching the power on after the brightness is too high burn surrounding objects, to improve safety and reliability. Dual button control spotlighting and floodlighting source, dual color temperature to meet the needs of

dual color temperature to meet the needs of multi-scene lighting.

- Switch lock protection function to prevent mistakenly touching the switch to cause power consumption.

- Red and green indicators show the current battery power and charging indication function with 4 modes.

- Shell is made of A6061-T6 aircraft-grade hard aluminum alloy. HAlll hard-anodized anti-abrasive processing surface. processing surface.

All-metal reflector. Magnetic tail cover. All-metal design.

Equipped with a stainless steel bracket. Headlamp support disassembly can be held as a flashlight using. Type-C 5V/2A charging. Maximum power: 30W (6V/5A) Lighting angle: 20° spotlight, 90° floodlight.

Certifications

CE、WEEE、FCC、RoSH 2.0、UKCA、sea/air safe transport

Operating Instruction

Press and hold the spotlight/floodlight switch for 0.5

Power OffPress and hold the spotlight/floodlight switch for 0.5 seconds to turn off the power. Switching Brightness Levels
In spotlighting mode, press the spotlight button to cycle

brough the spotlight brightness leve In floodlighting mode, press the floodlight button to cycle through the floodlight brightness levels.

Mode Switching
In spotlighting mode, press and hold the floodlight button for 0.5 seconds to switch to floodlighting mode. In floodlighting mode button for 0.5 seconds to switch to spotlighting mode.

Memory Function
The headlamp has a memory function. When the headlamp is turned off, it will save the brightness levels used before.
Automatically light up with the saved brightness level when

Locking and Unlocking Shutdown non-locked state, the following ways to lock the

Shutdown non-locked state, the following ways to lock the headlamp:

1: Long press the spotlight button for 3 seconds. At this time, the spotlight floshes 2 times, indicating that the product has entered the locked state.

2: Long press the floodlight button for 3 seconds. At this time, the floodlight flashes 2 times, indicating that the product has extend that less details.

In the locked state, the following ways can be unlocked: Long press the spotlight button for 3 seconds, then the product is turned on and directly lights up the spotlight's low brightness level. At this time, the product can enter the product operations state.

has entered the locked state.

the normal operation state. 2: Press and hold the floodlight button for 3 seconds, then the product will be turned on and directly light up the floodlight low light gear, then the product can enter the normal operation state.

3: Plug in the charging cable charging and the product will automatically unlock (charging to automatically unlock, and the product spotlight or floodlight is not flashing).

Product lock state prompt: lock state click or double-click the spotlight or floodlight button, then the product will correspond to the spotlight or floodlight low brightness flashing 2 times, prompting the product in the lock state, and then extinguished.

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/2A high current charging, 2 hours is fully charged. Unplug the charging cable after completion, and cover the protective cap. When charging, you can turn

on the headlamp in the MED brightness level.

Low Voltage Lower Working Level

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.

Battery Level Indication When turning on the headlamp, 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 gaes off automatically after 3 seconds.

The indicator light goes off automatically after 3 seconds. When the power is off, press the spotlight or floodlight button to display the battery level, and the indicator light will automatically go off after 3 seconds. If the indicator light doesn't go off, press the spotlight or floodlight button again to turn off the power indication.

Low Battery 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.

When the headlamp detects that the battery voltage is below 3.0V, the headlamp will lower the current working brightness level until the LOW level. The headlamp will power off automatically when the battery voltage is below 2.7V.

Protection for Limit Time
TURBO level with time limit protection design.
After working on the TURBO level for 1 minute, the
headlamp will lower automatically to 800 lumens to avoid
overheating. Then it will adjust the brightness according to

Light Sensor Function

The brightness of the product spotlight and floodlight TURBO level is very high. When the product is in a bag or pants pocket, to prevent accidentally touching the switch and resulting in burning objects, the product added the light sensor function from the user's safety point of view. The specific open/close operation is as follows: Each time powered on, the product is turned on the default light sensor function, and you can manually turn it on or off during use. The operation is as follows:

 Under the spotlighting state, double-click the floodlight button, and the spotlight flashes 3 times, indicating that the product has been closed light sensor function

that the product has been closed light sensor function. At this time, if double-clicking the floodlight button again, the spotlight flashes 3 times, indicating that the product has been opened light sensor function. b) Under the floodlighting state, double-click the spotlight button, then the floodlight flashes 3 times, indicating that the product has been closed light sensor function. At this time, if double-clicking the spotlight button again, the floodlight flashes 3 times, indicating that the product has been onesed light sensor function. product has been opened light sensor function.

The operation of light sensor is acting in global mode. Whether in the spotlighting or floodlighting mode off/on the light sensor, the function remains off/on when switching

• When the light sensor function is on, if there is an object blocking the light (defined as the blocking object being within approximately 20 cm of the light source), the output is directly reduced to approximately 200/100 lumens in sportlighting/flooding mode, then slowly reduced to approximately 50/15 lumens, after which it stops reducing. If the object is removed, the brightness is slowly restored to the current brightness of the corresponding mode. If the light sensor function is off, the brightness is not restored.

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

Caution

Please remove the battery 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.

HS7R headlamp (including bracket, headband), insulated patch, 1*BL2150U battery, spare waterproof O- ring, Type-C charging cable, storage bag, user manual, tag, warranty card.

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 produc The replacement product should be the same model and 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 requir the product out of warranty. 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

upport to the dealer support to the action.

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

1. Extreme high dropping, unauthorized modification, or attention.

alteration;
2. Improper use, storage, or maintenance;
3. Battery leakage;
4. Saltwater and corrosion damage the product;



CYANSKYLIGHT CO., LTD

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