



User manual



DC710

USB Type-C Direct Charging Dive Light

Thank you for purchasing this OrcaTorch product. Please read this manual carefully before use and keep it for future reference!

PRODUCT INTRODUCTION

The OrcaTorch DC710 is a dive light specifically designed for underwater use. It features a USB Type-C direct charging function, making it convenient for users to recharge. It utilizes a Luminus LED with a maximum brightness of up to 3000 lumens. The DC710 is powered by a single 21700 5000mAh lithium-ion battery, ensuring reliable power support. With a beam angle of 6 degrees, the DC710 is capable of delivering an extremely focused beam for spotlighting. It is equipped with a titanium alloy side button switch for easy operation and also includes a safety lockout function to prevent accidental operation. It can function normally in water depths of up to 150 meters, offering a reliable lighting solution for divers.

Main Features:

- ✓ USB-Type C direct charging for convenient charging
- ✓ Luminus LED with a max 3000 lumens
- ✓ Powered by a single 21700 lithium-ion battery.
- ✓ 6° beam angle for an incredibly focused spotlighting effect.
- ✓ Easy operation with side titanium alloy push-button switch
- ✓ Safe lock function, prevents misoperation
- ✓ Intelligent Over-Heat protection
- ✓ Battery indicator
- ✓ Water pressure resistant construction, depth rated to 150 meters
- ✓ Reverse polarity protection, to protect from improper battery installation
- ✓ Over-discharge protection function
- ✓ Constructed from high-strength A6061-T6 aluminum
- ✓ Mil-Spec Type III hard anodized finish for durability and corrosion resistance
- ✓ Two sides coated toughened glass with high water pressure resistance under deep water

TECHNICAL PARAMETERS

ANSI/NEMA FL1	High	Middle	Low	Turbo
Output	1700 lumens	800 lumens	400 lumens	3000 lumens
Runtime	1h40min	3h40min	7h40min	/
Intensity	17204 cd			
Beam Distance	262m (On land)			
Impact Resistant	1.5m			
Waterproof	under water 150m			
Working voltage	3-4.2 V			
Dimension	163mm(Length) x 31mm(Tube) x 36mm(Head)			
Net weight	181g (excluding battery)			
Accessories	1* 21700 battery, 1* USB Type-C Charging Cable, 1*Lanyard, 3* Spare O-rings			

Notice: Stated data has been measured according to the international flashlight test standards ANSI/NEMA FL1 using one OrcaTorch 21700 Li-ion battery (3.6V, 5000mah) under laboratory conditions. The parameters are approximate and may vary between flashlights, batteries, and environments.

OPERATION INSTRUCTIONS

1. Modes selection: Press side button to change among high, middle, low off.
2. In any light modes, long press the side switch to enter the 3000 lumens mode, let go and return to the original light mode.
3. Battery indicator: When the light is turned on, the battery indicator will be on to show the battery level.
 - Green: over 70%
 - Red: 10% - 30%
 - Flashing red: less than 10%
4. Safe lock function: Hod on the side switch for 5 seconds to lock the torch in the shutdown state, and double-click the side button to unlock after it is locked (the light flashes twice as a reminder when it is locked or unlocked).
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 his 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.

USB Type-C Charging

1. Unscrew the middle barrel of the DC710 dive light
2. Insert the USB Type-C charging cable



1/4 inch Threaded Hole

BATTERY REPLACEMENT

1. As shown in the figure, insert the battery with the anode side (+) toward the light head.
2. Please do not reverse battery to avoid damage to the flashlight and battery.
3. Please do not use battery with higher voltage than flashlight working voltage.
4. Please do not use battery with damaged surface or deformation to avoid short circuit, explosion, leakage, etc.



USAGE AND MAINTENANCE

1. Please clean the surface of the light with fresh water and wipe it dry after use in case of the seawater corrosiveness.

2. Do not drop or place the light on sand in case iron sand stick or go into switch section or screw thread.
3. Tighten all the connections of the light before going underwater.
4. Please take out the batteries after each diving.
5. Please don't disassemble the sealed head, doing so may cause damage to the flashlight and will void the warranty.
6. 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.
7. Please replace the O-rings if they are damaged after prolonged use and regularly lubricate the o-rings with silicon grease so as to not erode the rubber. Doing so will keep the flashlight properly sealed against water.
8. 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 official website www.orcatorch.com to get extra 1 year warranty.

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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