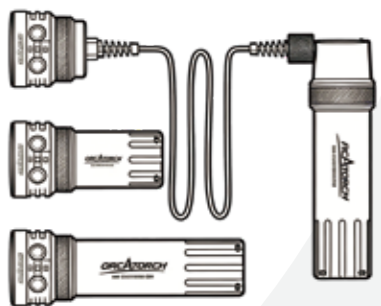




User manual



FlexDive Lighting System

Modular · Powerful · Consistent

Thank you for purchasing the OrcaTorch FlexDive dive light. Please read this manual carefully before using this product.

PRODUCT INTRODUCTION

OrcaTorch FlexDive series dive lights offer a flexible platform that adapts to your unique needs. Whether you are capturing underwater photography, exploring scuba diving environments, or using it as your technical dive light, FlexDive allows you to freely mix and match heads and battery packs based on your diving applications and duration requirements.

PRODUCT FEATURES

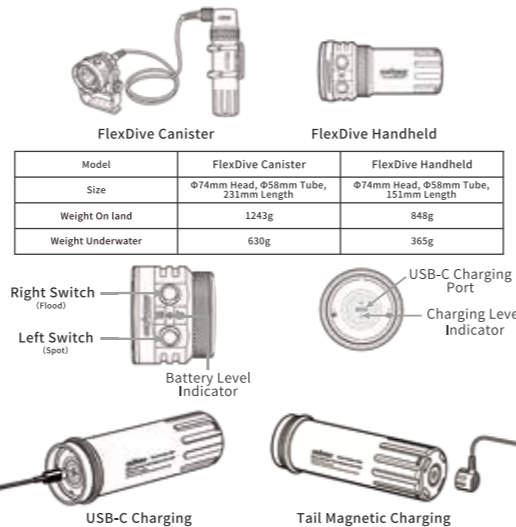
- 1.True Modular Design - Build as a system**
 - Independent light head, battery pack, and cable system
 - Swap battery packs in seconds
 - One platform, multiple configurations
- 2.Dual-Beam Control - Use separately or together**
 - 8°Spot Beam for signaling, penetration, and fine-detail inspection
 - 150° Flood Beam for wide-area illumination and underwater photography
- 3.Designed for demanding dive scenarios**
 - Cave diving Wreck penetration Technical exploration Professional operations
- 4.Constant Output - No Gradual Dimming**

TECHNICAL PARAMETERS

Beam	Flood			Flood & Spot		Spot	
	High	Mid	Low	High	Mid	Low	
Brightness	6200lm	2800lm	1200lm	8000lm	3000lm	1000lm	
FlexDive Canister Runtime	2h 40mins	6h 20mins	12h 10mins	2h 25mins	5h 10mins	22h 35mins	
FlexDive Handheld Runtime	1h 20mins	3h 5mins	6h 15mins	65mins	2h 45mins	10h 25mins	
Beam Distance	Max 108m			Max 396m			
Impact Resistant	1m						
Waterproof	Underwater 150m						
Working Voltage	12-16.8V						
Magnetic Charging Time	FlexDive Handheld 2.5h, FlexDive Canister 5h						
Material	A6061-T6 Aluminum						
Accessories	Battery Pack*1, Charger*1, Magnetic Charging Cable*1, USB-C Charging Cable*1, Spare O-ring*3, Goodman Handle*1, Ball Joint*1, lanyard*1						

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

PRODUCT SCHEMATIC DIAGRAM



OPERATION INSTRUCTIONS

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

1.Power On/Off: Long press the right button to turn the light on or off. When powered on, long press any button to turn off.

2.Light Control: The right button controls the flood light, while the left switch controls the spotlight.

3.Mode Adjustment: After powering on, click the right button to cycle through the floodlight brightness levels (Low → Medium → High). Click the left button to switch to spotlight mode and cycle through its levels (Low → Medium → Spotlight + Floodlight High).

4.Battery Level Indicator (Powered on):

- Green light: Battery 40%-100%
- Red light: Battery 15%-40%
- Red light flash: Battery below 15%

USB-C Discharge Indicator:

- Green light: Battery 66%-98%
- Orange light: Battery 33%-66%
- Red light: Battery 1%-33%

5.USB-C Charging/Discharging: Supports PD protocol, maximum power 40W (20V/2A, 15V/2A, 12V/2A, 9V/2A, 5V/5A)

6.Intelligent over-heat protection:

The 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 55°C to avoid damage to the light due to overheat.

7.The torch runtime will be extended significantly if the light is used discontinuously.

USAGE AND MAINTENANCE

- 1.Please clean the surface of the light with fresh water and wipe it dry after use in case of seawater corrosion.
- 2.Do not drop or place the light on sand to prevent sand or other hard particles from entering the light head or threads.
- 3.Tighten all the connections of the light before going underwater.
- 4.Please take out the batteries after each diving.
- 5.Please don't disassemble the sealed head; doing so may cause damage to the flashlight and will void the warranty.
- 6.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.
- 7.Please replace the O-rings if they are damaged after prolonged use and

regularly lubricate the O-rings with silicon grease so as not to erode the rubber. Doing so will keep the flashlight properly sealed against water.
8.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 the official website www.orcatorch.com to get an extra 1-year warranty.

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

⚠ WARNINGS

- 1.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.
- 2.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.
- 3.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.
- 4.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.

5.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.

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.



Scan QR Code to Enter Official Website

ORCATORCH TECHNOLOGY LIMITED

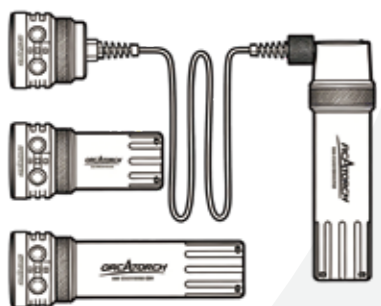
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说明书



灵潜系列潜水灯

模块化·大流明·恒亮输出

感谢您购买 虎鲸OrcaTorch灵潜潜水手电。在使用本产品前，请仔细阅读本说明书。

产品介绍

虎鲸OrcaTorch灵潜系列潜水手电提供一个模块化平台，可适应您的独特需求。无论您是进行水下摄影、探索水肺潜水环境，还是将其用作技术潜水手电，灵潜都能让您根据潜水应用和续航需求，自由搭配灯头和电池包

产品特点

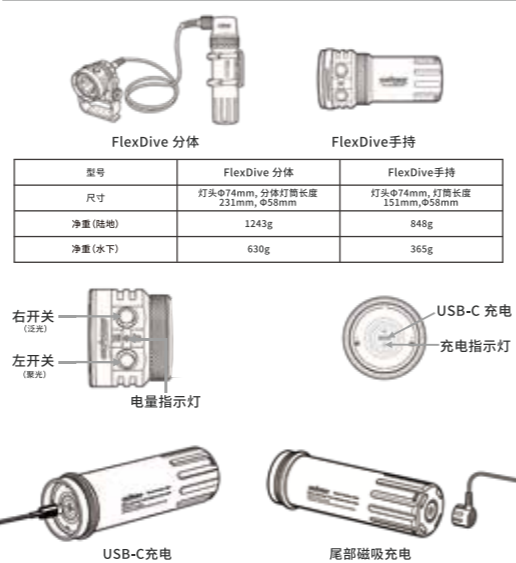
- 1.模块化设计——构建为可换系统**
独立灯头、电池组与线缆系统
数秒内即可完成电池组更换
单一平台，多种配置
- 2.双光控制——可单独或同时使用**
 - 8° 聚光，适用于信号传递、穿透照明及精细检查
 - 150° 泛光，适用于大范围照明及水下摄影
- 3.专为严苛潜水场景打造**
洞穴潜水、沉船穿越、技术探索、专业作业
- 4.恒定输出——无逐渐变暗**

技术参数

模式	泛光			泛光+聚光		聚光	
	高亮	中亮	低亮	高亮	中亮	低亮	
亮度	6200lm	2800lm	1200lm	8000lm	3000lm	1000lm	
FlexDive分体续航时间	2小时40分钟	6小时20分钟	12小时10分钟	2小时25分钟	5小时10分钟	22小时35分钟	
FlexDive手持续航时间	1小时20分钟	3小时5分钟	6小时15分钟	65分钟	2小时45分钟	10小时25分钟	
最远射程	最高108m			最高396m			
防跌落高度	1米						
防水等级	水下150米						
工作电压范围	12-16.8V						
磁吸充电时间	FlexDive手持2.5小时，FlexDive分体5小时						
材料	A6061-T6 铝合金						
附件	可充电电池包*1,磁吸充电线*1,电源充电器*1 USB-C充电线*1,防水圈*3,手柄支架*1,球头支架*1,挂绳*1						

注意: 上述数据是根据国际手电筒测试标准ANSI/NEMA FL1在实验室条件下使用测量的。该参数为近似值，可能因手电筒、电池和环境的不同而有所不同。

产品原理示意图



操作说明

注意: 首次使用手电时，请取下电池包上的绝缘片。

- 1.开机/关机:** 长按右侧按钮可开机或关机。开机状态下，长按任意按钮即可关机。
- 2.灯光控制:** 右侧按钮控制泛光灯，左侧开关控制聚光灯。

3.模式调节: 开机后，单击右侧按钮可循环切换泛光灯亮度（低亮 → 中亮 → 高亮）单击左侧按钮可切换至聚光灯模式并循环切换其亮度（低亮 → 中亮 → 聚光+泛光高亮）。

4.电量指示（开机状态下）:

- 绿灯常亮: 电量 40%-100%
- 红灯常亮: 电量 15%-40%
- 红灯闪烁: 电量低于 15%

USB-C 放电指示:

- 绿灯常亮: 电量 66%-98%
- 橙灯常亮: 电量 33%-66%
- 红灯常亮: 电量 1%-33%

5.USB-C 充放电: 支持 PD 协议，最大功率 40W (20V/2A, 15V/2A, 12V/2A, 9V/2A, 5V/5A)。

6.智能过热保护:

本手电专为水下使用设计。在陆地上长时间使用时，可能会过热。当温度达到 55°C 时，手电会自动降低输出亮度，以避免因过热造成损坏。

7.续航提示: 间歇性使用手电可显著延长其续航时间。

使用与维护

- 1.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。
- 2.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。
- 3.拧紧电筒所有连接处后方可入水。
- 4.每次潜水后请将电池取出。
- 5.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。
- 6.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。
- 7.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。
- 8.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，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。
- 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。

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说明。

⚠ 警示

- 1.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。
- 2.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。
- 3.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。



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