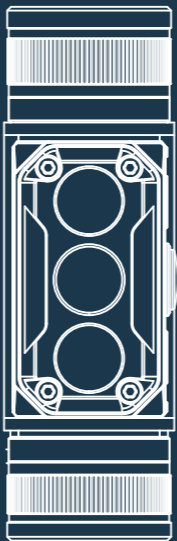


# H50 2.0 Headlamp



# Features

- The H50 2.0 headlamp is designed to be compact and lightweight, making it easy to carry.
- Equipped with floodlight, spotlight, or dual beam options, providing a maximum output of 2000 lumens.
- Utilizes 3 x Luminus SST-20 LEDs in Neutral White (5000K).
- Features a customized TIR optic lens that reflects uniform and soft light for enhanced visibility.
- The headlamp has a 170° wide floodlight, ideal for outdoor activities.
- 141-meter long-range spotlight is specially designed for industrial maintenance, caving rescue, climbing, and mountaineering.
- Includes one high-capacity 18650 Li-ion battery and is also compatible with 2 x CR123 batteries.
- Built-in concealed USB-C charging port is protected against outdoor environments. It enables fast charging in approximately 2 hours and 30 minutes. Note: Do not attempt to use the H50 2.0 to charge CR123 batteries.
- One-button interface controls 5 brightness levels, 3 light sources, and 1 SOS special mode.
- A highly efficient constant current circuit provides stable output for up to 30 days.
- A power indicator beneath the switch displays remaining battery power.
- Ergonomically designed bracket and chafe-free, breathable, non-slip nylon headband with reflective strips for added safety.
- Constructed from aero-grade aluminum alloy with HA III military-grade hard-anodized finish.
- IP68 waterproof rating (submersible up to 2 meters) and impact resistance up to 1 meter.

# Specifications

Size: 85mm/3.35in(Length)x 33.5mm/1.32in(Head dia.)x 28mm/1.1in(Body dia.)

Weight: 94g (3.32oz) without battery, 142.3g(5.02oz) with battery

# Included

1x ACEBEAM ARC18650-310A battery, 1x USB-C charging cable, 2x O-rings, 1x Headband with silicone holder, 1x User manual

# Operating Instructions

**Single click:** OFF

**Double Click:** ON and Cycle the lighting mode from All-ON, Two-Side-ON, Middle-ON

**Long press:**





When flashlight is OFF, long press 0.5 seconds goes to Ultra-low, continue pressing to 3 seconds, the flashlight will be locked after 3 times flash.

When flashlight is ON, long press cycle from Low-Mid-High-Turbo

When flashlight is locked, long press 3 seconds for unlock after 3 times flash.

**SOS:** Quickly single click+long press.

# Technical Parameter

	ALL-ON(Dual Beam )						TWO-SIDE-C		
FL1 STANDARD	Turbo	High	Mid	Low	Ultra-Low	SOS	Turbo	High	Mid
	2000~350 lumens	1000~350 lumens	450~350 lumens	60 lumens	10 lumens	1000 lumens	1350~300 lumens	700~300 lumens	300 lumens
	40s+ 4h	2min30s +4h	11min+ 3h50min	30h	16days	3h	1min40s+ 4h20min	4min+ 4h20min	4h 18min
	141m	100m	67m	28m	15m	100m	99m	71m	47m
	4968 cd	2476 cd	1116 cd	192 cd	56 cd	2476 cd	2428 cd	1268 cd	560 cd

## Memory Function

The memory function is a feature where the light remembers the last used mode. (Special SOS and Ultra-low mode are not memorized.)

## Power Indication

The power indicator beneath the switch provides convenient battery status information:

Green: Indicates sufficient power.

Red: Indicates low power.

Automatic Shutdown: When the battery voltage drops below 2.7V, the headlamp will automatically turn off.

## Battery Charging

The H50 2.0 features an intelligent charging system.

Follow these steps for charging:

Insert the battery and tighten the battery cap securely.

Unscrew the charging port cap until the charging port is fully exposed.

Connect the USB cable to the charging port.

Connect the other end of the USB cable to an external power supply (such as a USB adapter or other USB charging devices).

During the charging process, the power indicator will display a constant red light.

Once the battery is fully charged, the power indicator will switch to a constant green light.

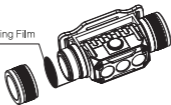
The approximate charging time for a rechargeable 18650 Li-ion battery is 2 hours and 30 minutes.



## Insulating Film

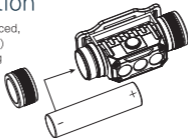
**IMPORTANT:** Please remove the insulation film before first use.

Insulating Film



## Battery Installation

If the battery needs to be replaced, ensure that the positive pole (+) end of the new battery is facing inward.



ON(Floodlight)			MIDDLE-ON(Spotlight)						
	Low	Ultra-Low	SOS	Turbo	High	Mid	Low	Ultra-Low	SOS
lumens	40 lumens	6 lumens	700 lumens	650-220 lumens	350 lumens	150 lumens	20 lumens	3 lumens	350 lumens
runtime	35h	21days	5h	5min40s+ 5h50s	5h	9h	40h	30days	9h 30min
beam distance	18m	13m	71m	103m	74m	48m	20m	13m	74m
beam diameter	84 cd	40 cd	1268 cd	2636 cd	1384 cd	588 cd	104 cd	44 cd	1384 cd



## Warning

1. By using this device, you certify that you have read the included User Manual and Warnings, and release the manufacturer and retailers from all liabilities.
2. Keep the device out of reach of children.
3. Do not shine the light directly into human eyes. This may cause temporary blindness or permanent damage to the eyes.
4. If the product is left unused or carried during transportation, please lock the button to avoid accidentally activating the headlamp.
5. The battery can be stored inside the product and charged with the included standard charging cable.
6. Quality batteries with circuit protection will reduce any potential risks.

## Maintenance

Every 6 months, wipe the threads with a clean cloth, followed by applying a thin coating of silicon-based lubricant.

Replace the battery when the output appears dim or the headlamp becomes unresponsive due to low power.



Sort as  
cardboard and  
plastic

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