



## User manual



# D560

## Max 630 Lumens

### PRODUCT INTRODUCTION

ORCATORCH D560 is a mini backup diving flashlight with only 9 cm length. Its max output can reach 630 lumens by using a single 14500 battery, and the longest runtime is 1h25min by using one AA Ni-MH battery. With robust water pressure resistant construction, reliable head mechanically rotary switch, and mini style appearance, D560 is the EDC (everyday carry) flashlight we specially designed for divers.

### PRODUCT FEATURES

- ✓ Cree LED, 630 lumens output
- ✓ 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
Output	180 Lumens	630 Lumens
Runtime	1h25min	1h
Beam Distance	73m (On land)	119m (On land)
Intensity	1320cd	3520cd
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	47.5g (excluding battery)	
Accessories	O-ring, lanyard	

Notice: Stated data has been measured according to the international flashlight test standards ANSI/NEMA FL1 using one AA Ni-MH battery (1.2V, 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 use battery with higher voltage than flashlight working voltage.
3. 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.
- ✦ 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.

### ORCATORCH TECHNOLOGY LIMITED

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

Email: [info@orcatorch.com](mailto:info@orcatorch.com) [www.orcatorch.com](http://www.orcatorch.com)

Address: 7F, Building 6, Rundongsheng Industrial Park, Gushu, Xixiang, Baoan, Shenzhen, China (518102)



[www.orcatorch.com](http://www.orcatorch.com)