78*120mm

ORCATORCH

说 明 书

D630

最高亮度 4000 流明

产品介绍

OrcaTorch D630最高亮度4000流明，是一款专为洞穴潜水，沉船潜水等水下探险活动设计的一款分体式潜水电筒。可以根据用户的需求调节连接线的角度，支持90°背挂或者180°侧挂。内置可替换超大容量电池包，给您带来高亮度下的5小时超长续航非凡体验。同时电池包可作为移动电源使用。

产品特点

- ✓ 采用5颗Cree LED，高亮4000流明
- ✓ 90°~180°角度可调连接线
- ✓ 支持背挂潜水和侧挂潜水
- ✓ 7° 超强聚光
- ✓ 电量指示灯设计，随心掌控使用状态
- ✓ 89Wh大容量可充电电池包，高亮档5小时续航
- ✓ 电池包可作为移动电源使用
- ✓ 充电指示灯设计，随心掌控充电状态
- ✓ 钛合金侧键开关，操作便捷
- ✓ 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
- ✓ 表面采用新一代钻石级抗腐蚀氧化处理
- ✓ 双面镀膜防刮抗压钢化玻璃镜片,深水抗压能力强

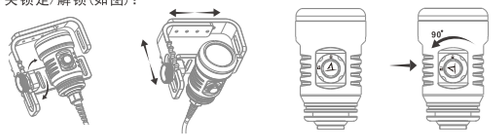
技术参数

ANSI/NEMA FL1	高亮档	中亮档	低亮档
亮度	4000流明	1500流明	460流明
续航时间	5小时	7小时26分	23小时50分
最远射程	514米(陆地)		
最大光强	66080 cd		
防跌落高度	1米		
防水等级	水下150米		
工作电压范围	6-8.4V		
充电时间	4小时		
尺寸	电池筒: 209mm（长）x 59mm（直径） 筒头: 96mm（长）x 60mm（直径）		
产品重量	1.37Kg（包括电池包）		
水中重量	0.6Kg（包含电池包）		
附件	充电电池包、手持支架、O型圈，充电器		

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OrcaTorch锂离子充电电池包（7.4V，89Wh）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. 开关锁定/解锁(如图)：



旋出灯头　调整支架宽度高度　开关锁定状态　开关解锁状态

注：首次使用请先拧开电池筒，取出电池包绝缘片。

2. 开关机：解锁并按下开关按钮可开启手电。
3. 档位切换：在开关解锁状态下，按开关按钮进行高亮、中亮、低亮、关机的切换。切换到目标档位后，请将开关锁定，防止误触发。需要再次切换档位前，请再次解锁开关。
4. 调节连接线角度：拧松连接线与电池筒连接处的螺母，按照需求调节线的角度后再次拧紧以固定。
5. 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%
6. 手电不用时，请将开关锁定，防止误触发。
7. 高温保护：当在陆地长时间使用，电筒温度达到65℃时，手电会自动降低亮度档位，防止温度过高造成电筒损坏。
8. 手电在不连续使用的情况下，总续航时间将会显著延长。

电池包使用

1. 充电：拧开电池筒，使用充电器连接DC充电口给电池包充电.当电池包上的4个指示灯全部都亮时，显示电量已经充满；
2. 放电：用USB线连接电池包上的USB口给其他设备充电（5V/2A输出）；
3. 电池包取出：拧松电池包螺纹，可取出电池包。装入电池包时请拧紧。

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。
- 如果开关旁边积累了很多盐分，会导致开关很难按动，请用40-50度的温水泡一分钟左右，这样可以使盐溶解，开关恢复如初。
- 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。
- 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OrcaTorch电池包，并且当长期不用灯具时将电池包从灯具中取出，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。

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，ORCATORCH将提供有偿保修服务，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 注册您的产品以获得1年延保。

警示：本产品亮度极高，请勿直视发光体，以免造成视力损伤。

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ORCATORCH

User manual

D630

Max 4000 lumens

PRODUCT INTRODUCTION

ORCATORCH D630 is a perfect canister dive light for cave diving, wreck diving or similar technical diving activities. The light delivers up to 4,000 lumens, and its angle adjustable cable allows both 90°and 180° rotation between canister and light head. This makes the OrcaTorch D630 perfectly suited for both sidemount and backmount diving. Its large-capacity battery pack provides up to 5 hours excellent diving experience at the brightest mode. The battery pack can also be taken out and used as a power bank.

PRODUCT FEATURES

- ✓ Uses 5* CREE LEDs, max 4000 lumens
- ✓ 90°~180° angle adjustable cable
- ✓ Suitable for both backmount and sidemount diving
- ✓ 7°super focus beam
- ✓ LED indicator offers instant update of battery status
- ✓ 89Wh rechargeable large capacity battery
- ✓ 5 hours long runtime at brightest mode
- ✓ Battery can be used as a power bank
- ✓ Battery charging indicator displays the charging status
- ✓ Easy operation with side titanium alloy button switch
- ✓ Safe lock function prevents mis-operation
- ✓ Intelligent overheat protection
- ✓ Waterproof and corrosion resistant construction Depth rated up to 150 meters
- ✓ Reverse polarity protection prevents improper battery installation
- ✓ Over-discharge protection function
- ✓ Constructed from aircraft-grade high strength aluminum alloy
- ✓ The latest diamond grade hard-anodized seawater corrosion-resistance finish
- ✓ Two-sided coated toughened glass with high water pressure resistance

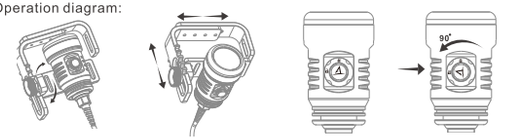
TECHNICAL PARAMETERS

ANSI/NEMA FL1	High	Middle	Low
Output	4000 Lumens	1500 Lumens	460 Lumens
Runtime	5h	7h 26min	23h 50min
Beam Distance	514m (On land)		
Intensity	66080 cd		
Impact Resistant	1m		
Waterproof	150m		
Working voltage	6-8.4 V		
Charging time	4h		
Dimension	Canister: 209mm(Length) x 59mm(Diameter) Torch：96mm(Length) x 60mm(Diameter)		
Net weight	1.37Kg(Including battery pack)		
Weight in water	0.6Kg (Including battery pack)		
Accessories	Rechargeable battery pack, Goodman handle, O-rings, Charger		

Notice: Stated data has been measured according to the international flashlight test standards ANSI/NEMA FL1 using one OrcaTorch battery pack (7.4V,89Wh) under laboratory conditions. The parameters are approximate and may vary between flashlights, batteries, and environments.

OPERATION INSTRUCTIONS

1. Operation diagram:



Turn over the light head | Adjust the height and width of the handle | Switch locked | Switch unlocked

Note: Please remove the insulator on the battery pack when you use the light for the first time.

2. ON/OFF: Unlock and press the switch to turn it on/off;
3. Mode Selection: Turn the switch 90° counter clockwise to unlock the switch. Press the switch to change modes between high, middle, low and off. Note: Switching between modes can only be made when the switch is unlocked.
4. Adjust the cable angle: Unscrew the cap nut on the cable, adjust the the angle from 90°~180° and tighten it.
5. Battery indicator: When the torch is switched on, the LED indicator will be lit on to show the battery level.
-Green: over 70%
-Orange: 30%-70%
-Red: 10%-30%
-Flashing red: less than 10%
6. When the light is not in use, please lock the switch by turning it 90° clockwise to avoid turning on the torch accidently.
7. Over-heat protection: In order to avoid damage caused by overheating (especially when used on land), the torch will automatically switch to a lower mode when its temperature reaches 65℃.
8. The total runtime will be extended significantly if the torch is not switched on for extended periods.

BATTERY USAGE:

1. Charging: Open the canister cap. Connect the DC charging port on the battery pack with the charger to start charging. The battery pack is fully charged when all 4 LED indicators light up.

2. Discharge: Connect a USB cable to the battery pack's USB port and charge other devices(output 5V/2A)
3. Removing the battery pack: Unscrew the battery pack from the canister to remove it. Ensure the battery is sealed securely when it is re-inserted.

USAGE AND MAINTENANCE

✧ Please clean the surface of the light with fresh water and wipe it dry after use to avoid seawater corrosion.
✧ The switch may be harder to press if there are traces of salt around the switch. Please rinse the switch with hot water (around 40-50℃) to dissolve the salt.
✧ Do not drop or place the light on sand to prevent sand sticking or entering the switch section or screw threads.
✧ Tighten all the connections of the torch before taking the torch underwater.
✧ Please don't disassemble the sealed front cap/torch head, doing so may cause damage to the torch and will void the warranty.
✧ We recommend using OrcaTorch battery pack. If the flashlight will not be used for a long time, take out the battery pack 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 to avoid erosion of the rubber. Doing so will keep the flashlight properly sealed against water.
✧ Please clean the contacts of your light from time to time.

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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