



User manual



ORCA7

Please read this manual carefully, as it will help you use this product better.

PRODUCT INTRODUCTION

The Orca Torch ORCA7 dive light, crafted from high strength aluminum alloy, is lightweight yet robust, making it an ideal companion for diving and daily exploration. It delivers a powerful 3000 lumens in a compact, palm-sized design. With three brightness levels cycled through a single button, it offers versatile illumination. Equipped with a 21700 5000mAh high-capacity battery featuring USB-C direct charging, it eliminates power anxiety. The intelligent power indicator displays remaining battery life in real time, ensuring full control during every dive.

PRODUCT FEATURES

- ✓ Maximum Brightness 3000 Lumens
- ✓ Uses 1 x OrcaTorch 21700 5000mAh USB-C Rechargeable Battery
- ✓ 6° Ultra-Focused Beam, Perfect Spot
- ✓ Side Switch Button, Easy to Operate
- ✓ Intelligent Overheat Protection, Supports Land Use
- ✓ Professional Pressure-Resistant Waterproof Design, Diving Depth up to 150 meters
- ✓ Anti-Reverse Polarity Design, Prevents Circuit Damage from Incorrect Battery Installation
- ✓ Battery Low Voltage Protection Function
- ✓ Made of High-Strength Aluminum Alloy
- ✓ Surface Treated with New Generation Diamond-Level Anti-Corrosion Oxidation

TECHNICAL PARAMETERS

ANSINEMA FL1	High	Medium	SOS
2% Brightness	3000 Lumens	800 Lumens	500 Lumens
⌚ Runtime	1h 30min	3h 40min	/
💡 Intensity	50000 cd	15000 cd	/
📏 Beam Distance	450 m(on land)		
✓ Impact Resistance	1.5 meters		
🌊 Waterproof	Underwater 150 meters		

Working voltage	3 - 4.2 V
Dimensions	141mm (Length) x 27mm (Body Diameter) x 36mm (Head Diameter)
Net Weight	125g (without battery)
Weight in Water	105g
Accessories	21700 5000mAh USB-C Rechargeable Li-ion Battery x 1, USB-C Charging Cable x 1, Lanyard x 1, Spare O-ring x 3

*Note: The above parameters are obtained in a laboratory environment using 1 x Orca Torch 21700 lithium-ion rechargeable battery (3.6V, 5000 mAh) according to the measurement methods described in the international flashlight testing standard ANSINEMA FL 1. Test parameters are approximate and may vary with the flashlight, battery, and usage environment.

OPERATION INSTRUCTIONS

1.Mode Adjustment:

Briefly press the side switch to cycle through brightness modes: Medium → High → SOS.

2.Power Indicator:

When the flashlight is on, the indicator light shows the remaining battery power.

- Green Light (Power 60%-100%) ● Yellow Light (Power 30%-60%)
- Red Light (Power 10%-30%) ● Red Light Flashing (Power <10%)

3.Safety Lock (Prevents Accidental Activation):

Lock: When the light is off, press and hold the side button for 5 seconds

→ White light flashes twice. Locked status: Click the side button, the flashlight will not turn on, the power indicator shows a green light.

Unlock: Double-click the side button → White light flashes twice to unlock. Click the side button to turn on the flashlight.

4.Intelligent Overheat Protection Function:

This product is designed as a professional dive light: prolonged use on land may cause overheating. Automatically steps down to protect the LED core component when the temperature reaches 55°C.

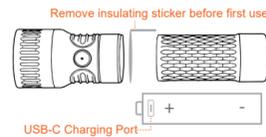
5.Runtime:

Total runtime will be significantly extended with intermittent use.

REPLACING THE BATTERY

- As shown in the diagram, insert the battery into the body with the positive (+) terminal towards the head and the negative (-) terminal towards the tail.
- Do not install the battery backwards, to avoid damaging the flashlight and the battery.

Battery Assembly Diagram:



USAGE AND MAINTENANCE

- Please clean the surface of the light with fresh water and wipe it dry after use in case of seawater corrosion.
- Do not drop or place the light on sand to prevent sand or other hard particles from entering the light head or threads.
- Tighten all the connections of the light before going underwater.
- Please take out the batteries after each diving.
- Please do not disassemble the sealed head of the flashlight, as doing so may damage the flashlight and 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 not to 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 the official website www.orcatorch.com to get an extra 1-year warranty.

⚠ Warning: This product emits extremely high brightness. Do not point the head of the flashlight towards your own or others' eyes when turning it on. Avoid direct exposure to the light source to prevent potential vision damage.

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.

8. Battery Safety

Use only the batteries and chargers recommended by the manufacturer. Avoid short-circuiting, overcharging, over-discharging, or exposing the battery to extreme temperatures, as this may result in fire or explosion. Ensure correct polarity when installing the battery.

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.

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