

PRODUCT HIGHLIGHTS

- Professional diving searchlight with 150 meters waterproof, especially for underwater spearfishing
- Designed with humanized lanyard hole. Removing the lanyard to be used as a super power and long range flashlight
- Isolated waterproof and directly rechargeable battery integrates with light body, maximumly reduced the size and weight
- 3 x CREE XP-G and 3 x CREE XM-L2 LEDs providing max output of 3780 lumens and beam distance 300 meters
- Glass Lens are dual sides coated, highest translucency, pressure resistant, deep waterproof
- Aircraft aluminum body, hard anodized in black, light body with compact size
- Big button magnet switch at tail, easy to operate by one hand
- Built-in 4*18650 rechargeable lithium battery set provides ultra-long runtime: 60 hours at 90 lumens
- Intelligent circuit and temperature control system protects battery from over-charge and over-discharge, prevents the light from over-heating and prolongs the lifespan of the light
- Three lighting modes available: flood light only - spot + flood - spot only. Battery level indicating at 20% capacity.

USAGE AND OPERATION

- 1 The light runs on 4 x 18650 Li-Ion battery set.
- 2 Please fully charge up the batteries before first time operation.
- 3 **To charge the batteries:** • Unscrew the tail cap anti-clockwise (as picture ①), connect the 5.5DC end of Ferei AC500 adapter/charger into the DC recharge hole (as picture ②). When in charging state, the LED indicator on the adapter will illuminate red (as picture ③) and when charging is complete the LED indicator will illuminate green (as picture ④). • After fully charged, pull out the 5.5DC end of AC500 charger, and screw the tail cap clockwise to tighten.



- 4 **Lighting modes:** ① Flood lights only ② Flood light + spot (simultaneous) ③ Spot only.
- 5 **Customized brightness setting:** Customized brightness setting from 10%.20%.30%... to 100%, 10 levels brightness available in either ①②③ lighting mode.
- 6 **Brightness memory:** In either ①②③ lighting mode, the customized brightness could be memorized if staying for over 3 seconds.
- 7 **To operate:** • Press the on/off switch rapidly or continuously to active or convert between lighting modes ①②③. With light already on, press and hold on/off switch to cycle through the customized brightness settings from 10% to 100%. When a desired brightness appears, simply release the switch. To turn off the light, press the switch again after staying at this customized brightness for over 3 seconds; If less than 2 seconds, press the switch to get conversion between lighting modes ①②③. Staying at any lighting mode/brightness for over 3 seconds, this lighting mode and brightness will be memorized. Next time you turn on the light, it starts from the memorized lighting mode/brightness.

8 Low battery warning: the light will blinking 10 times quickly to warn you that battery capacity is below 20%, and then work normally until it shuts off automatically. Please recharge or replace batteries.

9 Over discharge prevention: the light will switch off automatically in order to prevent damages to lithium batteries and/or light done by over discharging (complete depletion of battery capacity).

Note: over discharging lithium batteries might cause the battery body to swell up and produce harmful gases. In order to avoid this, our product is equipped with low voltage circuit break to switch off the light when voltage is too low.

INTELLIGENT TEMPERATURE CONTROL INSTRUCTIONS:

The light is designed with the intelligent temperature control system. LED is a component which can make heat and is sensitive to the temperature, it will be damaged or its working life will be shorten by the overheat temperature, especially the powerful and brightness LED. So the intelligent temperature control system works when the flashlight's designation and structure cannot realize the heat radiation temperature from the high brightness LED lighting. The system controls the temperature of the LED lamp wick, obviously, the light gets different Thermal Conductivity with different structure, and generally speaking, the surface temperature of the light constant between 50°C to 60°C, when the flashlight runs heat, the intelligent temperature control function will help to reduce the power to cool down the lamp wick, the brightness of the light will corresponding fell and get lower. And in comparison outdoor using with the indoor using, outdoor area using will get wind to cool it down and heat-radiation is better, the LED will crank up the power and the lights become brighter, and the process of ascension brightness will smooth and slow without flashes. At the same time, the intelligent temperature control system will lead the run time get longer (may be the standard of twice to five times). Particularly, the run time

will depend on the temperature, running speed even the wind strength, so the actually run time will be a little different according to the environment of the light using.

MAINTENANCE

- Use a soft cloth to clean the glass lens regularly to ensure the best light transmittance. (Do not use any corrosive detergent)
- Please rinse the light with fresh water and dry it after each diving in sea/salt water.

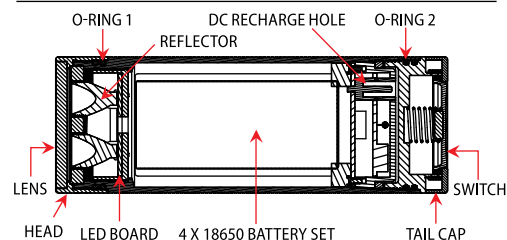
CAUTION

To avoid unnecessary incidents, please take notice of the following precaution points: • Do not use any damaged battery or the battery that has a sign of leakage • Do not use the battery that has a sign of breakage on the metal surface • Please use certified 18650 lithium batteries • Please do not disassemble any parts of the light nor attempt to "fix" a malfunctioned light.

WARNINGS

- This is a not a toy, do not give it to children
- Please do not shine directly into someone's eyes with the beam
- Do not place the light upside down when it is turned on
- Slight warming is normal when the light is in use
- You must not disassemble the light, especially the sealed parts
- Please wipe the light dry immediately after it is placed in water or put into contact with corrosive matters
- When the light is not used for long period, please fully charge the battery every 3 months and then slightly discharge for 20 minutes before storage
- FEREI has final rights to explain the instructions of the user manual.

PRODUCT SCHEMATIC



PRODUCT SPECIFICATIONS - W155

LED	3 X CREE XP-G LED COOL WHITE (FLOOD)	ANSI/FSC		CUSTOMIZED SETTING								
		MAX	100%	10%	20%	30%	40%	50%	60%	70%	80%	90%
		PERCENTAGE BRIGHTNESS	100%	90	180	270	360	450	540	630	720	810
		OUTPUT (LUMEN)	900	90	180	270	360	450	540	630	720	810
		BATTERY LIFE - HOURS (28 °C INDOOR STATIC TESTING)	4.6	46	23	15.3	11.5	9.2	7.66	6.57	5.75	5.1
LED	3 X CREE XP-G LED 3 X CREE XM-L2 LED COOL WHITE (FLOOD + SPOT SIMULTANEOUS)	ANSI/FSC		CUSTOMIZED SETTING								
		MAX	100%	10%	20%	30%	40%	50%	60%	70%	80%	90%
		PERCENTAGE BRIGHTNESS	100%	378	756	1134	1512	1890	2068	2646	3024	3402
		OUTPUT (LUMEN)	3780	378	756	1134	1512	1890	2068	2646	3024	3402
		BATTERY LIFE - HOURS (28 °C INDOOR STATIC TESTING)	3	30	15	10	7.5	6	5	4.3	3.75	3.3
LED	3 X CREE XM-L2 LED COOL WHITE (SPOT)	ANSI/FSC		CUSTOMIZED SETTING								
		MAX	100%	10%	20%	30%	40%	50%	60%	70%	80%	90%
		PERCENTAGE BRIGHTNESS	100%	288	576	864	1152	1440	1680	1960	2240	2520
		OUTPUT (LUMEN)	2880	288	576	864	1152	1440	1680	1960	2240	2520
		BATTERY LIFE - HOURS (28 °C INDOOR STATIC TESTING)	4	40	20	13.3	10	8	6.7	5.7	5	4.4
RANGE	MAXIMUM INTENSITY	WATERPROOF RATING	DROP PROOF	DIMENSION	TYPE OF BATTERY		WEIGHT					
300 METERS (SPOT)	90000 CD	IPX8	1 METER	49.5 X 142.5 MM	4 X 18650 BATTERY		442.4 G (INCLUDING BATTERIES)					
UNDERWATER RUNTIME (AT MAX. OUTPUT)				1.55 HOURS								
NOTE: THE ABOVE PARAMETERS ARE TESTED BY USING 4PCS 3400MAH 18650 LI-ION BATTERIES												

Shenzhen FEREI Lighting Co., Ltd 3rd Industrial Zone, Xiakeng Village, Tongle, Longgang District, Shenzhen 518116, China
TEL: 0086 755 8480 7942 / 0086 755 8480 7943 • FAX: 0086 755 8480 7944 • E-mail: ferei@ferei.com • www.ferei.com

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