ACEBEAM®
Light Where You Want It

Floodlight Button   Patented Safety Lock

Spotlight Button Battery Voltage Indication Main Button

W50 WHITE LEP ZOOM FLASHLIGHT

Spotlight Mode

Luminance 2,900Lux Luminance 397Lux Luminance 15.8Lux Luminance 3.9Lux
Diameter 1.1Meters Diameter 2.86Meters Diameter 14.9Meters diamete 29.7Meters

$2\phi = 1.7°$

0m 37m 100m 500m   1000m

Light intensity=4,000,000cd Range=**4,000**Meters(2.48miles)

Floodlight Mode

Luminance 160Lux Luminance 1.6Lux
Diameter 4.4Meters Diameter 43.9Meters

$2\phi = 24.8°$

0m 10m 100m

Light intensity=16,300cd Range=255Meters(0.15miles)

Product Introduction

ACEBEAM shocks the world with the First White LEP Zoom Illumination Tool worldwide ! Disruption in the age of LED illumination!

ACEBEAM stands as the industry leader of innovations, creating an extraordinary future! ACEBEAM White Laser starts by focusing blue laser beams on a layer of fluorescene, initially emitting yellow fluorescence; this, combined with the remaining blue laser, creates the target white laser beam. The ACEBEAM W50, leverages this technology as its core to create the white laser illumination. Since yellow fluorescence is a wide spectrum light, the white laser created from it is also a wide spectrum light. This is the technology at the core of not just ACEBEAM, but the core of all laser illumination technology, Lifespan of flashlight in excess of 10,000 hours.

The research team behind this remarkable light technology hails from the world famous university. This breakthrough work fully resolved the Fluorescence Thermal Quenching issues, enabling the Fluorescence to fully withstand the high frequency laser activation and continuously emit bright light. Currently there are over 120 total technology patents, over 70 innovaation patents, 11 international PCT, and 10 licenses patents.

ACEBEAM W50 is a White LEP Zoom Flashlight built-in a rechargeable W50-BP battery pack (Made of High performance 8x18650 3100mAh batteries) and USB-C charger makes charging convenient and up to 3 times faster than normal USB charging. Sporting a Candela beam and a distance of up to 4,000 meters There are 3 modes output High-Mid-Low to be selected. ACEBEAM W50 is an industrial grade product and special design for search& rescue, fire, border, prisons, electricity, airports, docks, factories and mines,and a variety of field lighting.

ACEBEAM W50 is a Class 3B LEP Flashlight, Online retail is not supported, Should be signed Safety Agreement by enterprises which want to purchase.

Features
- Made of durable aerospace-grade aluminum alloy
- Premium type Ⅲ hard-anodized anti-abrasive finish
- Stainless steel switches, up to 50,000 presses
- Used the hardened glass lens with double coating and toughened ultra-clear glass lens with anti-reflective coating
- Built-in a rechargeable W50-BP battery pack (made of high performance 8x18650 3100mAh batteries)
- Equipped with a built-in USB-C charger makes charging convenient and up to 3 times faster than normal USB charging
- Highly efficient constant current circuit design (Non-PWM)
- All circuitry contact points are gold-plated, providing better conductivity and superior durability
- The power indicator indicates the remaining battery power
- Over charging and discharging protection
- The standard tripod socket compatibility
- External, patented and removable cooling fan, speedily heat dissipation
- Patented safety lock design to prevent accidental activation
- Intelligent memory circuit design
- Customized LEP module: 400~700nm, with lifetime up to 10,000 hours
- Waterproof: IPX68, Impact resistance to 1 meter

Specifications
Size: 206mm(length)x 80mm(head diameter)x 63.8mm(tube diameter)
Weight: 2000g w/ battery

Accessories
1 x AC Charger, 1 x Charging Cable, 1x Shoulder strap, 1 x UNC1/4" bolt, 2 x Spare O-rings, 1 x User Manual, 1 x Battery Card 1 x Warranty Card
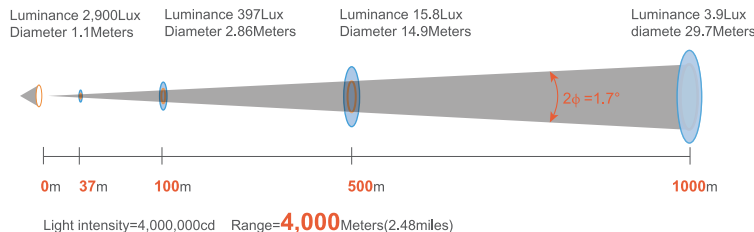
Technical Parameter

W50-BP Lithium Battery Ppack	High	Mid	Low
Output (Lumens)	1400	550	150
Runtime (Hours)	4	7	15
Illumination Distance(Meters)	4000	2742	1523
Luminous Intensity (Candela)	4,000,000	1,880,000	580,000

Notice: The above mentioned parameters (tested with 1 x ACEBEAM W50-BP rechargeable lithium-ion battery pack) are approximate and may vary from flashlights, and environments.
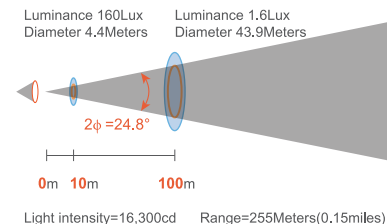
Operation Instruction
The patented lock design to prevent accidental activation, Remember to unlock the light before switch ON. Then it is useful to press the buttons.
Main Button: Single Press ON/OFF, Long Press to cycle the modes of High→Mid→Low
Spotlight/Floodlight Button: Long press Spotlight or Floodlight Button to zoom brightness&distance

Battery Voltage Indication
Green light means battery pack Voltage>12.4V;
Red light means battery pack Voltage 11.6V~12.4V;
Red-Flash means battery pack Voltage <11.6V;
Flashlight turn OFF means battery pack Voltage<11V;
(Please charge or change battery pack).

Charging Indicator
W50 is built-in USB-C rechargeable system which can be charged by the equipped AC charger.
The built-in battery pack indicator Red light means in charging;
The Indicator light OFF means fully charged;
Only 4 hours can be fastly and fully charged by 2A charging current.

Patented Cooling Fan Operation
Single click: Turn ON
Long press: Turn OFF
When the Fan is ON, every single click to cycle between 1st gear and 2nd gear.

Patented Cooling Fan Battery Voltage Indication
Green light means the battery is full power;
Red light means the battery voltage is low.

Usage and Maintenance
1. Do not disassemble the sealed head as doing to may cause damage to the flashlight and will void the warranty.
2. Lubricate the threads with professional grade lubricant regularly.
3. Please swap out the O-rings regularly to maintain the water resistance level.
4. Maintain and keep clean any contact surfaces of the flashlight with alcohol swab. This may prevent irregular flashes during use.
5. When the W50 is stored in the package box or unused for extended period, it is suggested to loosen the tube to cut off the power entirely. Keep lithium-ion battery pack charged approximately every 4 months.
6. This flashlight may not be used as a diving light.

Product Warranty
1. If the customer experiences any problems with an Acebeam product within 15 days of purchase, the dealer will replace that product.
2. If an Acebeam flashlight fails during normal use within a period of one year (12 months) of purchase, the dealer will repair or replace the flashlight with the same or similar model.
3. ACEBEAM Battteries, accessories and lanterns with built-in batteries are warranted for a period of one year (12 months) from date of purchase.
4. The warranty does not cover damage or failure caused by:
   A. Rough usage or operation which does not comply with the user manual or product specifications.
   B. Unauthorized disassembly, repair or modification. Defects or damaged caused by factors out of Acebeam's control.
   C. Battery leakage damaged products.
5. If there are any questions about ACEBEAM products, please consider the warranty and contact Acebeam or your original Acebeam dealer for warranty return instructions.
Email: info@acebeam.com

Warning ⚠️
1. W50 is a high intensity lighting device. Please note:
   DO NOT aim this light directly at eyes or exposed skin to prevent injuries. causing eye damage.
   DO NOT aim at another person.
   DO NOT aim at mirrors, glasses or other reflective surfaces.
   DO NOT aim at aircraft or vehicles in operation.
   Keep this flashlight out of the reach of Children.
2. By using this device, you certify you have read the included User Manual and Warning Card,operate in accordance with local laws and regulations and related precautions,and release the manufacturer and sellers from all liabilities.
3. There is a patented safety lock next to the Main button to prevent unauthorized use or accidental touch, and it can be completely powered off. Please remember to lock the Safety Lock once finished using the light.
4. Applications must be treated with caution and handled with care.

⚠️ WARNING
CLASS **3B** LASER PRODUCT
AVOID EXPOSURE TO BEAM
NEVER AIM A LASER AT AIRCRAFT

For safe use info, scan QR Code or visit LaserSafety.info/3B

www.acebeam.com

RoHS CE