

INTRODUCTION

Ferei W152II series are compact, ultra-bright LED diving torches constructed from aircraft grade aluminium and double O-ring sealed for underwater performance of up to 150 meters. Featuring a unique 360° rotated magnetic switch. Advanced electronics with low battery warning and long runtimes. The W152II series are robust underwater tools designed for many years of reliable service. Despite its diminutive size, the W152II series are rated at 1000 lumens of output far beyond other diving lights in its class and comes with a durable lanyard as standard.

FEATURES

- 1 High-power CREE XM-L2 LED with a life span of up to 100,000 hours.
- 2 Toughened ultra-clear optical glass resists high underwater pressures.
- 3 Purpose-designed aluminium reflector produces an even mix of flood and throw.
- 4 Aircraft-grade aluminium anti-roll body.
- 5 Type III military grade hard-anodizing resists scratches and corrosion.
- 6 High quality watertight O-ring sealed construction.
- 7 Convenient 360° rotating magnetic switch-ideal for underwater use.
- 8 Runs on 2x18650 li-ion battery.
- 9 Advanced regulation circuitry ensures constant brightness until battery exhaustion.
- 10 Advanced low battery warning system ensures users are aware when battery voltage become low. (The W152II series will blink for 20-30 minutes before automatically turning off).

USAGE INSTRUCTIONS:

This W152II series diving light operates on 2 pcs protected 3.7V rechargeable 18650 li-ion battery.

Battery installation: Unscrew the W152II tail cap and insert 2 x18650 into the battery tube with the positive (+) end facing forward.

Note: A partially or improperly tightened tail cap can result in a poor seal that may affect water tightness and ultimately cause damage to the light.

W152II series have 4 modes: Max-Mid-Low-Flashing
To turn the light on, simply rotate the magnet switch 1/4 of a turn, clockwise or anticlockwise, then light is on. Repeat the above step (within 2s), the mode

changes, in sequence they are Mid-Min-Flashing-Off.
Note: Once stay at one mode for more than 2s, the mode is remembered. And rotate the switch again, the light shut down directly. When you turn the light on next time, it is the same mode as what it was when you shut it down.

Low battery warning system: The W152II series are fitted with advanced low battery cut-off function that both prevents battery damage and warns users of remaining runtime. When battery capacity reaches about 20% the W152II series will blink periodically, say, once per minute. The blinking will continue for about for 20-30 minutes before the light automatically turns off.

WARM TIPS

In order to avoid accidents, please pay attention to the following tips:

- 1 Never use damaged, discoloured or leaking batteries.
- 2 Never use batteries with a damaged sleeve or foil covering.
- 3 Always use 18650 batteries with safety certificates.
- 4 If the light gets unusually hot when in use, turn it off and check battery appearance.
- 5 Never store the battery into the battery holder.
- 6 Recharging is finished when the LED indicator turns to green.
- 7 The battery remains at a normal temperature during recharging. If it gets unusual hot, stop recharging and take the battery out.
- 8 Do not disassemble the charger kit by yourself if the battery couldn't be recharged.
- 9 The battery can be used at any time once being recharged. If it is left unused for long periods, it should be recharged for 4 hours every three months. After being charged they should be slightly discharged for 10-20 minutes before storage.
- 10 Make sure the battery is recharged at safety environment and is looked after by certain people while recharging.

MAINTENANCE

- 1 Using a soft cloth clean the glass lens and tail cap thread periodically.
- 2 Every 6 months lubricate the tail cap thread with a light application of silicon grease.

- 3 After every 3rd use in water, apply a light application of silicon oil to the magnetic switch, turning it on and off several times to work the oil into switch's friction points.
- 4 Be sure to rinse the light thoroughly with fresh water after every use in saltwater.



Note: Never disassemble the head or touch the inside of the reflector. Do not use general purpose oil for lubricating the switch as it may damage the silicone O-ring.

PRECAUTIONS AND WARNINGS

- It is a lighting tool, not a toy. Keep it away from children.
- The W152II series have a highly intense beam and should not be aimed directly at the eyes of humans or animals.
- Do not place the light face/lens down when turned on as this may cause it to overheat and void warranty.
- The surface of the flashlight may become hot during extended use.
- Do not dismantle or disassemble any part of the light as this will void warranty and affect the waterproof seal.
- Rinse the lights surface with fresh water and dry with soft cloth after exposure to salt water or any corrosive substance.
- Always remove batteries during long periods of inactivity.
- Please recharge the batteries to 100 % before the first time use. Always make sure to recharge the 2pcs batteries at the same time so to keep them at the same voltage. Otherwise, batteries might be damaged.

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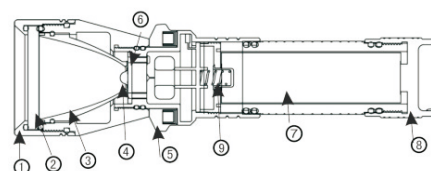
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SPECIFICATIONS

MODEL NAME	W152II			
LED	CREE XM-L2			
ANSI/FSC	MAX	MED	LOW	FLASHING
BRIGHTNESS PERCENTAGE	100%	50%	20%	100%
OUTPUT	1000 LM	500 LM	200 ML	1000 LM
RUNTIME (HOUR) (indoor static testing at 28°C on table)	5	8.15	14.40	>5
BEAM DISTANCE	296 (MAX)			
LIGHT INTENSITY	21904 CD (WIDE ANGLE)			
WATERPROOF GRADE	IPX8 (150 M)			
DROP HEIGHT	1 M			
DIMENSION	40 MM (HEAD) X 223 X 27 MM			
BATTERY TYPE	2 X 18650			
NET WEIGHT	229.5 G			
UNDERWATER RUNTIME (AT MAX. OUTPUT)	4.20 HOURS			

Runtime declaration : The data-based duration test in land at room and not in the water.
If the light use under water or cool condition , the runtime about 1 to 5 times less than instruction.

PRODUCT SCHEMATIC



1. HEAD COVER
2. GLASS LENS
3. ALUMINIUM REFLECTOR

4. LED
5. MAGNET SWITCH
6. DRIVER BOARD

7. BATTERY TUBE
8. TAIL CAP
9. SPRING

Patented product, counterfeiting not allowed.