



User manual



- D530 Cold White D530 Red D530 UV
 D530 Neutral White D530 Blue D530 Green

PRODUCT INTRODUCTION

OrcaTorch D530 is a must-have primary dive light for divers. It offers 6 different color options, Cold white, Neutral white, Red, Blue, UV and Green. The light uses a titanium alloy side switch that offers 2 lighting modes, which allows for easy operation underwater. The LED indicator light located on the switch button also lets you know the battery's remaining charge.

PRODUCT FEATURES

- ✓ Use 1*18650 Li-ion rechargeable battery
- ✓ White light beam angle 8°, Red, Blue, UV, Green beam angle 6°
- ✓ Cold white with max 1300 lumens for primary dive light
- ✓ Red light offers two light modes for night dives to shoot shy animals
- ✓ Blue light works with the yellow filter for marine fluorescence dives and research
- ✓ UV 395 light works directly for fluorescent night diving
- ✓ Easy operation with side titanium alloy button switch
- ✓ 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	Output		Runtime	
	High	Low	High	Low
Cold White	1300 lumens	380 lumens	1h25min	4h30min
Neutral White	1200 lumens	500 lumens	1h20min	2h50min
Red	210 lumens	80 lumens	2h50min	6h10min
Blue	65 lumens	30 lumens	3h10min	8h5min
UV	8 lumens	3 lumens	3h30min	6h10min
Green	280 lumens	140 lumens	3h5min	8h5min
✓ 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	150g (excluding battery)			
Accessories	One USB rechargeable 18650 Li-ion battery, micro USB cable, lanyard, O-rings			

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

1. Modes Selection

Press side button to change among high, low, off.

2. 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%

3. Safe lock function:

Hold on the side switch for 5 seconds, the light will turn off and turn into a state of safe lock. The side switch will be useless unless unlocking it by a double press. (The light will flicker twice when you lock or unlock the switch, the battery indicator will be green when at state of locked.)

4. Intelligent Over-Heat protection:

This torch is specially designed for underwater use. When used on land for too long, it might get too hot. But this torch would drop down its output automatically once its temperature reaches 65°C to avoid damage to the light due to overheat.

5. The total runtime will be extended significantly if the light is used discontinuously.

BATTERY REPLACEMENT

1. As shown in the figure, insert the battery with the anode side (+) toward the light head.
2. Please do not reverse battery to avoid damage to the flashlight and battery.
3. Please do not use battery with higher voltage than flashlight working voltage.
4. 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 to get extra 1 year warranty.

Warning

The flashlight is high intensity lighting device and capable of causing eye damage, please avoid shining the light directly into the eyes.

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说明书



- D530 冷白光 D530 红光 D530 UV光
- D530 中性白光 D530 蓝光 D530 绿光

产品介绍

OrcaTorch虎鲸D530是一款小巧且功能强大的潜水手电筒，提供冷白光，中性白光，红光，蓝光，紫光和绿光共6种不同的颜色灯。带有钛合金侧按键开关，2档调光，操作简单快捷。带有电量指示功能，让您随时随地地掌控剩余电量。

产品特点

- ✓ 使用一节18650锂离子充电电池
- ✓ 白光发光角度 8°，红光，蓝光，UV光，绿光发光角度6°
- ✓ 冷白光高亮1300流明，可作为潜水主灯
- ✓ 红光可用于夜潜拍摄敏感的动物
- ✓ 蓝光搭配黄色滤镜片，适用于海洋荧光潜水、研究
- ✓ 紫光直接用于荧光拍摄，不需要搭配滤镜片使用
- ✓ 钛合金侧键开关，操作便捷
- ✓ 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，防止电池反装对电路造成损害
- ✓ 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	亮度		续航时间	
	高亮档	低亮档	高亮档	低亮档
D530 冷白色	1300流明	380流明	1小时25分	4小时30分
D530 中性白色	1200流明	500流明	1小时20分	2小时50分
D530 红色	210流明	80流明	2小时50分	6小时10分
D530 蓝色	65流明	30流明	3小时10分	8小时5分
D530 紫色	8流明	3流明	3小时30分	6小时10分
D530 绿色	280流明	140流明	3小时5分	8小时5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	150g(不包括电池)			
配件	1节18650 USB充电电池、数据线、手绳、O型圈			

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

1. 档位操作
按侧键开关，在高亮、低亮和关机之间切换。
2. 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%
3. 安全锁定功能：
任何状态下，长按侧键开关5秒，手电将关闭并且进入安全锁定状态，此时按侧键开关手电将无法打开，可双击侧键解锁。（锁定或解锁的同时主灯将闪烁2次作为提示，锁定后双击开关时指示灯显示为绿色）
4. 智能高温保护功能：
此产品供水下使用，当在陆地使用时，可能会出现电筒过热现象，当手电温度达到65°，手电会自动降低档位，从而避免损坏产品。
5. 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

1. 如图，将电池正极朝灯头方向，负极朝筒尾方向装入筒身；
2. 请勿反装，以免造成手电和电池的损坏；
3. 请勿使用超电压电池，以免损坏手电；
4. 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）及螺纹旋转顺畅，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

一、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。

二、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。

三、终身有限保修：在超过1年免费保修时间外，ORCA TORCH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。

四、消费者保修时凭ORCA TORCH《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注册您的产品以获得1年延保。

警告：本产品亮度极高，请勿直视发光体，以免造成视力损伤。（请勿照射航空器！）

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