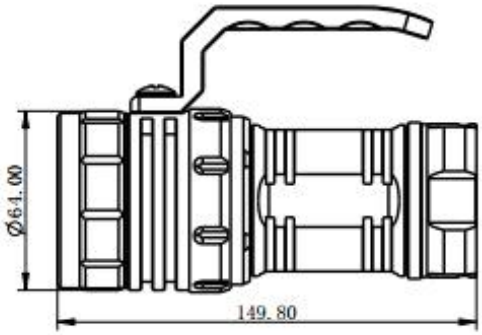
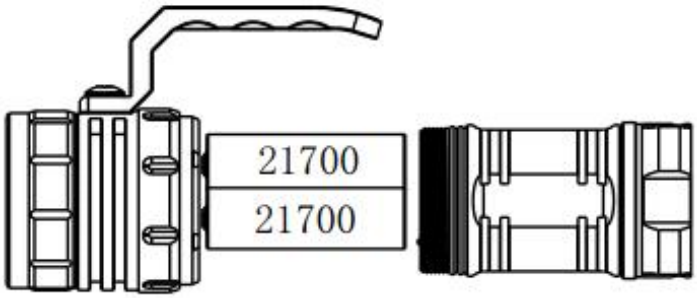
DL06







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DL06 User Manual

Wurkkos DL06 is a professional, bright diving flashlight, both powerful and IPX-8 water resistant. It is powered by 3* 21700 li-ion rechargeable battery and comes with a hidden USB-C port for internal charging and emergency reverse charging， with power indicator. Simple one hand operation via a magnetic control ring guarantees super easy handling both above and below the waterline. Moreover, DL06's simplified user interface with three brightness modes enables quick and carefree interaction even under distress.

Using 6 pieces Cree's XHP50.2 emitter makes DL06 a powerful tool with up to 15000 lumens and a maximum beam distance of 555m.

ANSI/NEMA FL1 Chart

Mode	Low	Medium	High
Luminous Flux [lm]	1000	5000	15000
Runtime	6h 21min	2h 09min	1h39min
Beam Distance [m]	135	303	555
Peak Intensity [cd]	4592	23008	76917
Impact Resistance	1m / 3.28 ft.		
Water Resistance	IP68 (up to 100m / 164yd under water)		
Notes	The above mentioned parameters are based on tests according to international flashlight testing standards (ANSI/NEMA FL1) using 3 4000 mAh 21700 Li-ion battery in our laboratory. Results may vary with different battery or under different environmental conditions.		

Specifications

- Emitter: 6x Cree XHP50.2
- Reflector: orange reflector
- Beam degree: 100°
- Operating voltage: 2.8-4.2v
- Battery options: 3x 21700 Li-Ion battery
- Dimension: 150mm (length) x 64mm (head diameter)
- Weight: 670g(without battery)
- Flashlight body: Aerospace grade 6061 grade aluminum alloy, CNC manufactured to hard-anodized to military grade specification type III, anti-abrasive finish to get solid built body, anti-crash geometry and better heat exchange.
- Toughened mineral glass lens
- Water resistance i.a.w. IPX-8
- Reverse polarity protection to protect against improper battery installation.
- Advanced Temperature Regulation (ATR) technology: ATR automatically reduces the brightness level when the driver temperature reaches 60°C to prevent overheating
- Low voltage warning: When the battery voltage is low(less than 3V), the LEDs will flash twice as a reminder to replace the battery. Please replace the battery in time to avoid any danger while diving.

Getting started

Before using the flashlight, unscrew the tail cap, remove the battery, remove the insulating plates on the battery's poles and charge the batteries. Once fully charged, insert the battery with the anode side (+) towards the head, then screw the tailcap back on.

Operation Instructions

DL06 uses a magnetic control ring. Rotate the ring to turn the light on/off and to change modes between low, medium and high.

Recharging&Reverse Charging

DL10R is supplied with 3 pieces rechargeable 21700 Li-ion battery and an integrated USB-C port hidden in the tailcap. Uscrew the tailcap from the tube to get access to the USB-C port and connect it with the supplied cable to a power supply. Please make sure to screw the tailcap back onto the tube after charging. Only recharge the battery in dry conditions to prevent any water ingress.

There is 4 pieces power indicator LEDs hidden in the tailcap.The power display will automatically turn off after 32-40 seconds. If there is any operation, the power display function will be activated.

When Charging:
4 LEDs on= remaining battery power is good (more than 85%)
3 LEDs on, 1 LED flash=remaining battery power (less than 75%)
2 LEDs on,1 LED flash=remaining battery power (50%-75%)
1 LED on,1 LED flash=remaining battery power (25%, less than 50%)
1 LED flash (0.5HZ)=remaining battery power (less than 25%)

When Reverse Charging:
4 LEDs on= remaining battery power is good (more than 85%)
3 LEDs on=remaining battery power (50%-75%)
2 LEDs on=remaining battery power (25%-50%)
1 LED on=remaining battery power (3%-25%)
2 LED flash (1HZ)=remaining battery power (less than 3%)

Caution

- Do not stare directly into the beam or point it directly into anyone's face.
- Operating DL06 for a long time on high mode will warm the flashlight up. This is normal.

Troubleshooting and Maintenance

- Disassembling the sealed head can damage the flashlight and voids the warranty.
- Wurkkos Ltd. recommends using high-quality brand batteries. Damage by defective batteries void the warranty.
- Remove the battery if the flashlight will not be used for an extended period of time.
- To prevent self-discharge or accidental activation during storage or transportation, unscrew the tailcap by half a turn or remove battery.
- Every 6 months threads should be wiped with a clean cloth followed by a thin layer of silicone grease.

- To maintain a proper level of waterproofness, replace worn-out o-rings with an approved spare (2 pieces are shipped with initial order).

  Troubleshooting: Clean battery contacts regularly as dirty contacts may impair the performance of the flashlight. If you experience problems (flicker, shine intermittently or failure to turn on) the following root causes and solutions should be tried:

  Reason A: The battery needs replacement (Battery voltage is below 3.0V).
  Solution: Replace battery with an approved type of fully charged battery.

  Reason B: Threads, PCB board contact or other contacts are dirty.
  Solutions: Please clean the contact points with a cotton swab soaked in rubbing alcohol.

  Reason C: The flashlight will not turn on upon first use.
  Solution: Please do not forget to remove the insulation stickers from the battery on first use.

If the above methods do not work please refer to the warranty policy before contacting your authorized distributor.

Please contact us if you have any questions. If your product is defective please contact us for refund or replacement within warranty period.

DL06 使用说明书

Wurkkos DL06 是一款专业的明亮潜水手电筒，功能强大且防水等级为 IPX-8。 它由 3* 21700 锂离子可充电电池供电，并带有一个隐藏的 USB-C 端口，用于 充电和紧急反向充电，并带有电量指示灯。 通过磁性控制环进行简单的单手操作，确保在陆地和水下都超级容易操作。 此外，DL06 的简化用户界面具有三种亮度模式，即使在遇险时也能实现快速、无忧的交互。

DL06 使用 6 个 Cree 的 XHP50.2 灯珠，具有高达 15000 流明和 555m 的最大光束距离。

ANSI/NEMA FL1 Chart

模式	低	中	高
流明值 [lm]	1000	5000	15000
续航	6h 21min	2h 09min	1h39min
照明距离 [m]	135	303	555
光强[cd]	4592	23008	76917
防摔等级	1 米		
防水等级	IPX-8 (100 米)		
注意	上述参数基于我们实验室使用 3 节 4000 mAh 21700 锂离子电池根据国际手电筒测试标准 (ANSI/NEMA FL1) 进行的测试。 结果可能会因不同的电池或不同的环境条件而异。		

规格

灯珠：6x Cree XHP50.2
光杯：橘皮
工作电压：2.8V – 4.2V
发光角度：100 度
电池选项：2x 21700 锂离子电池
尺寸：150mm（长）x 64mm（头径）
重量：670g（不含电池）
手电筒主体：航空级 6061 级铝合金，CNC 制造到军用级规格 III 型硬质阳极氧化，抗磨处理以获得坚固的机身，抗碰撞几何形状和更好的热交换。
钢化玻璃镜片
防水 i.a.w. IPX-8
反极性保护以防止电池安装不当。
高级温度调节 (ATR) 技术：当驱动器温度达到 60° C 时，ATR 会自动降低亮度级别，以防止过热
低电压警告：当电池电压低（小于 3V）时，主灯会闪烁两次以提醒更换电池。 潜水时请及时更换低压电池，以免发生危险。

操作说明

DL06 使用磁控环。 旋转环以打开/关闭灯并在低、中和高之间切换模式。

充电和反向充电

DL10R 配备 3 块可充电 21700 锂离子电池和隐藏在尾盖中的集成 USB-C 端口。从管子上拧下尾盖以访问 USB-C 端口，并使用提供的电缆将其连接到电源。充电后请务必将尾盖拧回管子上。仅在干燥条件下为电池充电以防止进水。

尾盖内置有 4 颗电量指示灯（电量显示 32-40 秒后关闭，按键如有操作，即激活电量显示功能）

充电时：
4 灯常亮：剩余电池电量良好（超过 85%）
3 灯常亮，1 灯闪烁：（75%≤电量）
2 灯常亮，1 灯闪烁+50%≤电量＜75%
1 灯常亮，1 灯闪烁：25%≤电量＜50%
1 灯闪烁（0.5HZ）:电量＜25%

反向充电时：
4 灯常亮：电量≥75%
3 灯常亮：50%≤电量＜75%
2 灯常亮：25%≤电量＜50%
1 灯常亮：3%≤电量＜25%
1 灯闪烁（1HZ）: 0%＜电量＜3%

警告

请勿直视光束或将其直接指向任何人的脸。

长时间在高模式下操作 DL06 会使手电筒升温，这个是正常的。

故障排除和维护

拆卸密封头可能会损坏手电筒并使保修失效。
Wurkkos Ltd. 建议使用优质品牌电池。有缺陷的电池造成的损坏使保修失效。
如果长时间不使用手电筒，请取出电池。
为防止在储存或运输过程中自放电或意外激活，请将尾盖旋开半圈或取出电池。
每 6 个月用干净的布擦拭螺纹，然后涂上一层薄薄的硅脂。
为保持适当的防水水平，请用经批准的备件更换磨损的 O 形圈（初始订单随附 2 件）。
故障排除：定期清洁电池触点，因为脏的触点可能会影响手电筒的性能。如果您遇到问题（闪烁、间歇性发光或无法开机），应尝试以下根本原因和解决方案：

原因 A：需要更换电池（电池电压低于 3.0V）。
解决方案：使用经批准的完全充电类型的电池更换电池。
原因 B：螺纹、PCB 板触点或其他触点脏。
解决方法：请用蘸有外用酒精的棉签清洁接触点。
原因 C：第一次使用手电筒不亮。
解决方案：请不要忘记在第一次使用时撕掉电池上的绝缘贴纸。

如果上述方法不起作用，请在联系您的授权经销商之前参阅保修政策。

请联系我们，如果您有任何疑问。如果您的产品有缺陷，请在保修期内联系我们进行退款或更换。