

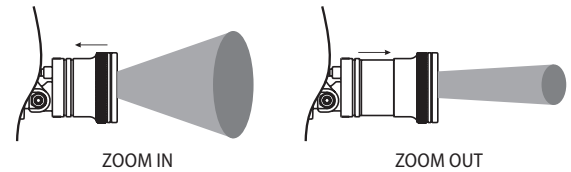
FEATURES

- 1 Focusing LED headlamp.
- 2 Zoom-able head for spot and flood beam.
- 3 Cool or neutral white LED version available.
- 4 IPX4 Water resistant.
- 5 1000 lumens for 16 hours.
- 6 8 Selectable brightness levels from 10% to 80%.
- 7 4 selectable blinking modes: police blinking, slow blinking, quick blinking, and SOS.
- 8 Smart IC motherboard provides multiple brightness settings, and prevents overheat, over discharge or damages caused by polar reversing.
- 9 Battery level indicating at 20% capacity.
- 10 Elastic bungee headband capable of length adjustment, providing best fit and comfort for user.
- 11 Optional Diffuser and USB cable charger available.
- 12 Optional BP2836B, BP4836B and BP6836B for longest runtime each 8.6 hours, 17.2 hours and 25.8 hours on High.

GENERAL USAGE

- 1 Briefly press the rubber switch to turn the HL40AAll on/off.
- 2 The HL40AAll provides three lighting options:
 - **Maximum brightness:** 100% output.
 - **Custom brightness:** eight selectable modes ranging from 10% to 80% output.
 - **Strobe / SOS:** police strobe, slow strobe, rapid strobe and SOS.
- 3 Operating Instruction
 - To turn the HL40AAll on, briefly press the rubber switch. The default setting is maximum brightness (100% output).
 - **To access custom brightness mode:** with the HL40AAll turned on (in either max or custom mode), hold the switch down for more than 2 seconds and the HL40AAll will cycle through 8 levels of output. When a desired output is displayed simply release the button to set the brightness.
 - The HL40AAll has 3 hidden strobe modes and 1 SOS mode. To access these modes simply hold down the power button for 2 seconds with the unit turned off and release. To cycle to the next strobe / SOS mode once again hold for 2 seconds and release. To exit strobe / SOS mode simply press the switch once (turns the HL40AAll off). The brightness level of strobe / SOS mode is determined by the brightness set in custom mode.
- 4 **50% battery warning:** When battery capacity reaches 50%, the HL40AAll will blink twice quickly to indicate battery status.
- 5 **Low battery warning:** When the battery capacity gets very low (approx. 20%), the HL40AAll will emit 10 successive blinks in 8 seconds. This is a reminder that the battery should be recharged or replaced.
- 6 **Reverse polarity protection:** When a battery is inserted incorrectly, a special protection circuit will activate and automatically prevent operation to ensure the safety of the HL40AAll and its user.
- 7 The HL40AAll is also designed with intelligent over-discharge detection. If battery voltage reaches a critical lower limit, the HL40AAll will automatically turn off, at which time the battery should be recharged as soon as possible. Over-discharge of 18650 cells can cause irreversible damage to the battery and in extreme cases, cause the battery to inflate and / or emit a harmful gas. It is for this reason that the HL40AAll is designed to operate only with 18650 batteries that are above the lowest acceptable voltage limit.

STRETCH THE ROTATION HEAD PART TO ADJUST THE BEAM SIZE AND FOCUS SPOT



DIAGRAM

* PHOTOS ARE FOR REFERENCE ONLY, PRODUCTS IN KIND PREVAIL!



AA BATTERY BOX INSTRUCTIONS



UNSCREW THE NUT



BOTH NUTS ARE UNSCREW



REMOVE THE SCREW CASE FROM BATTERY BOX



INSET 3PCS 1.5V AA BATTERY WITH THE CORRECT POLAR IN AA BATTERY BOX



PUT THE SCREW CASE IN THE RIGHT DIRECTION



SCREW UP BOTH NUTS ON AA BOX

INSTALL AND REMOVE THE BATTERY BOX



THE DIRECTION OF DC JACK FOR AA BATTERY BOX SHOULD BE TO SWITCH BOX OF HEADLAMP



PUT THE AA BOX THRU THE RUBBER BELT



TWO RUBBER BELTS TO TIGHTEN ON AA BOX



CONNECT THE 5.5DC PLUG OF HEADLAMP AND THE 5.5 DC JACK OF AA BOX, AND THEN SCREW UP THE HOLDER

INTELLIGENT TEMPERATURE CONTROL INSTRUCTIONS

This product is designed with a temperature control circuit.

The LED is a heating device that is sensitive to temperatures, especially high levels of power and brightness. High temperatures will easily damage or shorten the life of the LED. Ferei designs its products with an intelligent temperature-control circuit. It measures the temperature within the LED filament. As the structure of the lamp differs, the thermal conductivity of the entire lamp is not the same. In general, the constant surface temperature of the lamp is 50°C to 60°C. When it exceeds its programmed temperature, it will automatically reduce its power to cool down, and the brightness decreases by small steps. After cooling-down (provided that battery voltage is sufficient) the power with brightness increases again. The process of improving its brightness is relatively discrete and will not produce a flashing effect.

This stepping goes cyclically to maintain the user's safety and the light's functionality. In conditions of good air-cooling the lamp delivers light without stepping down even in high levels brightness mode. There are no preset timers for stepping, but real-time active temperature measurements, So the actual runtime of the lamp base on active temperature control to faster or slower battery discharge, may be slightly longer or shorter runtime than the lamp of data provided.

WARM TIPS

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

- Never use damaged, discolored or leaking batteries.
- Never use batteries with a damaged sleeve or foil covering.
- Always use 18650 batteries with safety certificates.
- If the light gets unusually hot when in use, turn it off and check battery appearance.
- Never store the battery into the battery holder.
- Recharging is finished when the LED indicator turns to green.
- The battery remains at a normal temperature during recharging. If it gets unusual hot, stop recharging and take the battery out.
- Do not disassemble the charger kit by yourself if the battery couldn't be recharged.
- 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.
- Be sure to always recharge the battery in a safe place and do not leave unattended while charging.

MAINTENANCE

- 1 Wipe the glass lens with a soft cloth at regular intervals to ensure maximum light transmittance (avoid using corrosive detergents).
- 2 Ensure the cable plug and inside of the battery box remain free of dirt and debris.
- 3 Unplug the cable from the battery box when unused for extended periods.

WARNING

- It is a lighting tool, not a toy. Keep it away from children.
- Should not be aimed directly at the eyes of humans or animals
- Do not place the light face / lens down when turned on.
- The surface of the flashlight may become hot during extended use.
- Do not dismantle or disassemble any structural parts of the light, especially the seal parts.
- Dry the light surface with soft cloth immediately after exposure to water or any corrosive substance.
- Always remove batteries during long periods of inactivity (more than 30 days).
- Ferei reserves the right of interpretation of this manual.

HL40AA II - PRODUCT SPECIFICATIONS													
LED	CREE XM-L2 (COOL WHITE)												
ANSI/FSC	MAX	CUSTOMIZED SETTING								POLICE STROBE	SLOW STROBE	FAST STROBE	SOS
LIGHT PER	100%	10%	20%	30%	40%	50%	60%	70%	80%	USER-DEFINED			
OUTPUT (LM)	1000	100	200	300	400	500	600	700	800	USER-DEFINED			
RUNTIME (H)	16	160	80	57	40	32	27	23	20	>16			
RANGE (M)	OVER 200 METERS												
MAXIMUM INTENSITY	23256 CD												
LED	CREE XM-L2 (NEUTRAL WHITE)												
ANSI/FSC	MAX	CUSTOMIZED SETTING								POLICE STROBE	SLOW STROBE	FAST STROBE	SOS
LIGHT PER	100%	10%	20%	30%	40%	50%	60%	70%	80%	USER-DEFINED			
OUTPUT (LM)	930	93	186	279	372	465	558	651	744	USER-DEFINED			
RUNTIME (H)	16	160	80	53	40	32	27	23	20	>16			
RANGE (M)	OVER 150 METERS												
MAXIMUM INTENSITY	5625 CD												
WATERPROOF RATING	IPX4												
ANTI-DROP	1M												
DIMENSION	30 MM (HEAD DIAMETER)												
BATTERY	3 X AA BATTERIES												
WEIGHT	168 G (EXCLUDING BATTERY)												
NOTE: THE ABOVE PARAMETERS WERE TESTED BY USING THE AA LR6 HIGH POWER CAPACITY BATTERY													

Patented product, counterfeiting not allowed.

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