



User manual



D920

Handheld Primary Dive Light

Max 5000 Lumens

PRODUCT INTRODUCTION

OrcaTorch D920 is a new handheld primary dive light. It delivers an impressive 5000 lumens of brightness with a tightly focused 9° beam that reaches an extraordinary distance of 424 meters on land. Whether you're into recreational or technical diving, it is designed to meet your needs. It runs on a powerful 74Wh rechargeable lithium-ion battery pack and offers four adjustable brightness modes with a color temperature of 6500K. Its magnetic tail switch is specially designed for easy control of these modes and includes a locking function to prevent accidental activation. With its versatility and reliability, D920 is ready to support a wide range of diving adventures.

PRODUCT FEATURES

- ✓ Maximum brightness of 5000 lumens with a 9° beam angle
 - ✓ 74W rechargeable battery with large capacity
 - ✓ Magnetic tail charging system
 - ✓ Magnetic tail switch for easy brightness adjustment
 - ✓ Safe lock function to prevent accidental operation
 - ✓ Low battery mode
 - ✓ Battery protection feature for enhanced safety
 - ✓ Built from durable, high-strength A6061-T6 aluminum
- Waterproof and corrosion-resistant, rated for depths up to 150m

TECHNICAL PARAMETERS

ANSI/NEMA FL1	Turbo	High	Middle	Low
Output	5000 Lumens	2400 Lumens	850 Lumens	350 Lumens
Runtime	1h 30mins	4h 25mins	10h 20mins	35h
Beam Intensity(5m)	45000 cd			
Impact Resistant	1.5m			
Waterproof	under water 150m			
Working voltage	12V-17V			
Charging input	16.8V = 3.5A			
Charging time	2h 30mins			
Dimension	167mm(Length), 61mm(Head Dia), 58 mm (Tube Dia)			
Net weight	730g			
Underwater weight:	340g			
Accessories	Charger*1, Magnetic charging cable*1, H620 Goodman handle*1, Handheld grip*1, lanyard*1, O-ring*3			

Notice: The above data has been measured according to the international flashlight test standards ANSI/NEMA FL1 using an OrcaTorch lithium-ion battery pack (14.8V, 74Wh) under laboratory conditions. The parameters are approximate and may vary depending on the flashlight's usage environment.

OPERATION INSTRUCTIONS

Note: To activate the dive light for the first time, please unlock it by holding the tail switch for 5 seconds. The light will flash twice to confirm the unlock.

1. Brightness Mode Selection: Press the tail switch to cycle through modes—Turbo, High, Mid, Low, and Off.

2. Mode Memory Function

Under any of 4 brightness modes, press switch for 1 second, torch would turn off. Then press switch once again, torch would turn on at previous brightness level.

3. Battery indicator: When the torch is turned on, the LED indicator will be lit on to show the battery level.

● Green: over 30% ● Red: 10% - 30% ● Flashing Red: less than 10%

4. Safe Lock Function: Hold on the tail switch for 5 seconds when the torch is off, it will turn into state of safe lock. The tail switch will be useless unless unlocking it by another 5-second press. (The light will flicker twice when you lock or unlock the switch, the battery indicator will be green when pressing the tail button in lock mode.

5. Intelligent over-heat protection: This torch is specially 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 65° to avoid damage to the light due to overheat.

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

7. Low battery mode: When the battery drops below 5%, the flashlight will automatically switch to low mode(350LM) and run for approximately 2 hours.

CHARGING WAY

- Magnetic tail charging, charging time around 2h 30mins
- To protect the battery, avoid charging it only after it's completely drained. It is recommended to charge it when the power indicator flashes red, around 10% remaining.



Magnetic Switch
Battery Level Indicator



Magnetic Charging Port

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 °C) 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.

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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