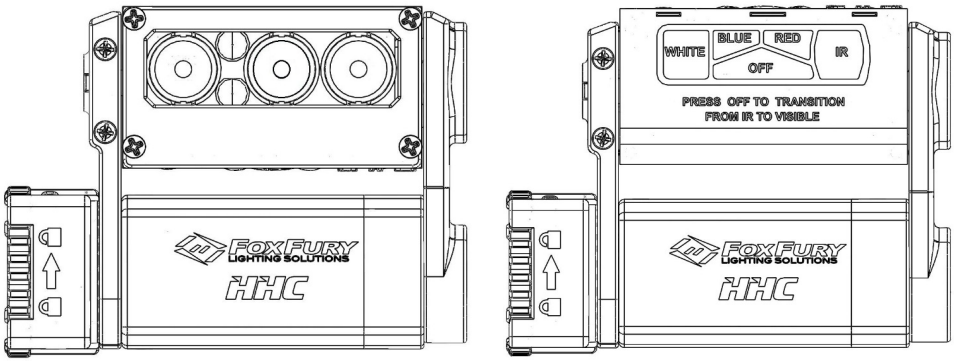
FOXFURY
LIGHTING SOLUTIONS



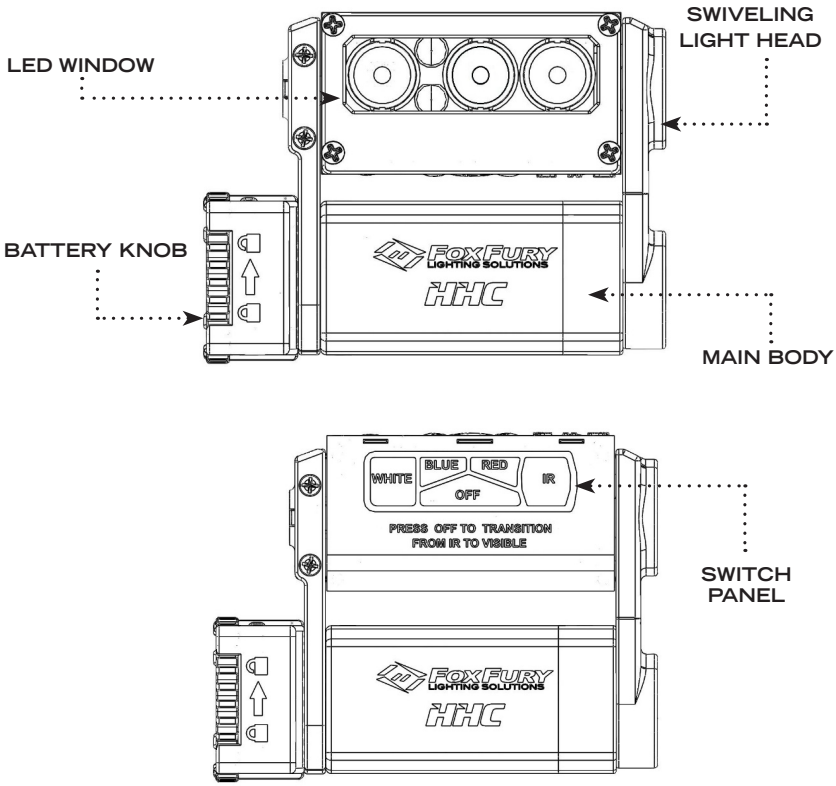
HHC

HELMET, HEAD & CHEST LIGHT

199-200 | 199-201

PRODUCT MANUAL

HHC REFERENCE GUIDE



LED WINDOW

- Blue = left most window
- White = second from left window
- IR = (2) LEDs on top of each other, barely visible, between white and red
- Red = right most window

OVERVIEW

The multi-purpose HHC is a compact and powerful LED light, which has the ability to be worn on the helmet, head, or chest. It can be worn with a c-clamp mount, molle mount, headlamp mount, or elastic strap. The HHC has 1 white, 1 blue, 1 red, and 2 IR LED lights with 4 intensity modes. Each color has its own switch, and each color retains the mode in memory. (1) single AA battery or (1) CR123 battery will power the waterproof unit.

KEY FEATURES

- Main unit can rotate 360° against clamp
- Light head holder can rotate 120°
- Light head can rotate 90°
- 4 intensity modes
- 2 blinking modes
- Identification Friend or Foe (IFF)

PHYSICAL CHARACTERISTICS

	HHC
DIMENSIONS	2.8 x 3.1 x 7.5 in (71 x 79 x 190 mm)
WEIGHT	4.4 oz (125 g)

BEAM

- Peak beam intensity 866 cd with white LED and CR123 battery
- Max beam distance: 196 ft (60 m)
- Light Head
  - (1) white LED
  - (1) blue 460nm LED
  - (1) red 625nm LED
  - (2) infrared 940nm LEDs
- Light intensity range
  - Maximum: 82 lumens
  - Minimum: 10 lumens

BATTERIES

The HHC accepts either (1) AA or (1) CR123A battery. Approximate battery life is as follows:

MODE	WHITE	RED & BLUE	IR
1	4 hours	4 hours	6 hours
2	6 hours	6 hours	9 hours
3	9 hours	9 hours	15 hours
4	14 hours	14 hours	24 hours
5	16 hours	16 hours	18 hours
6	16 hours	16 hours	18 hours

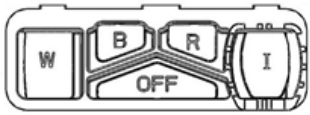
BATTERY INSTALLATION AND REPLACEMENT

1. Rotate the knob counter clockwise until it stops, and pull it away from the housing. Then rotate the lid up to remove/insert the battery.
2. Install (1) battery, noting correct polarity indicated inside the cap.
3. Close the cap and rotate knob clockwise until securely closed. You will notice the locking pin against the edge.3

OPERATIONAL MODES

The markings over the switches indicate the following:

- W = White Light
- B = Blue Light
- R = Red Light
- I = Infrared Light
- Off = Off



Starting with the unit in OFF position, any switch can be activated.

- If either W, B, or R lights are turned ON, another color (including IR) can be selected by simply pressing the switch.
- To go from IR to W, B, or R, the OFF switch must be pressed first.

NOTE: These modes are meant to protect the user from being seen accidentally.

Each light has the following operational mode sequence:

- Mode 1 = 100%
- Mode 2 = 80%
- Mode 3 = 50%
- Mode 4 = 20%
- Mode 5* = 3.0 Hz
- Mode 6* = 7.0 Hz

*Mode 5 and 6: blinking at 20% duty cycle

PERFORMANCE & LIGHT OUTPUT

WHITE LIGHT		
	LUMENS	
MODE	AA	CR123
1	38 lumens	82 lumens
2	28 lumens	72 lumens
3	20 lumens	48 lumens
4	10 lumens	20 lumens
5	38 lumens	82 lumens
6	38 lumens	82 lumens

RED & BLUE LIGHT		
	LUMENS	
MODE	AA	CR123
1	38 lumens	
2	28 lumens	
3	20 lumens	
4	10 lumens	
5	38 lumens	
6	38 lumens	

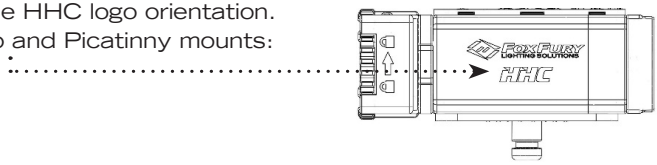
INFRARED LIGHT	
	LUMENS
MODE	MW FOR AA AND CR123
1	110 mW
2	90 mW
3	60 mW
4	25 mW
5	110 mW
6	110 mW

- Near vision - 40° full angle - will allow viewing of the immediate area
- Far vision - 10° full angle - will allow the user to see distances of 200 ft+ (65 m+) or be seen from distances of up to 2 miles (3.2 km)

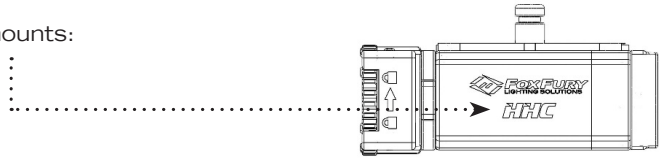
MOUNTS

360° rotating coupling adaptor:

- First, ensure the coupling adaptor is on the correct side for use with mounts. Note the HHC logo orientation.
- For the C-Clamp and Picatinny mounts:

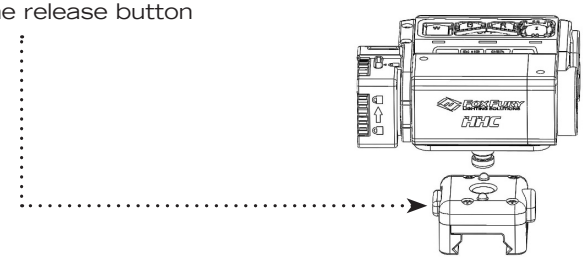


- For headlamp mounts:

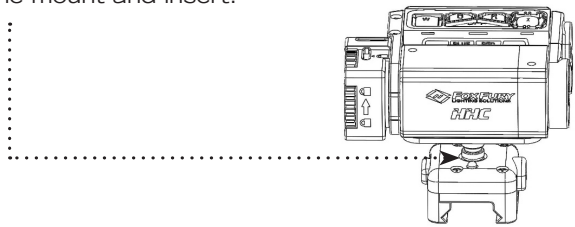


Installing all mounts that use the 360° rotating coupling adaptor:

1. Depress the release button

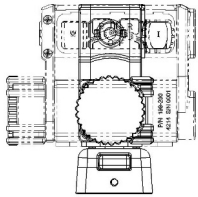


2. While holding the release button, align the coupling adaptor with the opening in the mount and insert.



3. When the locking pin clears the notch on the coupler, press firmly from the bottom of the mount until a clock is heard. Then release the button. When the release button is fully extended, the mount is secure.

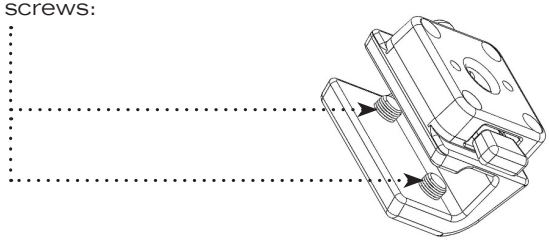
360° rotation on coupling adaptor



MOUNTS

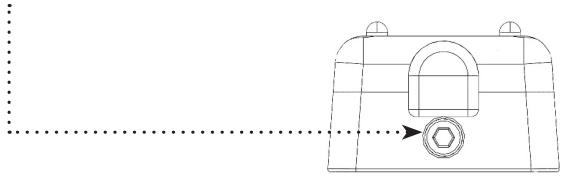
C-Clamp Mount

1. Loosen set screws. Align the C-Clamp on the lip of the helmet. While holding the C-Clamp, tighten the set screws on using the Hex Key provided. Set screws:

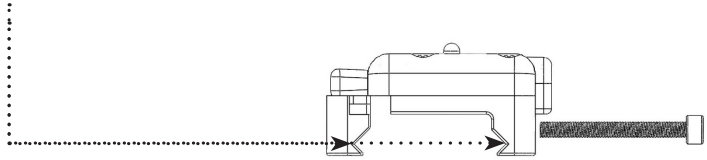


Picatinny Mount

1. Use provided Hex Key to remove screw from Picatinny Mount.



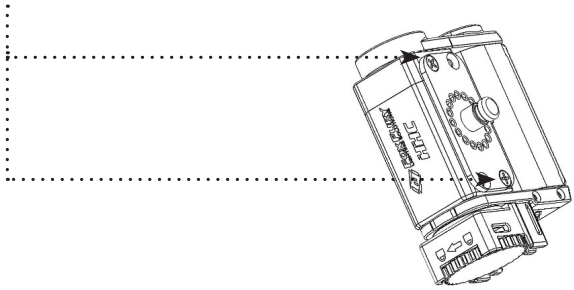
2. Align mount with the channels on the Picatinny rail.



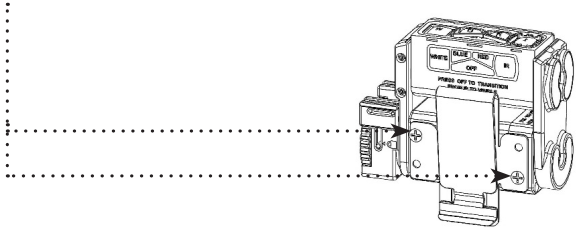
3. When the desired location is found on the rail, insert screw through the hole, aligning with the channel on the rail. Then thread the screw and tighten with the hex key.

Molle Mount

1. Unscrew 360° adaptor screws to remove adaptor from HHC.



2. Attach the Molle Mount, with respect to HHC positioning in picture. Insert screws in appropriate holes then torque down with screw driver. Ensure to switch from counter sunk screws to the button screws provided.



WARRANTY AND OTHER INFORMATION

PRODUCT DURABILITY

Meets requirements of NFPA 1971–8.6 (2013).

CARE/CLEANING

Your HHC is a professional tool, but regular maintenance and care of your light will maximize performance for you. As needed, wash your HHC using a soft washcloth, clean water and a mild soap. Be sure that the Battery Door is SEALED before washing. When done, pat dry with a damp cloth.

AVAILABLE ACCESSORIES

- Headlamp Mount, P/N 60-092
- C-Clamp Mount, P/N 60-094
- Molle Mount, P/N 60-093
- Elastic Strap, P/N 60-019
- Picatinny Mount, P/N 60-089

WARNINGS

FoxFury, LLC is not responsible for the incorrect use of any FoxFury Lighting product.

- Lights are strong enough to cause damage to the human eye.
- Do not stare into LEDs for long periods of time or from a close range (less than 2 ft).
- FoxFury, LLC is not responsible for any injury or damage caused during the use of this product.
- Usage of this product must be supervised by an adult when it is being used by a minor.
- Any FoxFury product should be operated at speeds safe enough to maneuver around surrounding obstacles.
- Do not use under the influence of drugs or alcohol.

Infrared Light: Avoid staring at the light. While invisible to the human eye, it can cause long term damage.

LIMITED LIFETIME WARRANTY

FoxFury, LLC (“FoxFury”) warrants this product to be free from defects in material for a lifetime of use except for batteries, LEDs, abuse, and normal wear. We will repair or replace this product should we determine it to be defective. This limited lifetime warranty excludes rechargeable batteries, chargers, switches, and electronics, which have a 2-year warranty with proof of purchase.

This limited lifetime warranty is given only to the original end user of the accompanying product. If you purchased a product from someone other than an authorized FoxFury reseller/distributor or if the product was used (including but not limited to demo models, show models or refurbished product by someone other than FoxFury) prior to your purchase, you are not the Original

Purchaser and the product that you purchased is not covered by this warranty. This limited warranty is VOID if this Product has been altered or modified in any way (including but not limited to attempted warranty repair without authorization from Foxfury and/or alteration/removal of the serial number). To expedite warranty concerns, we encourage the end user to register their FoxFury Product at www.foxfury.com/pages/warranty-registration.

THIS IS THE ONLY WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARE EXPRESSLY DISCLAIMED EXCEPT WHERE SUCH LIMITATION IS PROHIBITED BY LAW.

You may have other specific legal rights which vary by jurisdiction. Go to www.foxfury.com/pages/warranty for a complete copy of the warranty. Retain your receipt for proof of purchase.

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All FoxFury products are designed in Oceanside, CA. All FoxFury products are manufactured with the highest quality USA and foreign parts. Products are assembled in either FoxFury's controlled plant in Asia or the USA, under strict quality control.

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