



## User manual



# D630 V2.0

Max 4600 lumens

### PRODUCT INTRODUCTION

The OrcaTorch D630 v2.0 is a canister dive light designed specifically for cave diving, wreck diving, and other technical diving activities. It offers a maximum brightness of 4600 lumens. The D630 v2.0 features an adjustable angle cable 1.2m, supporting both 90° rear mounting and 180° side mounting to meet various usage needs. The built-in high-capacity battery pack provides an extended runtime of 4 hours and 20 minutes at high brightness and can also be used as a power bank. When the battery level drops below 10% (6.2V), the battery protection function automatically activates emergency lighting, offering 120 lumens with a runtime of approximately 5 hours to ensure your safety.

### PRODUCT FEATURES

- ✓ Uses 5\* LEDs, max 4600 lumens
- ✓ 90°~180° angle adjustable cable 1.2m
- ✓ Suitable for both backmount and sidemount diving
- ✓ 7"super focus beam
- ✓ 89Wh rechargeable large capacity battery
- ✓ Battery can be used as a power bank
- ✓ Easy operation with side titanium alloy button switch
- ✓ Safe lock function prevents mis-operation
- ✓ Battery protection function ensures safety
- ✓ Constructed from high-strength A6061-T6 aluminum
- ✓ Waterproof and corrosion resistant construction Depth rated up to 150 meters

### TECHNICAL PARAMETERS

ANSI/NEMA FL1	High	Middle	Low
Output	4600 Lumens	1700 Lumens	460 Lumens
Runtime	4h20mins	7h 10mins	24h
Distance Beam	400m (On land)		
Intensity	40000 cd		
Resistant Impact	1m		
Waterproof	150m		
Working voltage	6-8.4 V		
Charging time	4h		
Dimension	Canister: 209mm/8.2in(Length) x 59mm/2.3in(Diameter) Torch: 96mm/3.8in(Length) x 60mm/2.4in(Diameter)		
Net weight	1420g(Including battery pack)		
Weight in water	600g (Including battery pack)		
Accessories	H620 Goodman handle*1, O-ring*3, Charger*1, Battery Pack *1		

**Notice:** Stated data has been measured according to the international flashlight test standards ANSI/NEMA FL1 using one OrcaTorch battery pack (7.4V,89Wh) under laboratory conditions. The parameters are approximate and may vary between flashlights, batteries, and environments.

### OPERATION INSTRUCTIONS

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

- Mode Selection: Press the side button to change mode between high, middle, low and off.
- 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 than10%
- Safe Lock Function: Hold on the side switch for 5 seconds when the torch is off, it will turn into state of safe lock. The side switch will be useless unless unlocking it by a double press. (The light will flicker twice when you lock or unlock the switch, the battery indicator will be green when pressing the side button in lock mode.
- 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.
- The torch runtime will be extended significantly if the light is used discontinuously.
- Battery protection function: When the battery level drops below 10% (6.2V), the system automatically activates emergency lighting, providing 120 lumens of brightness with a runtime of approximately 5 hours.

### BATTERY USAGE:

- Charging: Open the canister cap. Connect the DC charging port on the battery pack with the charger to start charging. The battery pack is fully charged when all 4 LED indicators light up.



- Discharge: Connect a USB cable to the battery pack's USB port and charge other devices(output 5V/2A)
- Removing the battery pack: Unscrew the battery pack from the canister to remove it. Ensure the battery is sealed securely when it is re-inserted.

### 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.

### ORCATORCH TECHNOLOGY LIMITED

Tel:+86-755-33560383   Fax:+86-755-29454989

Email: info@orcatorch.com   www.orcatorch.com

Address: 4th Floor, Building 6, Huafeng Science and

Technology Park, 535 Fengtang Avenue, Fuyong,

Bao'an District, Shenzhen, China ( 518103 )



www.orcatorch.com