ORCATORCH

User manual

D620

Max 2700 lumens

PRODUCT INTRODUCTION

ORCATORCH D620 is a primary canister dive light specially designed for underwater adventure such as scuba diving and cave diving. The newly designed switch can be locked when rotated 90 degrees, which not only offers easy and reliable operation but also avoid turning on the light accidently. The included easy-pack adjustable rotary goodman handle is easy to be assembled by hand. The light uses 4 pcs 18650 batteries, and has a max output of 2700 lumens, which makes it a very useful tool to meet your underwater needs.

PRODUCT FEATURES

- ✓ Cree XHP70 LED, 2700 lumens output
- ✓ Uses four 18650 Li-ion batteries
- ✓ 90° rotary lockable switch offers easy and reliable operation
- ✓ Easy-pack adjustable rotary goodman handle
- ✓ Water pressure resistant construction ,depth rated to 150 meters
- ✓ Over-heat protection
- ✓ 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
- ✓ Toughened glass with two-side coating

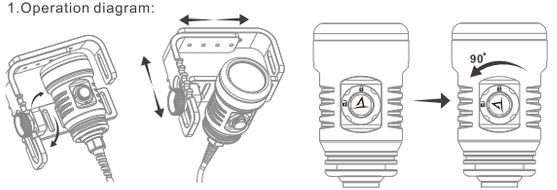
TECHNICAL PARAMETERS

ANSI/NEMA FL1	High	Middle	Low
Output	2700 Lumens	800 Lumens	150 Lumens
Runtime	2h30min	8h50min	37h
Beam Distance	260m (On land)		
Intensity	16870cd		
Impact Resistant	1m		
Waterproof	Under water 150m		
Working voltage	5.5 – 8.4 V		
Dimension	Light head: 83mm(Length) x 50mm(Diameter) Canister:113mm(Length)x54mm(Diameter)		
Net weight	681g（excluding battery）		
Accessories	Four 18650 batteries, charger, handle, O-rings		

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

OPERATION INSTRUCTIONS

1.Operation diagram:



Turn over the light head | Adjust the height and width of the handle | Switch locked | Switch unlocked

2.ON/OFF: Insert the battery and tighten the connections through location hole, unlock and press the switch to turn it on.

3.Mode Selection: When the switch is unlocked, press the switch to switch modes among high, middle, low and off. When you're using a certain mode, please lock the switch in case the mode is switched by accident pressing. Please unlock the switch if you need to change to another mode again.

4.When you are not using the light, please lock the switch to avoid turning on the light accidently.

5.Over-heat protection: In order to avoid damage caused by heat, when using on land continuously, the light will turn to a lower mode automatically when its temperature arrives 75℃.

6.The total runtime will be extended significantly if the light is used discontinuously.

BATTERY REPLACEMENT

1. Please insert the batteries with the right direction as mark on the light.
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.
- ✧ 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.

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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