



## User manual



## D560-GL

### PRODUCT INTRODUCTION

ORCATORCH D560-GL is a scuba diving laser light specially designed for recreational diving and commercial diving. It delivers 5mW Green Laser with 520nm wavelength. Powered by one 14500 rechargeable Li-ion battery or AA battery, the max runtime can be 5 hours.

### PRODUCT FEATURES

- ✓ 5mW Green Laser with 520nm wavelength
- ✓ Uses a single AA battery or 14500 Li-ion battery
- ✓ Mechanically head rotary switch offers high reliability underwater
- ✓ Water pressure resistant construction ,depth rated to 150 meters
- ✓ High efficiency constant current circuit, constant brightness
- ✓ 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
- ✓ Alloy aluminum reflector with professional optical analysis
- ✓ Two sides coated toughened glass

### TECHNICAL PARAMETERS

Battery Model	AA battery	14500 battery
⌚ Runtime	5h20min	5h
📏 Beam Distance	>1000m(On land)	
✓ Impact Resistant	1m	
🌊 Waterproof	Under water 150m	
⚡ Working voltage	0.8-4.2 V	
📏 Dimension	92mm(Length) x 20mm(Diameter) x 24mm(Head)	
⚖ Net weight	50g(excluding battery)	
📦 Accessories	2*AA batteries, Lanyard, O-ring,	

Notice: Stated data has been measured according to the international flashlight test standards ANSI/NEMA FL1 using one AA Ni-MH battery (1.5V, 2450mAh) and one OrcaTorch 14500 Li-ion batteries (3.7V, 700mAh) 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, 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

- ✦ 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 iron sand stick or go into switch section or screw thread.
- ✦ Tighten all the connections of the light before going underwater. For rotary switch flashlight, we recommend to tighten the switch to turn on the light before you go underwater, and do not unscrew the switch until you have gone out of water to avoid leaking 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 so as to not 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 official website [www.orcatorch.com](http://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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