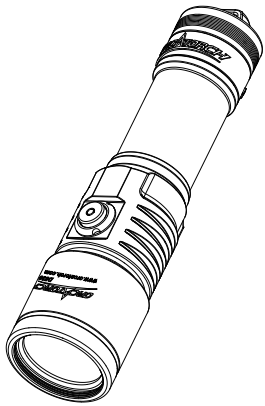




## User manual



- ☐ D530 Cold White (SOS) ☐ D530 Red ☐ D530 UV  
☐ D530 Neutral White (SOS) ☐ D530 Blue ☐ D530 Green

### PRODUCT INTRODUCTION

OrcaTorch D530 is a must-have primary dive light for divers. It offers 6 options for beam color: Cold white, Neutral white, Red, Blue, UV and Green. However, each torch has only a single fixed color. It has 2 brightness modes, which can be easily switched by pressing the side Titanium Alloy button. In addition, divers can check the remaining battery life by looking at the LED indicator on the switch.

### PRODUCT FEATURES

- ✓ Use 1\*18650 Li-ion rechargeable battery
- ✓ White beam angle 7°, Red & Blue & UV & Green beam angle 6°
- ✓ Cold white(max 1500 lumens) as primary dive light
- ✓ SOS function, for cold white and neutral white versions
- ✓ Red beam, for shooting shy animal during night dives
- ✓ Blue beam, combined with yellow filter, for marine fluorescence dives and research
- ✓ UV 395 beam, for fluorescent night diving
- ✓ Side Titanium Alloy switch, for easily switching brightness
- ✓ Battery indicator
- ✓ Safe lock function, prevents mis-operation
- ✓ Intelligent Over-Heat protection and Over-discharge protection function
- ✓ Water pressure resistant construction, depth rated to 150 meters
- ✓ Reverse polarity protection, to protect from improper battery installation
- ✓ Constructed from high-strength A6061-T6 aluminum
- ✓ Mil-Spec Type III hard anodized finish for durability and corrosion resistance
- ✓ Two sides coated toughened glass with high water pressure resistance under deep water

### TECHNICAL PARAMETERS

ANSI/NEMA FL1	光 Output		Runtime	
	High	Low	High	Low
Cold White(SOS)	1500 lumens	580 lumens	1h30min	3h10min
Neutral White(SOS)	1300 lumens	550 lumens	1h30min	3h10min
Red	190 lumens	75 lumens	3h10min	8h50min
Blue	75 lumens	35 lumens	3h10min	8h10min
UV	5 lumens	2 lumens	3h30min	7h30min
Green	350 lumens	190 lumens	3h20min	8h40min
Impact Resistant	1.5m			
Waterproof	under water 150m			

Working voltage	3-4.2 V
Dimension	142mm(Length) x 25.5mm(Diameter) x 35.5mm(Head)
Net weight	140g (excluding battery)
Accessories	1* 18650 USB-C Rechargeable Battery, 1*Lanyard 1* USB-C Charging Cable, 3* Spare O-ring,

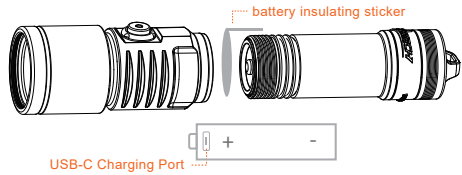
Notice: Stated data has been measured according to the international flashlight test standards ANSI/NEMA FL1 using one OrcaTorch 18650 Li-ion battery (3.7V, 3400mah) under laboratory conditions. The parameters are approximate and may vary between flashlights, batteries, and environments.

### OPERATION INSTRUCTIONS

- Switching Brightness  
Press the switch to change brightness among high, low, off. For D530 cold&neutral white versions: Double-click the switch at any brightness(high/low) to activate SOS. Then SOS mode will automatically keep repeating until the switch is pressed once.
- Battery indicator:When the light is turned on, the battery indicator will be on to show the battery level.  
-Green: over 70%      -Orange: 30%-70%  
-Red: 10%-30%      -Flashing red: less than 10%
- Safe lock function:  
Hold on the side switch for 5 seconds, the light will turn off and turn into "safe lock" state. Then switch won't work, till it's unlocked by swiftly double pressing. (The light will flicker twice as a reminder when the switch is locked or unlocked. The LED indicator will show green when switch is locked)
- Intelligent overheat protection:  
This torch is specially designed for underwater use. When used on land for too long, it might get too hot. However, this torch would automatically drop its output once its temperature reaches 65° (149°F) to prevent damage to the light due to overheating.
- The total runtime will be extended significantly if the light is used discontinuously.

### BATTERY REPLACEMENT

- As shown in the figure, insert the battery with the anode side (+) toward the light head.
- Please do not reverse battery to avoid damage to the flashlight and battery.
- Please do not use battery with higher voltage than flashlight working voltage.
- Please do not use battery with damaged surface or deformation to avoid short circuit, explosion, leakage, etc.



### USAGE AND MAINTENANCE

- ✧ Please clean the surface of the light with fresh water and wipe it dry after use in case of the seawater corrosiveness.
- ✧ Do not drop or place the light on sand in case iron sand stick or go into switch section or screw thread.
- ✧ Tighten all the connections of the light before going underwater.
- ✧ Please take out the batteries after each diving.
- ✧ Please don't disassemble the sealed head, doing so may cause damage to the flashlight and will void the warranty.
- ✧ We recommend the use of high quality batteries. If the flashlight will not be used for a long time, remove the batteries to avoid damage from electrolyte leakage or battery explosion.
- ✧ Please replace the O-rings if they are damaged after prolonged use and regularly lubricate the o-rings with silicon grease so as to not erode the rubber. Doing so will keep the flashlight properly sealed against water.
- ✧ Please clean the contacts of your light from time to time, especially when the light flickers or doesn't light up. There are probably several reasons for a flickering or not working light:  
**Reason A:** The batteries need to be replaced.  
Solution: Replace batteries (Please confirm correct installation of + and - terminals).
- Reason B:** The threads, PCB board contact or other contacts are dirty.  
Solution: Clean the contact points with an alcohol soaked cotton swab.

If the methods above don't work, please contact the distributors and refer to the warranty policy.

### PRODUCT WARRANTY

We will replace products afflicted with manufacturing defects within 30 days of purchase and repair a light free of charge within 12 months of purchase if problems develop under normal use; if repair is required after 12 months from the date of purchase, we will charge for parts. The total repair fee is dictated by the cost of the replaced materials.

Please register your OrcaTorch products through official website [www.orcatorch.com](http://www.orcatorch.com) to get extra 1 year warranty.

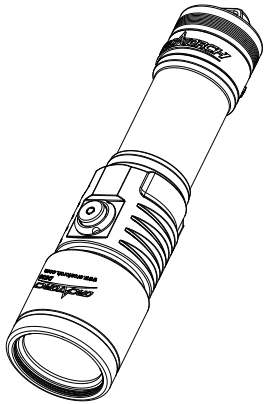
**To ensure your safe use of this product, please carefully read and adhere to the following warnings and disclaimer.**

### ⚠ WARNINGS

- Keep Out of Reach of Children**  
This flashlight should be stored out of reach of children. Children are strictly prohibited from using this flashlight to prevent accidents.
- Avoid Direct Eye Exposure**  
Do not shine the flashlight directly into the eyes. The intense light may cause irreversible damage to the eyes. Maintain a safe distance when using the flashlight.
- Avoid Close Proximity to Flammable Objects**  
Do not use the flashlight in close proximity to flammable materials. The flashlight generates high temperatures during operation, which may cause objects to ignite, posing a safety hazard.
- Prohibit Unconventional Use**  
Do not use the flashlight in unconventional ways, such as holding it in your mouth. Malfunctions of the flashlight or its internal battery may result in personal injury or life-threatening situations.
- Be Aware of Temperature**  
The flashlight generates significant heat during operation, and the surface may become very hot. Be cautious to avoid burns and do not touch the surface of the flashlight while in use.



## 说明书



- ☐ D530 冷白光(SOS) ☐ D530 红光 ☐ D530 UV光  
☐ D530 中性白光(SOS) ☐ D530 蓝光 ☐ D530 绿光

### 产品介绍

OrcaTorch D530 是一款潜水员必备的潜水主灯。它提供六种光线颜色选项：冷白光、中性白光、红光、蓝光、紫光和绿光。不过，每款手电筒只有一种固定颜色。它有两种亮度模式，只需按下侧面的钛合金按钮即可轻松切换。此外，潜水员可以通过开关上的 LED 指示灯来查看剩余电池电量。

### 产品特点

- ✓ 使用一节18650锂离子可充电电池
- ✓ 白光光线角度7°；红光，蓝光，紫光和绿光的光线角度是6°
- ✓ 冷白光最大亮度1500流明，作为潜水主灯
- ✓ 冷白光和中性白光两款，有SOS功能
- ✓ 红光可用于在夜潜时拍摄敏感的动物
- ✓ 蓝光搭配黄色滤镜片，适用于海洋荧光潜水和研究
- ✓ 紫光用于荧光夜潜。不需要搭配滤镜片使用
- ✓ 钛合金侧键开关，调节亮度很方便
- ✓ 电量指示灯设计，随心掌控使用状态
- ✓ 安全锁定功能，防止误触发
- ✓ 智能高温保护功能
- ✓ 专业抗压防水结构设计，潜水深度达150米
- ✓ 防反接设计，防止电池反接对电路造成损害
- ✓ 电池过放保护功能
- ✓ 采用高强度航空级铝材A6061-T6
- ✓ 表面采用军规三级硬质阳极氧化处理，耐用，耐腐蚀
- ✓ 双面镀膜防刮抗压钢化玻璃镜片，深水抗压能力强

### 技术参数

ANSI/NEMA FL1	光亮度		续航时间	
	高亮档	低亮档	高亮档	低亮档
D530 冷白光(SOS)	1500 流明	580流明	1小时30分	3小时10分
D530 中性白光(SOS)	1300流明	550流明	1小时30分	3小时10分
D530 红色	190流明	75流明	3小时10分	8小时50分
D530 蓝色	75流明	35流明	3小时10分	8小时10分
D530 紫色	5流明	2流明	3小时30分	7小时30分
D530 绿色	350流明	190流明	3小时20分	8小时40分
✓ 防跌落高度	1.5米			
✓ 防水等级	水下150米			
工作电压范围	3-4.2V			
尺寸	142mm (长) x 25.5mm (直径) x 35.5mm (筒头)			
净重	140g (不包括电池)			
配件	1* 18650 USB-C 可充电电池， 1* USB-C 充电线，3* 备用防水圈，1* 手绳			

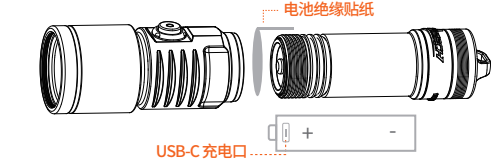
注：以上参数按照国际手电筒测试标准ANSI/NEMA FL1所述测量方法,使用1节OrcaTorch 18650锂离子充电电池 (3.7V, 3400mah) 在实验室环境中测试所得。测试参数为近似值，可能会随着手电、电池和使用环境而发生变化。

### 操作说明

- 切换亮度  
按开关，电筒亮度可在高亮、低亮和关闭之间切换。对于D530冷白光和中性白光版本：在任一亮度下（高亮/低亮），双击开关即可激活SOS模式。随后SOS模式将自动循环重复，直至再次按下开关。
- 电量指示功能：手电打开时，指示灯会显示剩余电量  
-绿色：高于 70%      -橙色：30%-70%  
-红色：10%-30%      -红色闪烁：低于 10%
- 安全锁定功能：  
按住侧边开关5秒，电筒将关闭并进入“安全锁定”状态。此时开关将无法使用，直至通过快速双击开关来解锁。（当开关锁定或解锁时，电筒会闪烁两次作为提示。在开关锁定时，开关上的指示灯会显示绿色）
- 智能高温保护功能：  
此产品专供水下使用。当在陆地上使用时，可能会出现电筒过热现象。当温度达到65°，电筒会自动降低档位，从而避免因过热而损坏产品。
- 手电在不连续使用的情况下，总续航时间将会显著延长。

### 更换电池

- 如图，将电池正极朝灯头方向，负极朝筒尾方向装入筒身；
- 请勿反装，以免造成手电和电池的损坏；
- 请勿使用超电压电池，以免损坏手电；
- 请勿使用表面有破损或者变形的电池，以免发生短路、爆炸、漏液等情况。



### 使用与维护

- ✧ 由于海水具有腐蚀性，请在使用后用清水冲洗手电表面，并擦干水份。
- ✧ 请勿将手电放在沙地上，以防止细沙进入手电开关或螺纹缝隙。

- ✧ 拧紧电筒所有连接处后方可入水。
- ✧ 每次潜水后请将电池取出。
- ✧ 请勿拆卸灯具头部密封部件，否则将会导致保修失效并可能损坏灯具。
- ✧ 请使用优质电池，并且当长期不用灯具时将电池从灯具中取出，否则可能因电池漏液或者爆炸，造成灯具损坏。
- ✧ 长期使用后，灯具的O型圈可能受到损坏。如果发现了这种情况，请您更换O型圈以维持手电的防水性能。为保持O型圈（密封胶圈）及螺纹旋动顺畅，请定期在其表面涂抹硅脂润滑。
- ✧ 请经常清洁灯具的导电接触面以保证灯具的正常工作，特别是当灯具出现异常的闪烁或者无法点亮的时候。以下是几个可能导致灯具出现异常的闪烁或者无法点亮的原因：  
原因一：电池电量不足，需要更换。  
解决方案：更换电池（装入新电池时请注意正负极方向）  
原因二：螺纹或者PCB板的导电接触面或其他接触面/接触点被弄脏了。  
解决方案：用酒精棉签清洁导电接触面或接触点。  
如果上述方法无效，请联系经销商并按照售后服务条款保修。

### 保修条款

- 30天包换期：本产品自售出之日起30天内，在正常使用情况下，出现产品质量问题，客户可选择维修服务或者更换同型号同规格的新品。如同型号同规格的产品停止生产或因其他原因不能在合理时间内安排更换，则调换不低于原产品性能的同品牌产品。
- 1年免费保修期：本产品自售出之日起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。因使用不当或擅自改装、维修而引起的产品缺陷、损坏，不在保修范围内。
- 终身有限保修：在超过1年免费保修时间外，ORCATORCH将提供有偿维修服务，费用以实际更换材料费用为准，不另收取人工费用。
- 消费者保修时凭ORCATORCH《保修卡》、购物发票或收据、网上购物时销售商提供的销售凭证与经销商联系，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。

请通过官方网址[www.orcatorch.com](http://www.orcatorch.com)注册您的产品以获得1年延保。

**为了确保您安全使用本产品，请务必仔细阅读并遵守以下警示和免责声明。**

### ⚠ 警示

- 避免儿童接触**  
本灯具应放置在儿童无法接触的地方。严禁儿童使用本灯具，以免发生意外。
- 避免直接照射眼睛**  
请勿将本灯具直接照射到眼睛。强光可能会对眼睛造成不可逆的伤害。使用时请保持一定距离。
- 避免近距离照射易燃物体**  
请勿将本灯具在近距离内照射易燃物品。灯具在工作时会产生较高温度，过热可能导致物体燃烧，带来安全隐患。
- 禁止非正常使用方式**  
请勿将本灯具以口含等非正常使用，避免因灯具或内部电池出现故障时，导致人体伤害或生命危险。
- 注意灯具温度**  
本灯具在工作时会产生大量热量，外壳温度可能会过高。请使用时注意防烫，避免接触灯具表面以防烫伤。
- 避免放置于密闭易燃环境**  
在将灯具放置于口袋、背包等密闭环境中时，请务必关机并锁定开关，或将电池取出，以防止误触而意外开启。避免在易燃物品附近使用，以免引发火灾。
- 光源不可替换**  
本灯具的光源不可拆卸或替换。当光源使用寿命结束时，请更换整个灯具，不要试图自行更换光源，以确保安全。
- 电池安全**  
仅使用制造商推荐或随附的电池和充电器。避免电池短路、过充、过放或暴露在极端温度下，以防发生火灾或爆炸。更换电池时，请确保正负极安装正确。

### 6.Avoid Placement in Enclosed or Flammable Environments

When storing the flashlight in enclosed spaces such as pockets or backpacks, ensure it is turned off and the switch is locked, to prevent accidental activation. Avoid using the flashlight near flammable materials to prevent

### 7.Non-Replaceable Light Source

The light source of this flashlight is not replaceable. When the light source reaches the end of its lifespan, replace the entire flashlight. Do not attempt to replace the light source yourself to ensure safety.

### DISCLAIMER

ORCATORCH TECHNOLOGY LIMITED shall not be held responsible for any loss, injury, or accident resulting from improper use, misuse, or failure to follow the above safety guidelines. Users must strictly adhere to these safety instructions to ensure their own safety and the safety of others. If you have any questions or are unsure about the proper use of the flashlight, please contact the manufacturer or a professional for advice.



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### ORCATORCH TECHNOLOGY LIMITED

Tel: +86-755-33560383 Fax: +86-755-29454989  
Email: [info@orcatorch.com](mailto:info@orcatorch.com) Website: [www.orcatorch.com](http://www.orcatorch.com)  
Address: 4th Floor, Building 6, Huafeng Science and Technology Park, 535 Fengtang Avenue, Fuyong, Bao'an District, Shenzhen, China (518103)

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### 深圳市拓飞电子有限公司

电话: +86-755-33560383 传真: +86-755-29454989  
邮箱: [info@orcatorch.com](mailto:info@orcatorch.com) 网址: [www.orcatorch.com](http://www.orcatorch.com)  
地址: 中国深圳市宝安区福永镇凤塘大道535号塘尾华丰科技园6栋4楼  
邮编: 518102