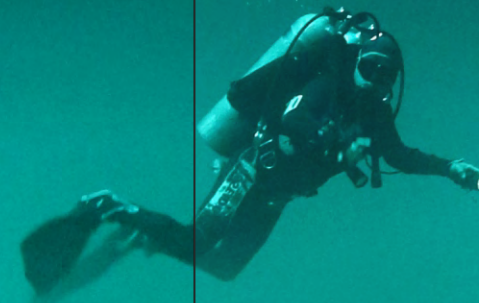




Personal lighting solutions provider for safe diving



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## Introduction

OrcaTorch was founded by a group of passionate flashlight enthusiasts and technology geeks in 2014. The founder Carson Weng, is an outdoor enthusiast who has more than 10 years experience in the manufacture of high-end flashlights. When he was diving in Thailand for the first time in 2013, he found that divers were using low quality dive lights which lacked innovation and usually did not work in the critical moments. He decided to use his talent in the flashlight industry and created a high quality and innovative dive light brand and named it as OrcaTorch.

Orca, is a kind of whale that is fearless in challenging everything, free and unconstrained to parade all over the sea as it pleases. They conquer all the difficulties with team spirit and wisdom. They are the overlords of the sea and the best symbol of underwater adventure spirit.

Named after and inheriting the excellent characteristics of the Orca, which combine with advanced technology, OrcaTorch has developed a series of dive lights and underwater video lights that features high brightness, long runtime, long beam distance, significant waterproofness, high impact resistance, convenient operation, etc. OrcaTorch advocates the spirit of "follow your heart and just do it", we would love to explore the wonders of the world, feel the excitement of challenge and enjoy the freedom of life together with all underwater adventurers.



## LED

OrcaTorch lights adopt CREE LED, which is well-known as environmentally friendly, long lifetime and durable. CREE LED has a lifespan of over 50,000 hours, with 10 times luminous efficiency as the normal LEDs.

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## Circuit

OrcaTorch lights use the high efficiency constant current circuit instead of PWM circuit. Constant current offers constant brightness without flicker which protects eyesight and also suitable for photography.

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## Optic design

OrcaTorch lights are designed with robust water pressure resistant construction. Every OrcaTorch dive lights has passed 150 meters high water pressure test, 1 meter impact resistance test.

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## Construction

OrcaTorch lights are designed with robust construction to ensure good heat dissipation, impact resistance to 1 meter, and 150 meters waterproof. Every OrcaTorch dive lights has passed 150 meters high water pressure test, 1 meter impact resistance test.

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## Manufacturing process

OrcaTorch lights use aircraft-grade aluminum AL-6061-T6 with light weight and high strength. All lights adopt premium Type III military hard-anodized finish which is better anti-abrasive than normal anodization and performs well in extreme environment. We also upgrade the finish of diving light to latest diamond grade seawater-corrosion-resistance hard anodized finish which is thicker and denser than normal Premium Type III military hard anodization, making the light surface as tough as diamond to protect the light from seawater corrosion.

## Testing standard

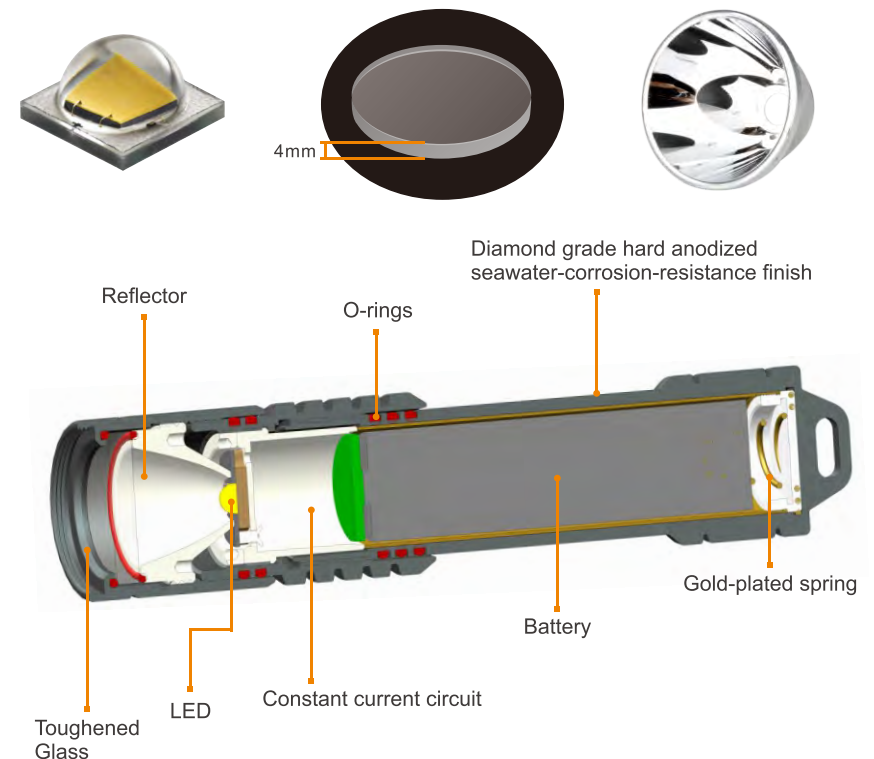
OrcaTorch's stated data has been measured according to the international flashlight test standards (ANSI/NEMA FL1) under laboratory conditions.

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## 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 you register your OrcaTorch products through our official website [www.orcatorch.com](http://www.orcatorch.com), you will get extra 12 months and totally 2 years warranty.



**NEW PRODUCTS**  
—COMING SOON—



ORCATORCH D530

**ORCATORCH D530** is an affordable easy operation dive light for both sport divers and recreational divers. It's max 1000 lumens and brightness adjustable by a simple side switch.

**NEW PRODUCTS**  
—COMING SOON—



ORCATORCH D950V

**ORCATORCH D950V** is a 10,000 lumens light for professional underwater photography and videography. Adjustable four steps brightness and ultra wide angle lens provides precise and uniform illumination to your subject.

**D500+** Max 1000 lumens

This portable dive light is equipped with a totally sealed magnetic controlled side switch which not only eradicates the switch leaking problem but also provides flexible operation underwater.

ANSI/NEMA FL1	High	Middle	Low	Strobe
Output	1000 Lumens	425 Lumens	85 Lumens	1000 Lumens
Runtime	1h30min	4h10min	18h30min	/
LED	Cree LED			
Battery options	1*18650/2*CR123A/2*16340 batteries			
Dimension	152mm(Length) x 28mm(Diameter) x 45mm(Head)			
Net weight	216g (excluding battery)			
Accessories	O-ring, wrist strap, lanyard			



OrcaTorch D500V+ is specially designed for underwater photography, 120 degrees super wide beam angle with no hot spot.



D500+



D500V+

**D520** Max 1000 lumens

ORCATORCH D520 is a palm-sized diving light with a mechanically rotary switch. Using the USA CREE neutral white LED, its max output can reach 1000 lumens, meanwhile the 5000K LED color temperature provides superb color rendition.

ANSI/NEMA FL1	Mode
Output	1000 lumens
Runtime	2h
LED	CREE LED
Battery options	1*18650/2*CR123A/2*16340 batteries
Dimension	134.5mm(Length) x 24mm(Diameter) x 30mm(Head)
Net weight	113.5g (excluding battery)
Accessories	18650 battery, charger, O-ring, lanyard



color:

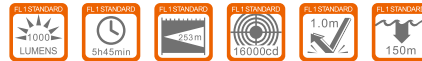


## D550 Max 1000 lumens

OrcaTorch D550 is smaller and more portable than D500+. The tail magnetic switch offers multiple choices on modes to meet different needs.



ANSI/NEMA FL1	High	Low	Strobe
Output	1000 Lumens	367 Lumens	1000 Lumens
Runtime	2h5min	5h45min	/
LED	Cree LED		
Battery options	1*18650 Li-ion battery		
Dimension	146mm(Length) x 25.4mm(Diameter) x 40mm(Head)		
Net weight	183g (excluding battery)		
Accessories	18650 battery, charger, O-ring, wrist strap, lanyard		



## D560-GL

ORCATORCH D560-GL underwater laser light is specially designed for recreational diving and commercial diving. It's compatible with two kinds of batteries: the 14500 Li-ion rechargeable battery which is economical and environment-friendly, and the normal AA battery which is low cost and easy to buy.



D560-GL

D560-RL

Battery Model	AA battery	14500 battery
Runtime	D560-GL: 2h36min D560-RL: 10h24min	5h 17h30min
Beam Distance	>1000m(On land)	
Dimension	92mm(Length) x 20mm(Diameter) x 24mm(Head)	
Net weight	50g (excluding battery)	
Accessories	2*AA batteries, Lanyard, O-ring,	



ORCATORCH also provides options of Red Laser D560-RL.

## D560 Max 630 lumens

ORCATORCH D560 is a mini 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 battery. The light can rotate 360° angle with Orcatorch MX05 mask mount. Every diver deserves a D560.



ANSI/NEMA FL1	AA battery	14500 battery
Output	180 Lumens	630 Lumens
Runtime	1h25min	1h
LED	Cree LED	
Battery options	1*AA/1*14500 battery	
Dimension	92mm(Length) x 20mm(Diameter) x 24mm(Head)	
Net weight	47.5g (excluding battery)	
Accessories	O-ring, lanyard	



## D570-GL Max 1000 lumens

OrcaTorch D570-GL is a 1000 lumens dive light specially designed for recreational diving and commercial diving. Besides regular white beam, it offers quick access to the laser light. The two light sources can be controlled independently which meet your different usage scenes. The side switch with battery indicator offers easy operation and also instant knowledge of remaining battery level.



ANSI/NEMA FL1	White	Laser
Output	1000 Lumens	-
Runtime	1h51min	11h 36min(D570-GL) 80h(D570-RL)
Beam distance	281m(On land)	>1000m(On land)
Battery options	1*18650 Li-ion battery	
Dimension	134mm(Length) x 26mm(Diameter) x 40mm(Head)	
Net weight	176g (excluding battery)	
Accessories	One 18650 Li-ion battery, charger, lanyard, O-rings	



ORCATORCH also provides option of Red Laser D570-RL.

## D800 Max 2100 lumens

OrcaTorch D800 is a high power dive light with mechanically tail rotary switch for technical diving use. Using three USA CREE LEDs and powered by two 26650 batteries, the light can reach an amazing 2100 lumens output.

ANSI/NEMA FL1	Mode
☀️ Output	2100 Lumens
🕒 Runtime	3h20min
LED	CREE LED
Battery options	2*26650 batteries
Dimension	222mm(Length) x 34mm(Diameter) x 66mm(Head)
Net weight	462g (excluding battery)
Accessories	2*26650 batteries, charger, O-ring, lanyard



## D810 Max 950 lumens

OrcaTorch D810 is a dive light with high output, reliability, and portability. The mechanically head rotary switch offers high reliability underwater. Powered by one 26650 Li-ion battery, it can reach 950 lumens output with one single LED.

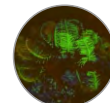
ANSI/NEMA FL1	Mode
☀️ Output	950 Lumens
🕒 Runtime	3h10min
LED	Cree LED
Battery options	1*26650 li-ion battery
Dimension	146mm(Length) x 34mm(Diameter) x 50mm(Head)
Net weight	262g (excluding battery)
Accessories	26650 battery, charger, arm strap, O-ring, lanyard



D810



D810V



D810-UV  
(UV LED)



D810-B  
(Blue LED)



D810-R  
(Red LED)

OrcaTorch D810V is specially designed for underwater photography, 120 degrees super wide beam angle with no hot spot.

OrcaTorch also provide options of UV, Blue, Red LEDs instead of cool white LED of D810.

## D820V Max 1600 lumens

ORCATORCH D820V is a compact USB charging video light. It has 120 degrees super wide floodlighting with no blind angle for underwater photography. D820V offers three kinds of light sources: Neutral white, UV and Red, which not only helps your photography or videography in the dark water but also can create amazing fluorescence of marine organisms. The unique designed titanium alloy side button switch provides easy operation underwater.



ANSI/NEMA FL1	High	Low	Red	UV
☀️ Output	1600 Lumens	550 Lumens	250 Lumens	-
🕒 Runtime	2h	4h	3h25min	6h40min
LED	4*neutral white, 2*red and 2*UV LED			
Battery options	1*rechargeable battery			
Dimension	153mm(Length) x 30mm(Diameter) x 45mm(Head)			
Net weight	250g (excluding battery)			
Accessories	rechargeable battery, USB cable, ball joint, lanyard, O-rings			



## D860 Max 4200 lumens

ORCATORCH D860 is a high performance dive light with max 4200 lumens output. With the direct charging function, the light can be charged with battery pack inside. The battery indicator offers instant knowledge of remaining battery level. And the unique designed titanium alloy tail button, with its locking function, can perfectly avoid accidental use. What's more, the handle with special holes allows the light to be attached to various devices freely.



ANSI/NEMA FL1	High	Low	Strobe
☀️ Output	4200 Lumens	1500 Lumens	500 Lumens
🕒 Runtime	1h	4h30min	14h
LED	Cree LED		
Battery options	Battery pack		
Dimension	189mm(Length) x 51mm(Diameter) x 64mm(Head)		
Net weight	773g		
Accessories	Battery pack, home charger, lanyard, O-rings		



## D611 Max 2400 lumens

OrcaTorch D611 is a primary canister dive light upgraded from D610. It adapts only one Cree LED but delivers max 2400 lumens amazing output. OrcaTorch's unique magnetic switch offers multiple choices on modes to meet different needs.



color:



D611

D611V

ANSI/NEMA FL1	High	Middle	Low
Output	2400 Lumens	830 Lumens	180 Lumens
Runtime	2h10min	6h36min	22h
LED	Cree LED		
Battery options	2*26650 Li-ion batteries		
Dimension	Light head: 82mm(Length) x 50mm(Diameter) Canister: 194mm(Length) x 40mm(Diameter)		
Net weight	580g (excluding battery)		
Accessories	2*26650 batteries, charger, handle, O-ring		

OrcaTorch D611V is specially designed for underwater photography, 120 degrees super wide beam angle with no hot spot.

## D620 Max 2700 lumens

ORCATORCH D620 is a primary canister dive light specially designed for underwater adventure. 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 accidentally. The included easy-pack adjustable rotary Goodman handle is easy to be assembled by hand.



D620

D620V



ANSI/NEMA FL1	High	Middle	Low
Output	2700 Lumens	800 Lumens	150 Lumens
Runtime	2h30min	8h50min	37h
LED	Cree LED		
Battery options	4*18650 Li-ion batteries		
Dimension	Light head: 83mm(Length) x 50mm(Diameter) Canister: 113mm(Leng) x 54mm(Diameter)		
Net weight	681g (excluding battery)		
Accessories	Four 18650 batteries, charger, handle, O-rings		

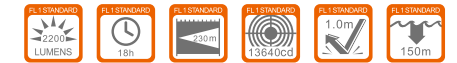
OrcaTorch D620V is specially designed for underwater photography, 120 degrees super wide beam angle with no hot spot.

## D900V Max 2200 lumens

ORCATORCH D900V is a video light specially designed for underwater photographer. It features four colors within one light: Red, UV, Neutral white with 120° wide beam and Cool white with 8° spot beam. With the industry's first magnetic fast charging technology, the light can be charged without taking out the battery. The unique designed dual titanium alloy button system can control different lighting source independently, and its locking function can perfectly avoid accidental use. The dual LED indicator design offers instant knowledge of remaining battery level.



ANSI/NEMA FL1	Neutral White (flood beam)		Cool White (spot beam)		Red	UV
	High	Low	High	Low		
Output	2200 Lumens	600 Lumens	820 Lumens	250 Lumens	250 Lumens	-
Runtime	2h45min	4h20min	4h	18h	7h	5h
LED	Cree LED					
Battery options	Battery pack					
Dimension	129.5mm(Length) x 45mm(Diameter) x 53mm(Head)					
Net weight	430g					
Accessories	home charger, ball joint, OrcaTorch rubber ring, O-rings					



## Torpedo

OrcaTorch "Torpedo" is a compact signal light which is inspired by Torpedo. The runtime is over 200 hours. It is also earth friendly and its battery can be replaced by user. Torpedo is perfect for locating buddies on cave and night dives. Four colors provide different options for different diving teams.



ANSI/NEMA FL1	Mode
Runtime	200h
Battery options	3*LR44
Dimension	59.4mm(Length) x 22mm(Diameter)
Net weight	22g(including batteries)
Accessories	O-ring, lanyard



## Specifications

Model	Max Output	Max Runtime	Modes	Waterproof	Dimension	Net Weight	Battery	Model
<b>Diving Series</b>								
D500+	1000 Lumens	18h30min	4	150m	152X28X45(mm)	216g	1*18650/2*CR123A/2*16340	D500+
D510	900 Lumens	4h	1	150m	209X35X49(mm)	313g	3*C	D510
D520	1000 Lumens	2h	1	150m	134.5X24X30(mm)	113.5g	1*18650/2*CR123A/2*16340	D520
D550	1000 Lumens	5h45min	3	150m	146mX25.4X40(mm)	193g	1*18650	D550
D560	630 Lumens	1h25min	1	150m	92X20X24(mm)	47.5g	1*AA/1*14500	D560
D560-GL	-	5h	1	150m	92mX20X24(mm)	50g	1*AA/1*14500	D560-GL
D560-RL	-	17h30min	1	150m	92mX20X24(mm)	50g	1*AA/1*14500	D560-RL
D570-GL	1000 Lumens	11h36min	2	150m	134X26X40(mm)	176g	1*18650	D570-GL
D570-RL	1000 Lumens	80h	2	150m	134X26X40(mm)	176g	1*18650	D570-RL
D611	2400 Lumens	22h	3	150m	light head: 82X50(mm) canister: 194X40(mm)	580g	2*26650	D611
D620	2700 Lumens	37h	3	150m	light head: 83X50(mm) canister: 113X54(mm)	681g	4*18650	D620
D800	2100 Lumens	3h20min	1	150m	222X34X66(mm)	462g	2*26650	D800
D810	950 Lumens	3h10min	1	150m	146X34X50(mm)	262g	1*26650	D810
D810-R	170 Lumens	4h	1	150m	146X34X50(mm)	262g	1*26650	D810-R
D810-B	55 Lumens	4h	1	150m	146X34X50(mm)	262g	1*26650	D810-B
D810-UV	3 Lumens	10h	1	150m	146X34X50(mm)	262g	1*26650	D810-UV
D820V	1600 Lumens	6h40min	4	150m	153X30X45(mm)	250g	1*rechargeable battery	D820V
D860	4200 Lumens	14h	3	150m	189X51X64(mm)	773g	Battery pack	D860
D900V	2200 Lumens	18h	6	150m	129.5X44X53(mm)	430g	Battery pack	D900V



**14500**



**18650**  
(3000mAh,3400mAh)



**26650**



**AS01  
WS01**



**B86**



**B90**



**Bracket-28  
Bracket-34**



**C2**



**C4**



**M03**



**MX05**



**POM Mount**



**Scuba diving pointer**



**SH01  
SH02  
SH03**



**Tray with handles**



**ZJ13**



**ZJ15**



**ZJ18**