



User manual



D580

Max 530 Lumens

PRODUCT INTRODUCTION

OrcaTorch D580 is a professional underwater dive light with max 530 lumens output. Mechanically head rotary switch offers high reliability underwater. The light is compatible with two types of batteries: 1* 18650 Li-ion rechargeable battery, which is economic and eco-friendly, and 3*AAA Alkaline batteries, which are low cost and easy to get. It has 6 degrees super narrow beam, quite suitable for recreational diving as a primary light and for technical diving as a backup light.

PRODUCT FEATURES

- ✓ Uses CREE LED, max 530 lumens
- ✓ Uses 3*AAA batteries, compatible with 1*18650 battery
- ✓ Max 3h 30mins runtime
- ✓ 6° beam angle
- ✓ Mechanically head rotary switch offers high reliability underwater
- ✓ Intelligent Over-Heat protection
- ✓ Water pressure resistant construction ,depth rated to 150 meters
- ✓ Reverse polarity protection, to protect from improper battery installation
- ✓ Over-discharge protection function
- ✓ Aircraft-grade high strength aluminum material
- ✓ The latest diamond grade hard-anodized seawater-corrosion-resistance finish
- ✓ Two sides coated toughened glass with high water pressure resistance under deep water

TECHNICAL PARAMETERS

ANSI/NEMAFL1	3*AAA Battery	1*18650 Li-ion battery
☀️ Output	480 Lumens	530 Lumens
🕒 Runtime	2h 50mins	3h 30mins
🛡️ Impact Resistant	1.5 m	
🌊 Waterproof	Under water 150m	
⚡ Working voltage	3.0-4.8V	
📏 Dimesion	128.5mm(Length)*27mm(Tube)*35.5mm(Head)	
⚖️ Net weight	125g	
🧰 Accessories	3*AAA battery,Battery shield,Lanyard,Spare O-rings, Brand rubber bands,User manual	

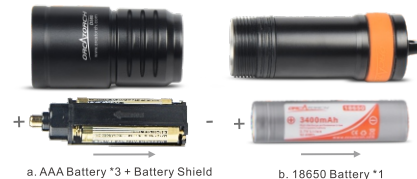
Notice:Stated data has been measured according to the international flashlight test standards ANSI/NEMA FL1 using one Orca Torch 18650 Li-ion battery (3.7V, 3400mah) and three Gassner AAA Alkaline battery under laboratory conditions.The parameters are approximate and may vary between flashlights,batteries,and environments.

OPERATION INSTRUCTIONS

1. ON/OFF: Insert the battery and tighten the light head to turn on the flashlight, unscrew the light head to turn it off.
2. We recommend to tighten the light head to turn on the light before you go underwater, and do not unscrew the light head until you have gone out of water to avoid leaking underwater.
3. The total runtime will be extended significantly if the light is used discontinuously.

BATTERY REPLACEMENT

1. As shown in the figure, a & b battery options. 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 the flashlight's working voltage.
4. Please do not use battery with damaged surface or deformation to avoid short circuit, explosion, leakage, etc.



USAGE AND MAINTENANCE

- ✦ Please clean the surface of the light with fresh water and wipe it dry after use in case of the seawater corrosiveness.
- ✦ Do not drop or place the light on sand in case corrosion sand sticks or goes into switch section or screw thread.
- ✦ Tighten all the connections of the light before going underwater.
- ✦ Please take out the batteries after each diving.
- ✦ Please don't disassemble the sealed head, doing so may cause damage to the flashlight and will 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 to not erode the rubber. Doing so will keep the flashlight properly sealed against water.
- ✦ Please clean the conductive surface of your light from time to time, especially when the light flickers or doesn't light up. There are probably several causes for a flickering or not working light:

Cause A: The batteries need to be replaced.
Solution: Replace batteries (Please confirm correct installation of + and - terminals).
Cause 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 a high intensity lighting device and capable of causing eye damage, please avoid shining the light directly into the eyes.

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