

Wurkkos DL30

Wurkkos DL30 Dive Light User Manual

Model: DL30

1. INTRODUCTION

The Wurkkos DL30 is a professional diving flashlight designed for underwater use. It features high brightness, robust waterproofing, and a user-friendly magnetic control interface. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DL30 dive light.

2. SAFETY INFORMATION

- **Battery Safety:** Use only recommended 21700 lithium-ion batteries. Ensure correct polarity during installation. Do not expose batteries to extreme heat or dispose of them in fire.
- **Heat Warning:** The flashlight may become hot during prolonged use, especially on high settings. Avoid direct contact with skin when operating at maximum output for extended periods.
- **Underwater Use:** Ensure all O-rings are properly seated and lubricated, and the tail cap is securely tightened before submerging the light. Rinse the light with fresh water after each dive.
- **Eye Protection:** Do not shine the light directly into eyes. The high lumen output can cause temporary vision impairment.
- **Magnetic Ring:** Avoid placing the magnetic control ring near strong magnets, as this may inadvertently activate the light.

3. PACKAGE CONTENTS



Image: Contents of the Wurkkos DL30 Dive Light package.

The Wurkkos DL30 package typically includes:

- 1 x Wurkkos DL30 Dive Light
- 1 x 21700 Lithium-Ion Battery (included)
- 1 x Battery Charger (USB)
- 1 x Lanyard
- 1 x User Manual
- 2 x Spare Waterproof O-rings

4. PRODUCT OVERVIEW



Image: Wurkkos DL30 Dive Light in an underwater environment.

The DL30 dive light is constructed from aerospace-grade 6061 aluminum alloy, ensuring durability and corrosion resistance. It features a specialized sealing design for IPX8 waterproofing, allowing submersion up to 100 meters.



Image: Exploded view illustrating the internal and external components of the DL30.

Key features include:

- **High Brightness:** Utilizes 3 LH351D LEDs, providing up to 3600 lumens with a neutral white tint (5000K, 90CRI) for accurate color rendition.
- **Waterproof Rating:** IPX8, submersible up to 100 meters.
- **Magnetic Control Ring:** Simplifies operation with a rotary switch for power and mode selection.
- **Advanced Temperature Regulation (ATR):** Automatically reduces brightness to prevent overheating when the driver temperature reaches 55°C.
- **Durable Construction:** Made from aerospace-grade 6061 aluminum alloy with a hard-anodized finish.

5. SETUP

5.1 Battery Installation

The DL30 uses a 21700 lithium-ion battery. Before first use, or after charging, install the battery as follows:

1. Unscrew the tail cap of the flashlight.
2. Remove any insulation stickers from the battery if present.
3. Insert the 21700 battery with the positive (+) end facing towards the head of the flashlight.
4. Screw the tail cap back on securely to ensure proper contact and maintain waterproofing.

Video: [Demonstration of battery installation and basic operation of the Wurkkos DL30.](#)

5.2 Charging the Battery

The DL30 battery is charged externally using the provided USB charger.

1. Remove the 21700 battery from the flashlight.
2. Place the battery into the external USB charger, ensuring correct polarity.
3. Connect the USB charger to a power source. The charger will indicate when charging is complete.

6. OPERATING INSTRUCTIONS

The Wurkkos DL30 features a magnetic control ring for simple and reliable operation.

ROTATE THE RING TO TURN THE LIGHT ON/OFF

3 MODES



High



Medium



Low



Image: Magnetic control ring for mode selection.

6.1 Turning On/Off and Mode Selection

Rotate the magnetic control ring to select the desired mode:

- **OFF:** Rotate the ring to the 'Off' position (indicated by a circle with a line through it).
- **Low:** Rotate to the 'Low' setting (indicated by a small light icon).
- **Medium:** Rotate to the 'Medium' setting (indicated by a medium light icon).
- **High:** Rotate to the 'High' setting (indicated by a large light icon). This is the maximum output mode.

Video: Wurkkos DL30 dive light in use during scuba diving, demonstrating its illumination capabilities.

7. MAINTENANCE

7.1 Cleaning and Lubrication

- After each dive, rinse the flashlight thoroughly with fresh water to remove salt and debris.
- Periodically inspect the O-rings for wear or damage. Replace them with the provided spare O-rings if necessary.
- Apply a thin layer of silicone grease to the O-rings and screw threads to maintain waterproofing and smooth operation.



Image: Double O-rings for secure sealing.

7.2 Battery Care

- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging lithium-ion batteries to prolong their lifespan.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on	Battery low or dead Incorrect battery installation Loose tail cap Insulation sticker not removed	Charge or replace battery Ensure correct polarity Tighten tail cap Remove insulation sticker
Light flickers or dims unexpectedly	Low battery Poor contact between battery and terminals Overheating (ATR activated)	Charge battery Clean battery contacts; ensure secure fit Reduce brightness or allow to cool
Water ingress	Damaged or improperly seated O-rings Loose tail cap	Inspect and replace O-rings; apply silicone grease Ensure tail cap is fully tightened

9. SPECIFICATIONS



PARAMETERS

ANSI	Modes	Low	Medium	High
	Output	350	1.300	3.600
	Runtime	5h 52min	2h 9min	1h 28min
	Distance	69/75	138/151	220/240
	Intensity	120	4.775	12.100
	Impact Resistance	1m/3.28ft		
	Waterproof	IPX-8(up to 100m/164yd under water)		
	Net weight	130g/0.28lb(without battery)		
	Dimension	118mm(length)* 41mm(head diameter)		

Notice:The above-mentioned parameters are approximate which may vary accordance with flashlights,batteries,and usage.

Image: Performance parameters for the DL30 Dive Light.

Feature	Detail
Model	DL30
Light Source	3 x LH351D LEDs (5000K, 90CRI)
Maximum Output	3600 Lumens
Beam Distance	Up to 220 meters
Waterproof Rating	IPX-8 (100 meters / 328 feet)
Impact Resistance	1 meter
Power Source	1 x 21700 Lithium-Ion Battery (included)
Material	Aerospace Grade 6061 Aluminum Alloy
Dimensions	4.72" (Length) x 1.57" (Head Diameter)
Weight	130 Grams (without battery)
Special Features	Magnetic control ring switch, Advanced Temperature Regulation (ATR)

10. WARRANTY AND SUPPORT

Each Wurkkos flashlight comes with a one-year replacement warranty. For warranty claims, technical support, or any inquiries regarding your Wurkkos DL30 Dive Light, please contact Wurkkos customer service through the retailer where the product was purchased or visit the official Wurkkos website.