



Rayfall®

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Rayfall®

Rayfall®

Headlamps & Lanterns



2017 SPRING

2017
Products



● INTRODUCTION



● Reception Desk



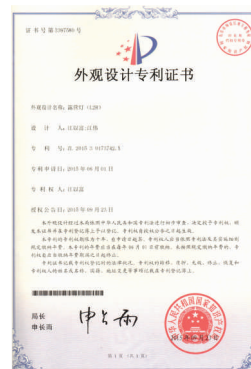
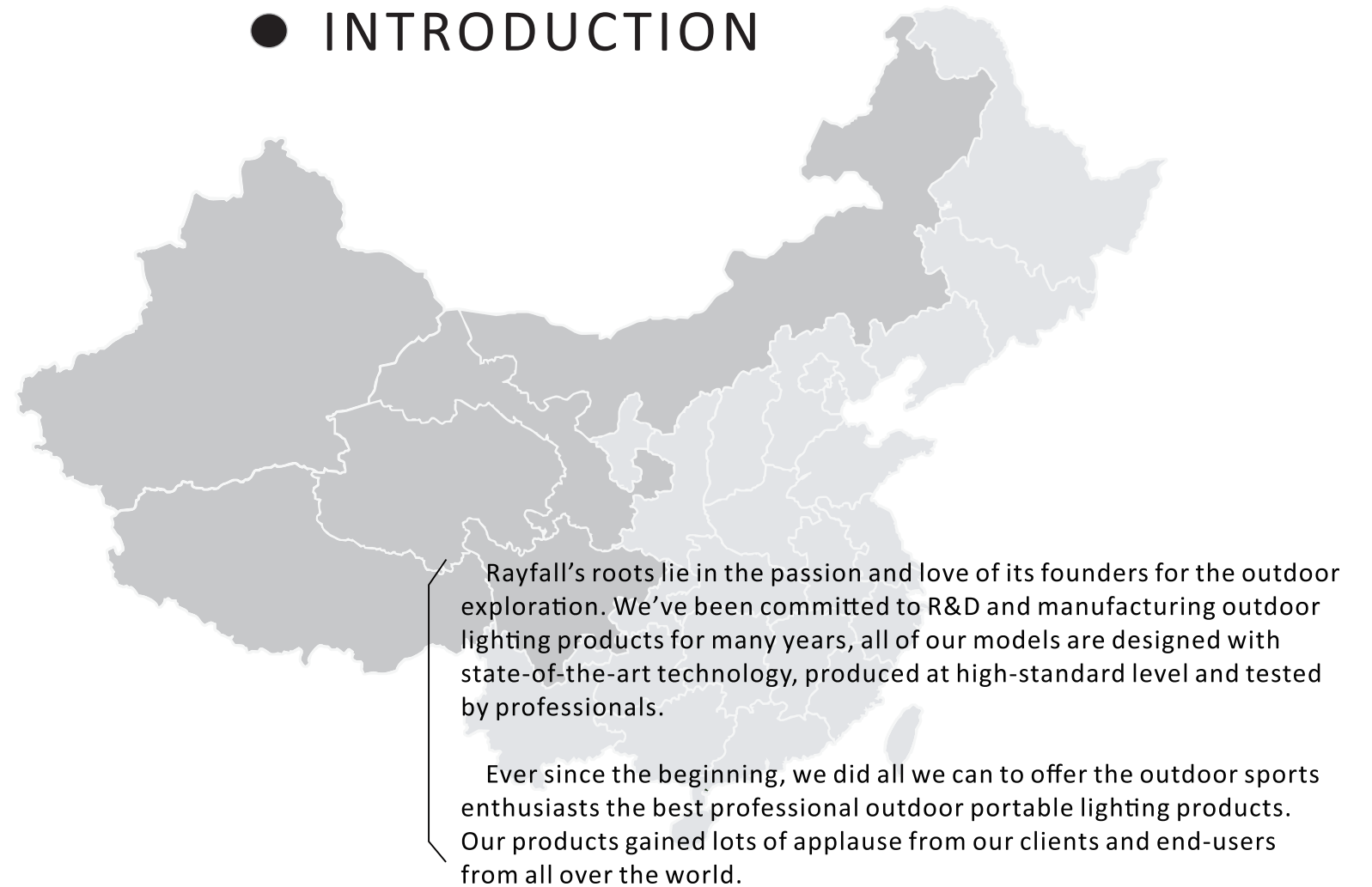
● Assembling lines



● Injection Molding Machine



● Workshop



Thanks for reviewing all our current headlamps and camping lanterns!

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CONTENT

NEW Models

H20 Series



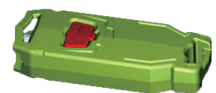
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H20S w/Sensor

H20R Rechargeable

H20RS w/Sensor/Rechargeable

E20 Series



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H30 Series



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H302 w/Lens

H301R Rechargeable

H302R w/Lens/Rechargeable



H301S w/Sensor

H302S w/Lens/Sensor

H301RS w/Sensor/Rechargeable

H302RS w/Lens/Sensor/Rechargeable











H301L w/Ambient Light Sensor

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H302RL w/Lens/Rechargeable



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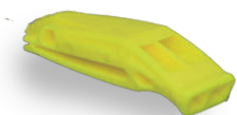


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W10



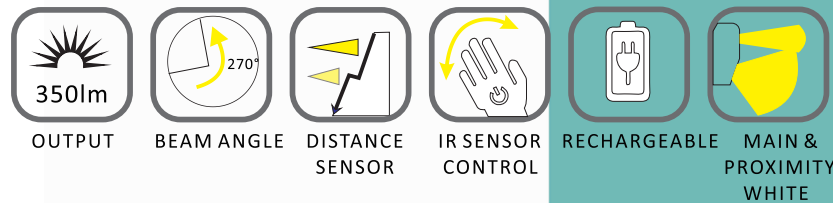
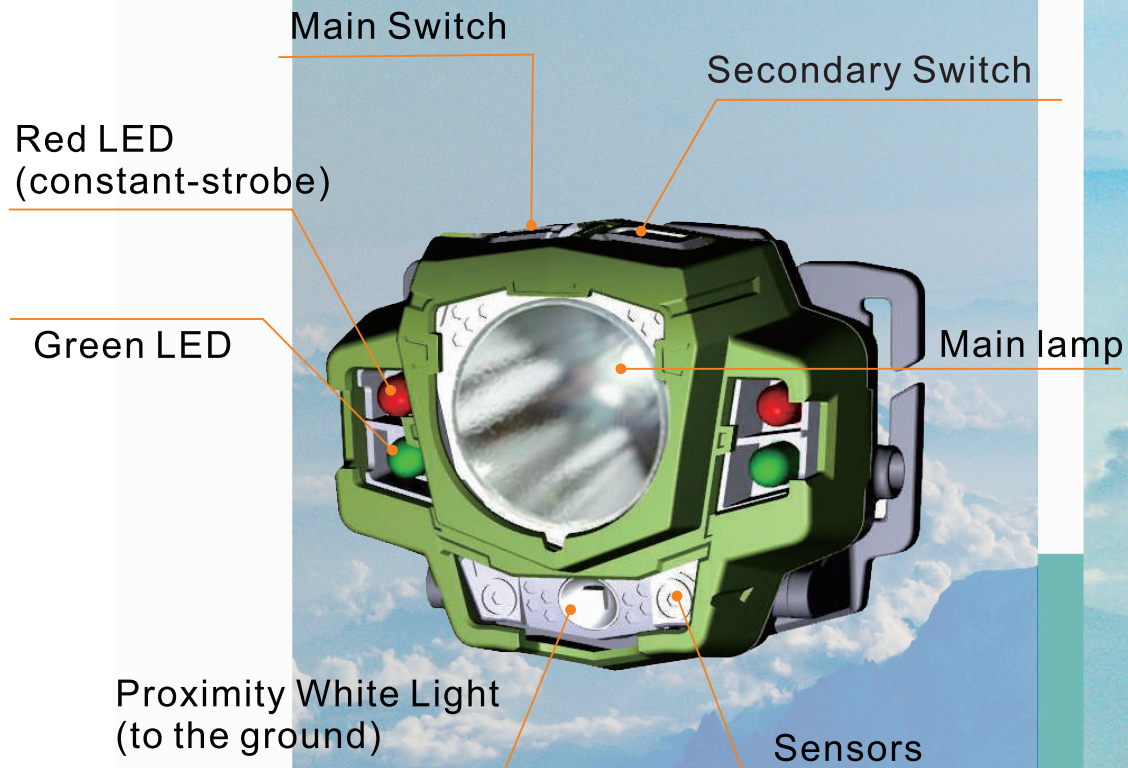
W20

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H20

SHADOW EXPLORER



Operation Guide

Main Switch: Once press to Cycle Through Main WHITE HIGH - Proximity WHITE HIGH - Main&Proximity WHITE HIGH - RED ON - GREEN ON - RED&GREEN STROBE (4Hz FLASHING) - OFF

Once Press for OFF if Lamp Stays at Any Modes for over 3 Seconds

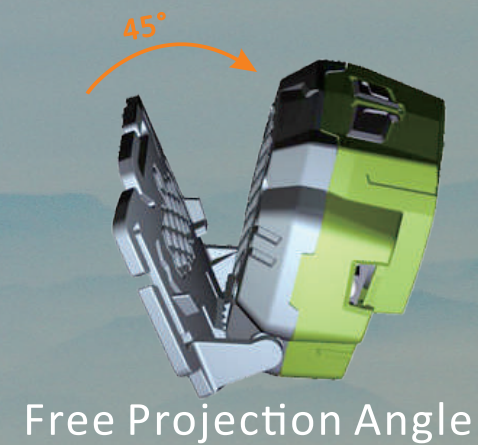
Press&Hold for Seconds to Activate Distance Sensor Controlled Mode [only for models with IR Sensors]

Secondary Switch: Single Press to Adjust Brightness Levels, or Press&Hold for Seconds to Activate Hand-wave Sensor Controlled Mode [only for models with IR Sensors], and Indicator Light ON, hand-wave for ON/OFF. [Single Press Any Switch for Backing to Normal Mode]

While Main WHITE ON: Single Press to Cycle Through HIGH - MED - LOW - S.O.S

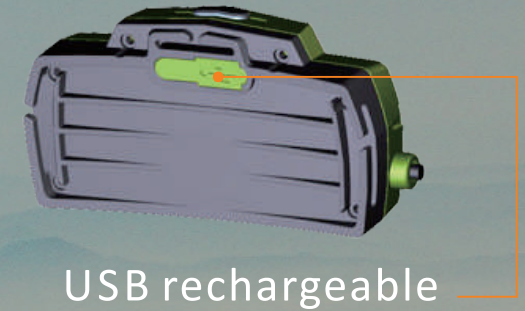
While Main & Proximity WHITE ON: Single Press to Cycle Through HIGH - LOW

While RED or GREEN ON: Single Press to Cycle Through CONSTANT- STROBE(2Hz FLASHING)

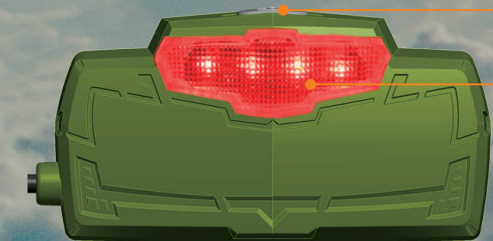


Rayfall®

Headlamps



Lithium Rechargeable Battery
Battery Level Indicator



Rear RED LED for Warning



Alkaline AA Batteries*3

Rear Red Light

Single Press the Switch Button on Battery Pack to Cycle Through FLASHING (mode 1)

- FLASHING (mode 2) - CONSTANT - OFF

Battery Level Indicator [Battery Pack Switch Color Shows]

[While the Lamp ON: **GREEN** - Above 50% **RED** - 50%-25% **RED FLASH** - Below 25%]

[While Charging: **GREEN** - Recharging Done **RED** - Recharging]

SHADOW EXPLORER

Models	H20R	H20RS	H20	H20S
Rechargeable	✓			
Batteries	Li-Polymer Battery 3000mA/h		Alkaline Battery AA*3	
Hand-wave IR Sensor		✓		✓
Distance IR Sensor		✓		
LED Light Source	CREEXP-G 2/S3 Cool White + CREEXB-D + 5mm High Brightness RED + 5mm GREEN LED			
Max. Output	350Lm		265Lm	
Weight				
Lamp Dimension	65.5*53.5*40.5mm			
Battery Case	96.0*50.0*32.0mm		77.5*61.5*25.5mm	
Resistance to Fall	1.5m			
Water Resistance	IPX6			

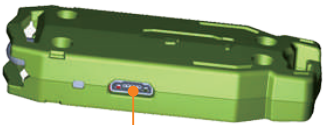
Specifications

	Brightness Levels	Output (Lm)	Intensity (Cd)	Distance (m)	Burn-time (h)
Main LAMP	HIGH	350	4000	130	12
	MED	140	1600	N/A	N/A
	LOW	35	400	80	25
	SOS	N/A	N/A	N/A	100
Proximity LAMP	HIGH	90	N/A	N/A	N/A
	LOW	11	N/A	N/A	N/A
RED LIGHT	HIGH	3	8	6	N/A
	STROBE	N/A	N/A	N/A	N/A
GREEN LIGHT	HIGH	4	10	6.3	N/A
	STROBE	N/A	N/A	N/A	N/A
RED&GREEN 4HZ FLASHING	N/A	N/A	N/A	N/A	N/A

Key Ring Light E20



* White LED Carabiner Light
Easy to Attach Anywhere for Backpackers or Campers



USB rechargeable

Operation Guide:
Single Press to Cycle Through WHITE HIGH - LOW - OFF;
Once Press OFF if it Stays at Any Modes for Over 3 Seconds
Press & Hold for Seconds for Switching to WHITE STROBE (2Hz Flashing),
and Press Again for OFF

LED: NICHIA 5mm High Brightness WHITE LED
Battery: 3.7V Rechargeable Li-polymer Battery 200mAh
Dimension: 56.0*22.0*11.5mm Resistance to Fall: 1.5m

Levels	Max. Output (Lm)	Indensity (Cd)	Distance (m)	Burn-time (h)
High	25	48	14	N/A
Low	6	12	7	N/A
2Hz Flashing	N/A	N/A	14	N/A

* All data are based on primary sample and only for reference, RAYFALL reserves the right to change parameters without prior notice.

ALL
NEW

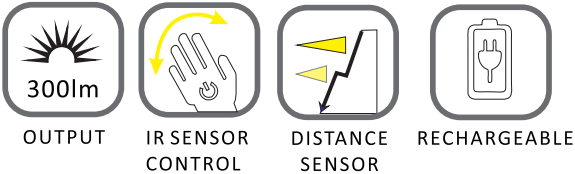
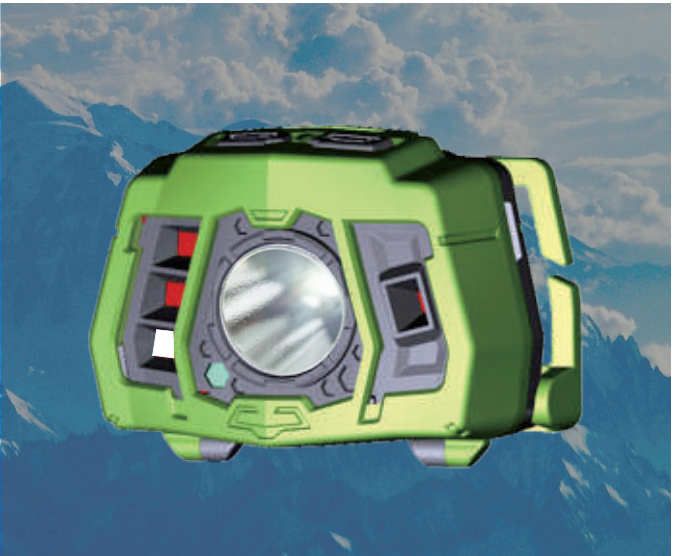
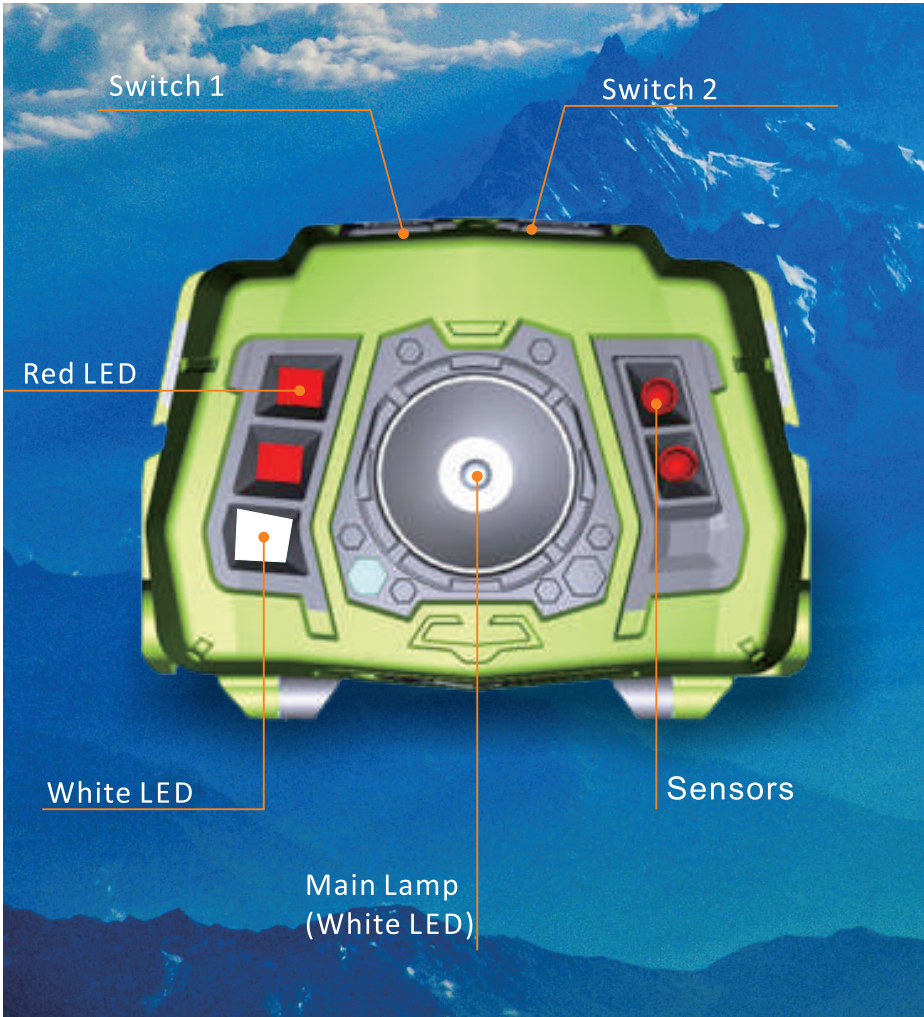


Rayfall®
H30



Battery Replaceable

USB Rechargeable





H30

Operation Guide:

Switch 1:

Once press to Cycle Through Main WHITE HIGH - MED - LOW - SOS - OFF

Once Press for OFF if Lamp Stays at Any Modes for over 3 Seconds Press&Hold for Seconds to Activate [Indicator Light ON, Single Press Any Switch for Backing to Normal Mode]

- Distance Sensor Controlled Mode [only for models with IR Sensors], and Modes Automatically Switch to HIGH (far) - MED - LOW (close)
- Ambient Light Sensor Controlled Mode [only for models with Ambient Light Sensor], and Modes Automatically Switch to HIGH (dark) - MED - LOW (bright)

Switch 2:

Once Press to Cycle Through Proximity WHITE ON - RED ON - RED FLASHING - OFF

Once Press for OFF if Lamp Stays at Any Modes for over 3 Seconds Press&Hold for Seconds to Activate Hand-wave Sensor Controlled Mode, Indicator Light ON, Hand-Wave for ON/OFF [Single Press Any Switch for Backing to Normal Mode]

SHADOW EXPLORER

Specifications

	Brightness Levels	Output (Lm)	Intensity (Cd)	Distance (m)	Burn-time (h)
Main LAMP	HIGH	300	3500	118	N/A
	MED	140	1600	75	N/A
	LOW	35	400	37	N/A
	SOS	N/A	N/A	N/A	N/A
Proximity LAMP	HIGH	80	N/A	N/A	N/A
RED LIGHT	HIGH	3	3	4	N/A
	2Hz FLASHING	N/A	N/A	N/A	N/A

* All data are based on primary sample and only for reference, RAYFALL reserves the right to change parameters without prior notice.

Models	H301	H302	H301S	H302S	H301L	H302L	H301R	H302R	H301RS	H302RS	H301RL	H302RL
Rechargeable							✓					
Battery	AAA*3						3.7V/900mA/h					
Hand-wave IR Sensor			✓	✓					✓	✓		
Distance IR Sensor			✓	✓					✓	✓		
Ambient Light Sensor					✓	✓					✓	✓
LED Light Source	CREE XP-G/2 S3+2835 HIGH RED+2835 HIGH WHITE											
Max. Output	250Lm						300Lm					
Weight	g											
Dimension	65.0*49.0*42.0mm											
Resistance to Fall	1.5m											
Water Resistance	IPX6											

LED Headlamp

» H101

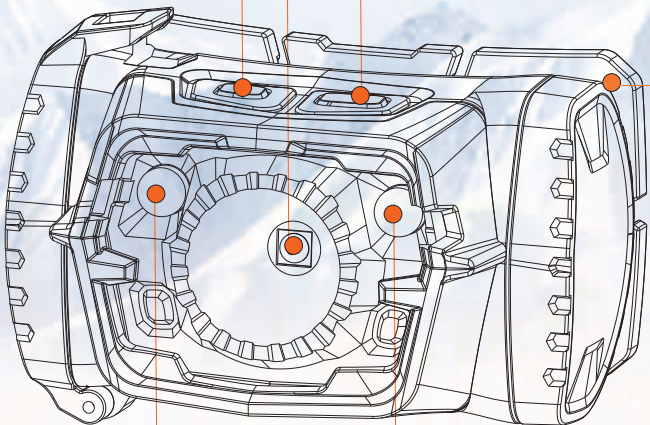


Operation	WHITE LED cycles through HIGH>MEDIUM>LOW>SOS>OFF RED LEDs cycle through ON> FLASHING>OFF (Press OFF if lamp stays at any mode for over 3 seconds)
LED	CREE XP-G cool white LED and Φ5mm high brightness red LED
Working voltage	DC 4.5V
Battery	AAA battery*3
Size	61.0*45.0*42.0mm
Weight	50g(w/o battery)

Switch(White)

CREE XP-G

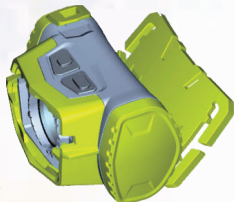
Switch(Red)



Free Projection Angle

30°

40°



Φ5mm red LED



RED Visiable Both Sides

	WHITE LIGHT				RED	LIGHT
	High	Medium	Low	SOS	High	Flashing
Output	220 Lumen	91 Lumen	9 Lumen	N/A	3 Lumen	N/A
Distance	118 m	75 m	24 m	N/A	5m	N/A
Intensity	3500cd	1410cd	140cd	N/A	5cd	N/A
Runtime	28h	55h	120h	150h	80h	120h
Drop Test	1.5m					
Waterproof	IPX6					

Colors

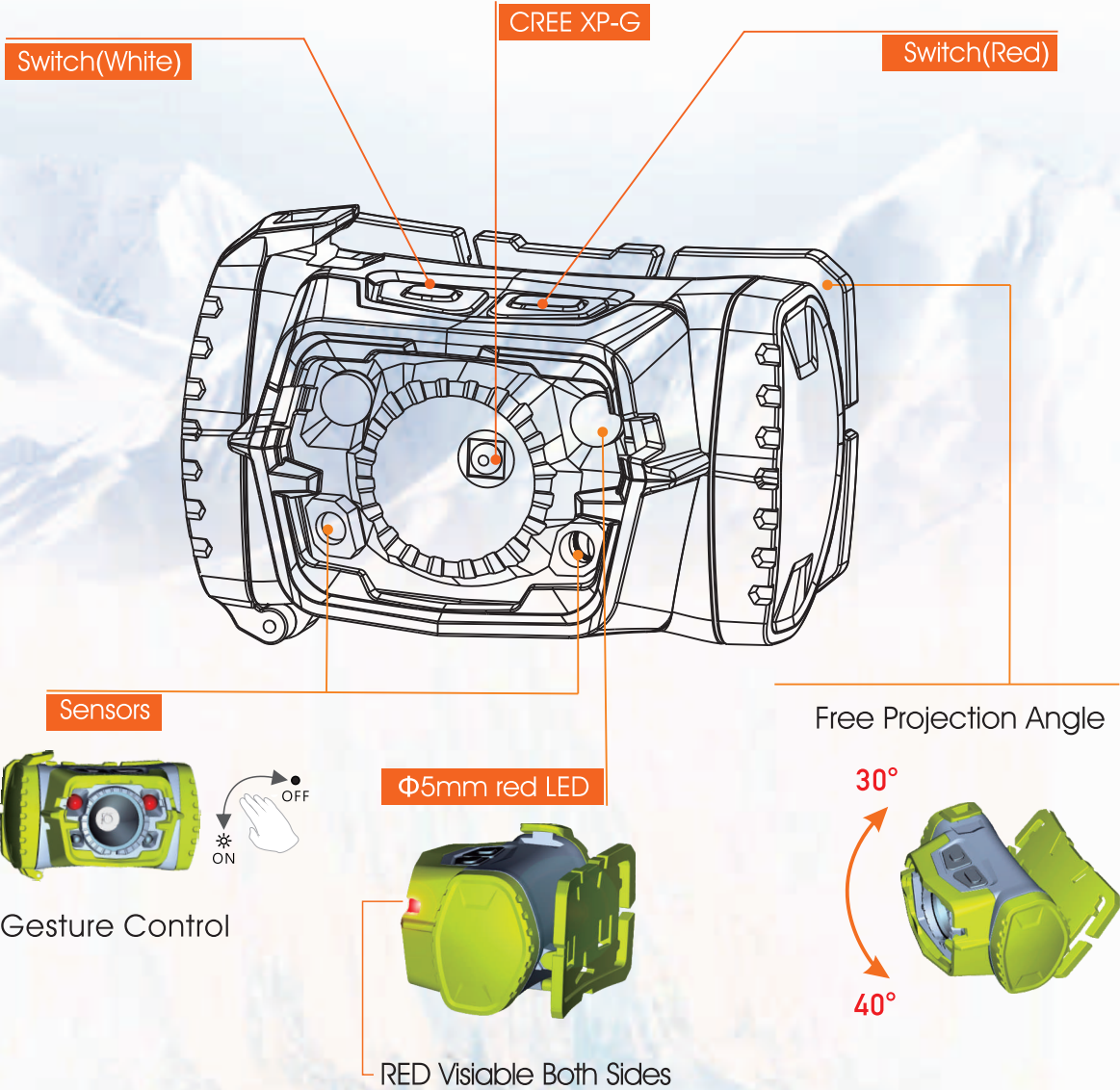


Sensor Operated
» H101S



IR SENSOR CONTROL

Operation	WHITE LED cycles through HIGH>MEDIUM>LOW>SOS>OFF RED LEDs cycle through ON> FLASHING>OFF (Press OFF if lamp stays at any mode for over 3 seconds) (Press&Hold to activate Sensor Motion Controlled Mode and Sensor Indicator Light On, Hand-Wave to Switch; Once press the button to Switch OFF Sensor Mode)
LED	CREE XP-G cool white LED and Ø5mm high brightness red LED
Working voltage	DC 4.5V
Battery	AAA battery*3
Size	61.0*45.0*42.0mm
Weight	50g(w/o battery)



	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	220 Lumen	91 Lumen	9 Lumen	N/A	3 Lumen	N/A
Distance	118 m	75 m	24 m	N/A	5 m	N/A
Intensity	3500cd	1410 cd	140cd	N/A	5cd	N/A
Runtime	28 h	55 h	120 h	150 h	80 h	120 h
Drop Test	1.5m					
Waterproof	IPX6					

Colors



Sensor Operated

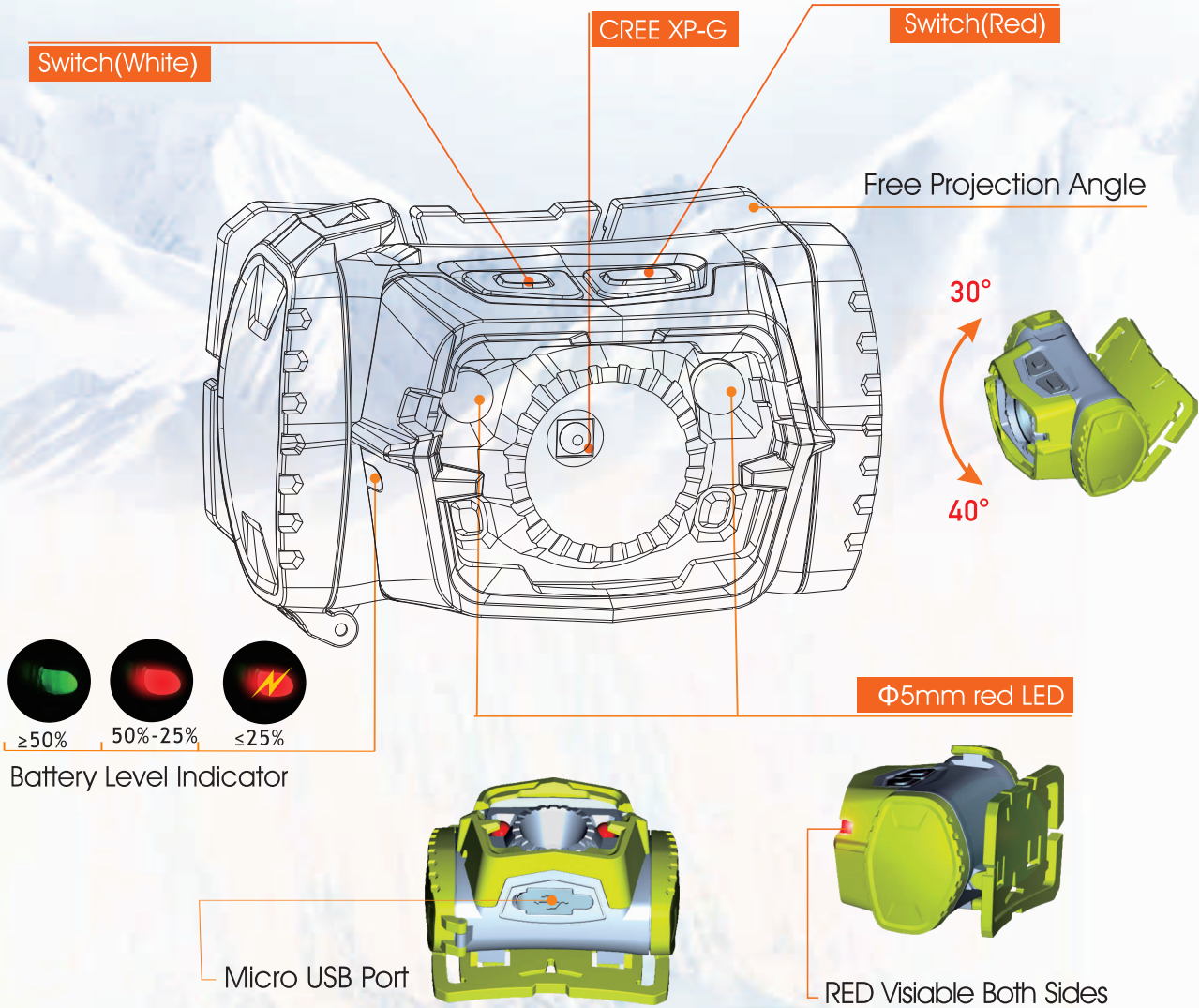
» H101R



RECHARGEABLE



Operation	Lighting Modes: WHITE-High,Med,Low,SOS,OFF, RED-High,2Hz Flashing, OFF (Once Press for OFF if Lamp Stays at Any Mode for Over 3 Seconds) (Auto-OFF if Low Battery)
LED White	CREE XP-G cool white
LED Red	5mm High Brightness
Battery Level Indicator	LIGHTING: Green>50%,Red50%-25%,Red Flashing<25% RECHARGING: Green-Full Recharged, Red-Recharging
Battery	3.7V Li-Polymer 800mAh(Replaceable)
Size	61.0*45.0*42.0mm
Weight	68g(w/ battery)



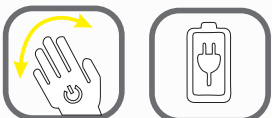
	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	240 Lumen	96 Lumen	10 Lumen	N/A	3 Lumen	N/A
Distance	121m	78 m	25m	N/A	3m	N/A
Intensity	3660cd	1520cd	150cd	N/A	2cd	N/A
Runtime	6.5h	15 h	45 h	38 h	51 h	120 h
Drop Test	1.5m					
Waterproof	IPX6					

Colors



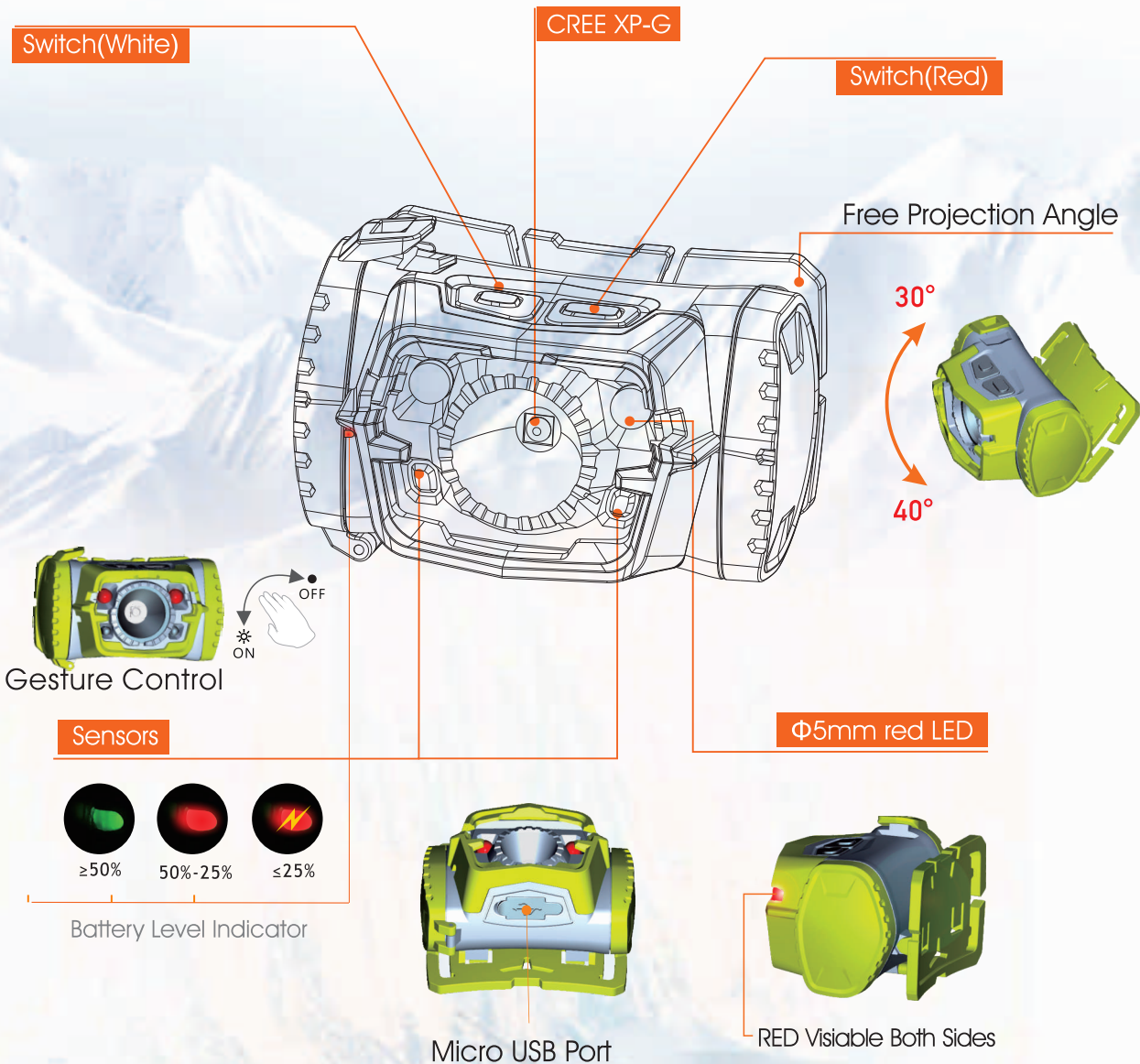
Sensor Operated

» H101RS



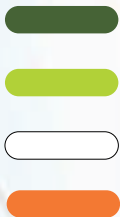
IR SENSOR CONTROL RECHARGEABLE BATTERY

Operation	Lighting Modes: WHITE-High,Med,Low,SOS,OFF, RED-High,2Hz Flashing,OFF (Press&Hold to activate Sensor Motion Controlled Mode and Sensor Indicator Light On, Hand-Wave to Switch; Once press the button to Switch OFF Sensor Mode) (Once Press for OFF if Lamp Stays at Any Mode for Over 3 Seconds) (Auto-OFF if Low Battery)
LED White	CREE XP-G cool white
LED Red	5mm High Brightness
Battery Level Indicator	LIGHTING: Green>50%,Red50%-25%,Red Flashing<25% RECHARGING: Green-Full Recharged, Red-Recharging
Battery	3.7V Li-Polymer 800mAh(Replaceable)
Size	61.0*45.0*42.0mm
Weight	68g(w/ battery)



	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	240 Lumen	90 Lumen	10 Lumen	20 Lumen	3 Lumen	N/A
Distance	127m	82m	26m	N/A	3m	N/A
Intensity	3660cd	1520cd	150cd	N/A	2cd	N/A
Runtime	6.5h	15h	45h	38h	51h	120h
Drop Test	1.5m					
Waterproof	IPX6					

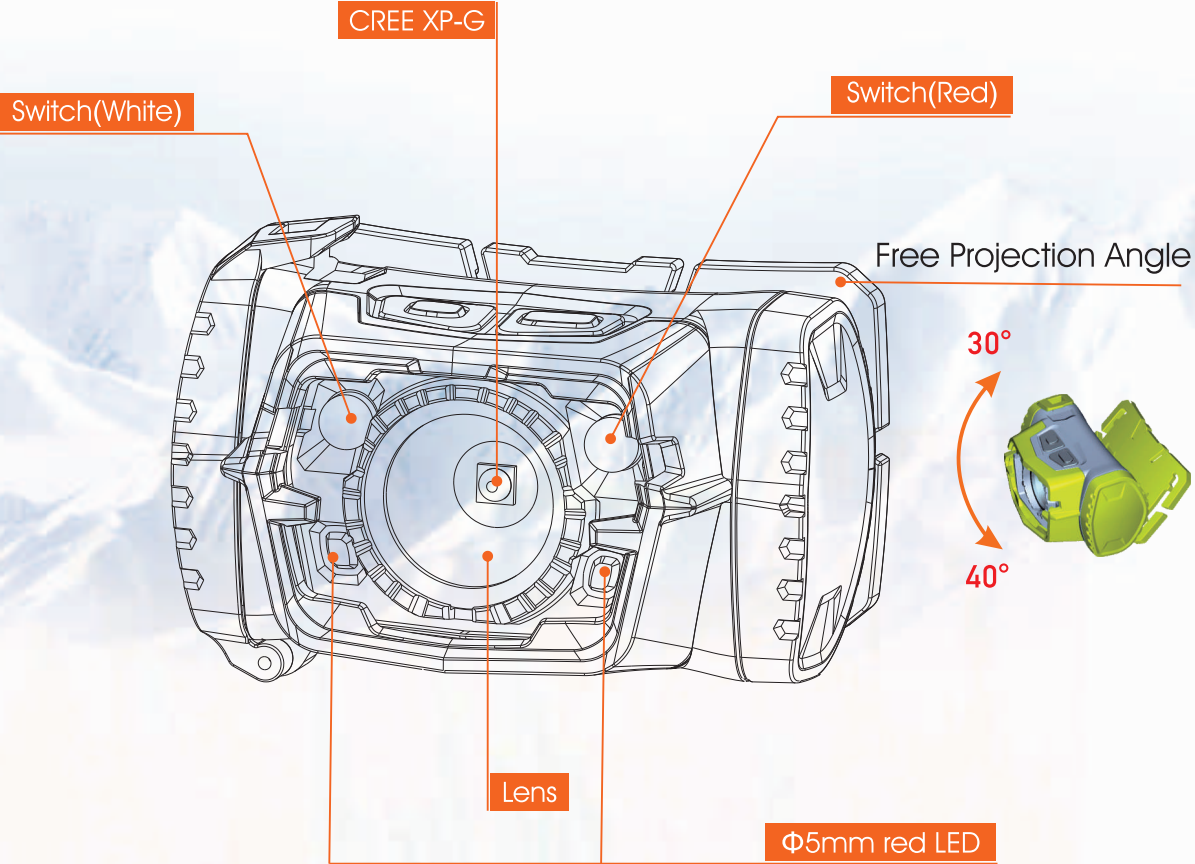
Colors



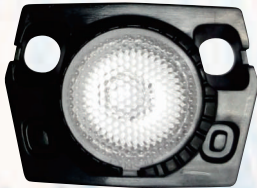
LED Headlamp
» H102



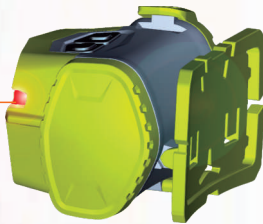
Operation	WHITE LED cycles through HIGH>MEDIUM>LOW>SOS>OFF RED LEDs cycle through ON> FLASHING>OFF (press OFF if lamp stays at any mode for over 3 seconds)
LED	CREE XP-G cool white LED and Ø5mm high brightness red LED
Working voltage	DC 4.5V
Battery	AAA battery*3
Size	61.0*45.0*42.0mm
Weight	50g(w/o battery)



Lens for Spot Beam



Lens for Flood Beam [optional]



RED Visible Both Sides

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	210 Lumen	80 Lumen	8 Lumen	N/A	3 Lumen	N/A
Distance	46 m	29m	9 m	N/A	5 m	N/A
Intensity	520cd	210cd	21cd	N/A	5 cd	N/A
Runtime	28h	55 h	120h	150 h	80 h	120 h
Drop Test	1.5m					
Waterproof	IPX6					

Colors

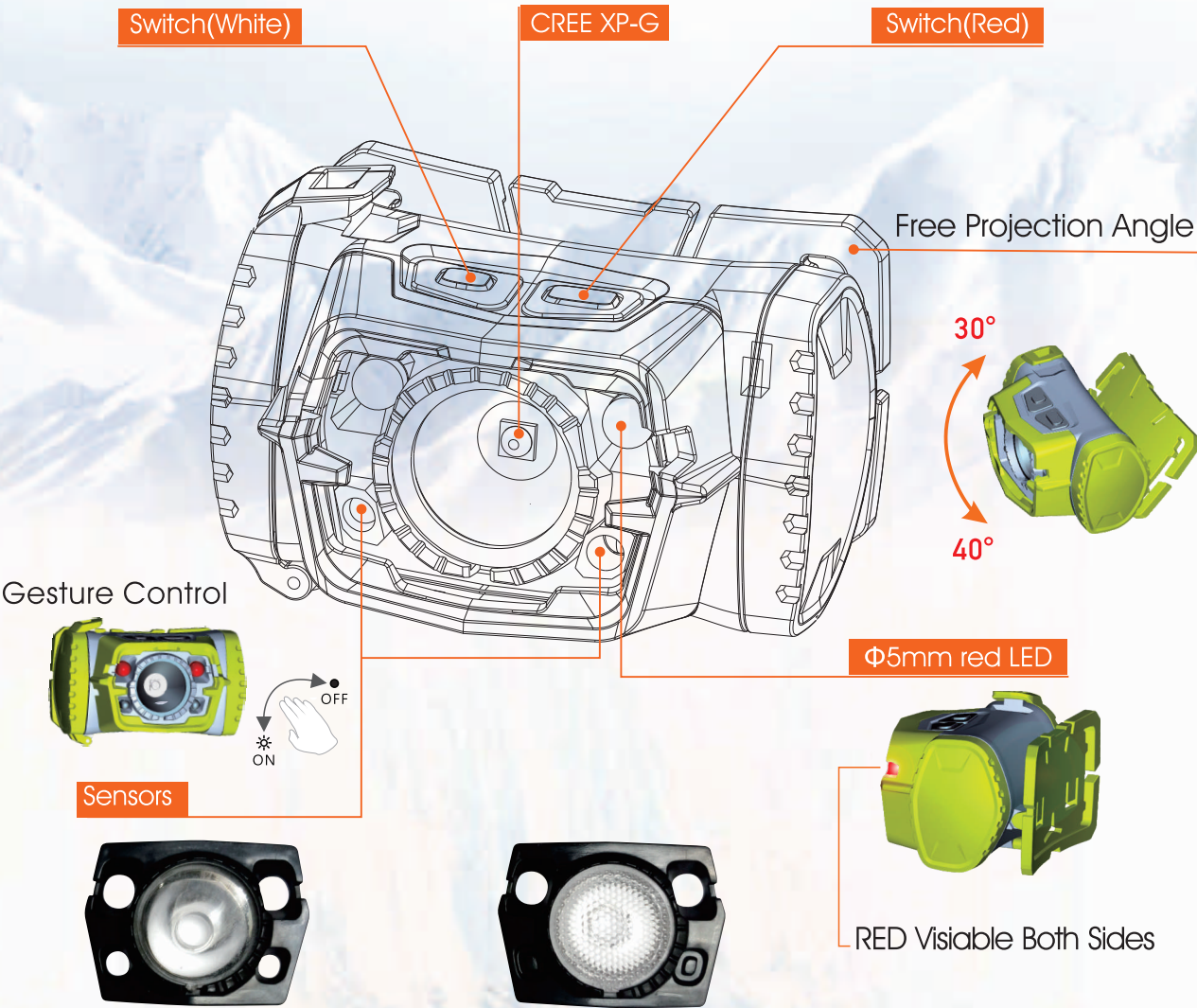


Sensor Operated
» H102S



IR SENSOR
CONTROL

Operation	WHITE LED cycles through HIGH> MEDIUM> LOW> SOS> OFF RED LEDs cycle through ON> FLASHING> OFF (Press OFF if lamp stays at any mode for over 3 seconds) (Press&Hold to activate Sensor Motion Controlled Mode and Sensor Indicator Light On, Hand-Wave to Switch; Once press the button to Switch OFF Sensor Mode)
LED	CREE XP-G cool white LED and Φ5mm high brightness red LED
Working voltage	DC 4.5V
Battery	AAA battery*3
Size	61.0*45.0*42.0mm
Weight	50g(w/o battery)



Lens for Spot Beam

Lens for Flood Beam [optional]

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	210 Lumen	80 Lumen	8 Lumen	N/A	3 Lumen	N/A
Distance	46 m	29m	9 m	N/A	5m	N/A
Intensity	520cd	210cd	21cd	N/A	5 cd	N/A
Runtime	28h	55h	120h	150 h	80 h	120 h
Drop Test	1.5m					
Waterproof	IPX6					

Colors



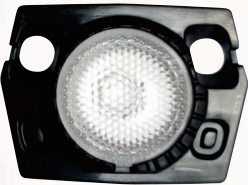
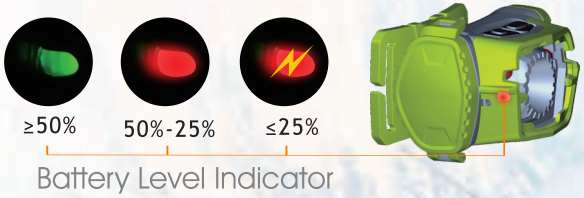
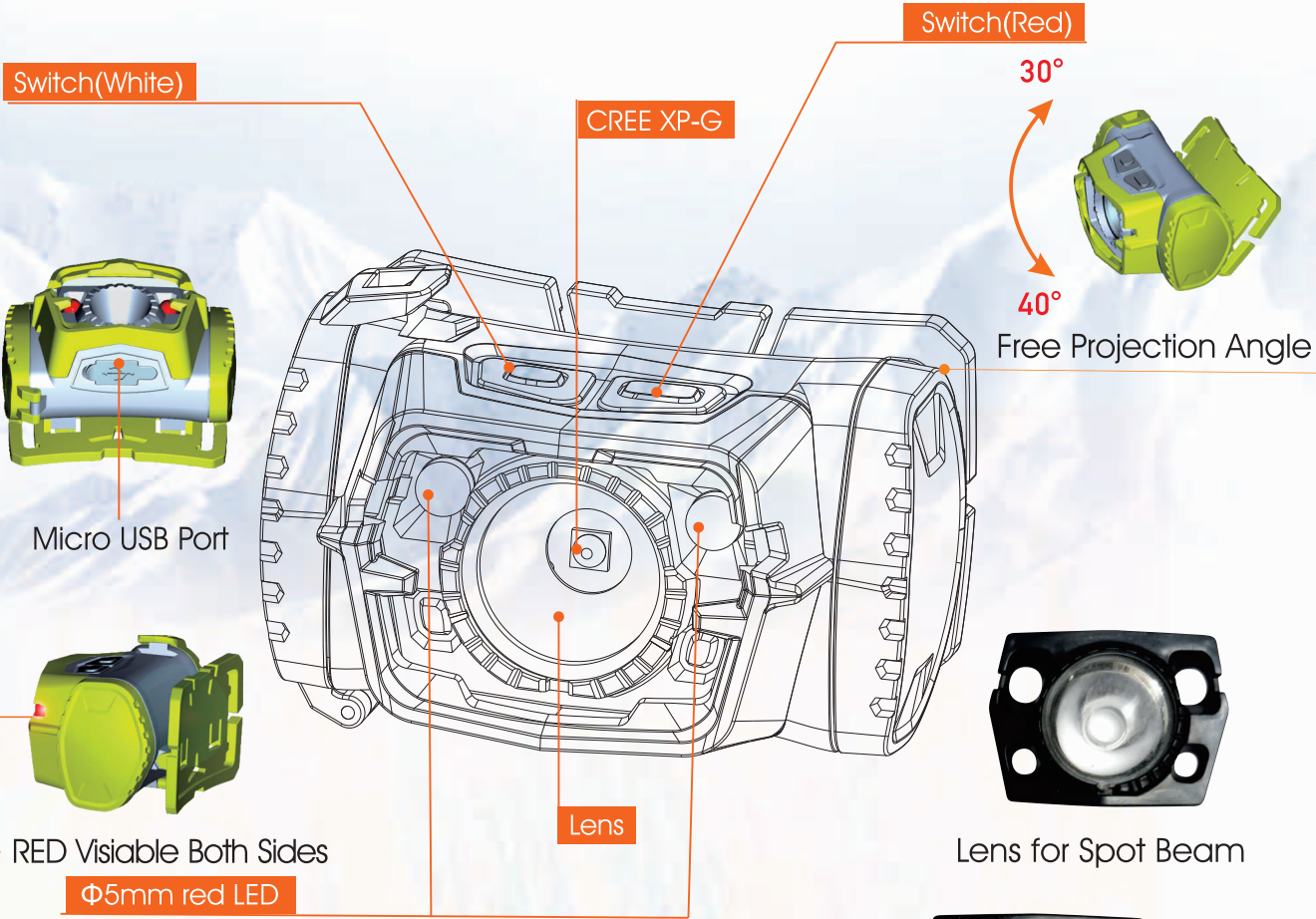
LED Headlamp

H102R



RECHARGEABLE

Operation	Lighting Modes: WHITE-High,Med,Low,SOS,OFF, RED-High,2Hz Flashing, OFF (Once Press for OFF if Lamp Stays at Any Mode for Over 3 Seconds) (Auto-OFF if Low Battery)
LED White	CREE XP-G cool white
LED Red	5mm High Brightness
Battery Level Indicator	LIGHTING: Green>50%,Red50%-25%,Red Flashing<25% RECHARGING: Green-Full Recharged, Red-Recharging
Battery	Li-Polymer 800mAh(Replaceable)
Size	61.0*45.0*42.0mm
Weight	68g(w/ battery)
Battery Voltage	3.7V



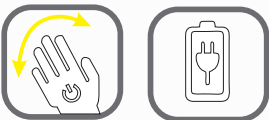
Lens for Flood Beam [optional]

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	220 Lumen	90 Lumen	9 Lumen	N/A	3 Lumen	N/A
Distance	46 m	29 m	9 m	N/A	3 m	N/A
Intensity	520cd	210cd	21cd	N/A	2cd	N/A
Runtime	6.5h	15h	45h	38h	51h	120h
Drop Test	1.5m					
Waterproof	IPX6					

Colors

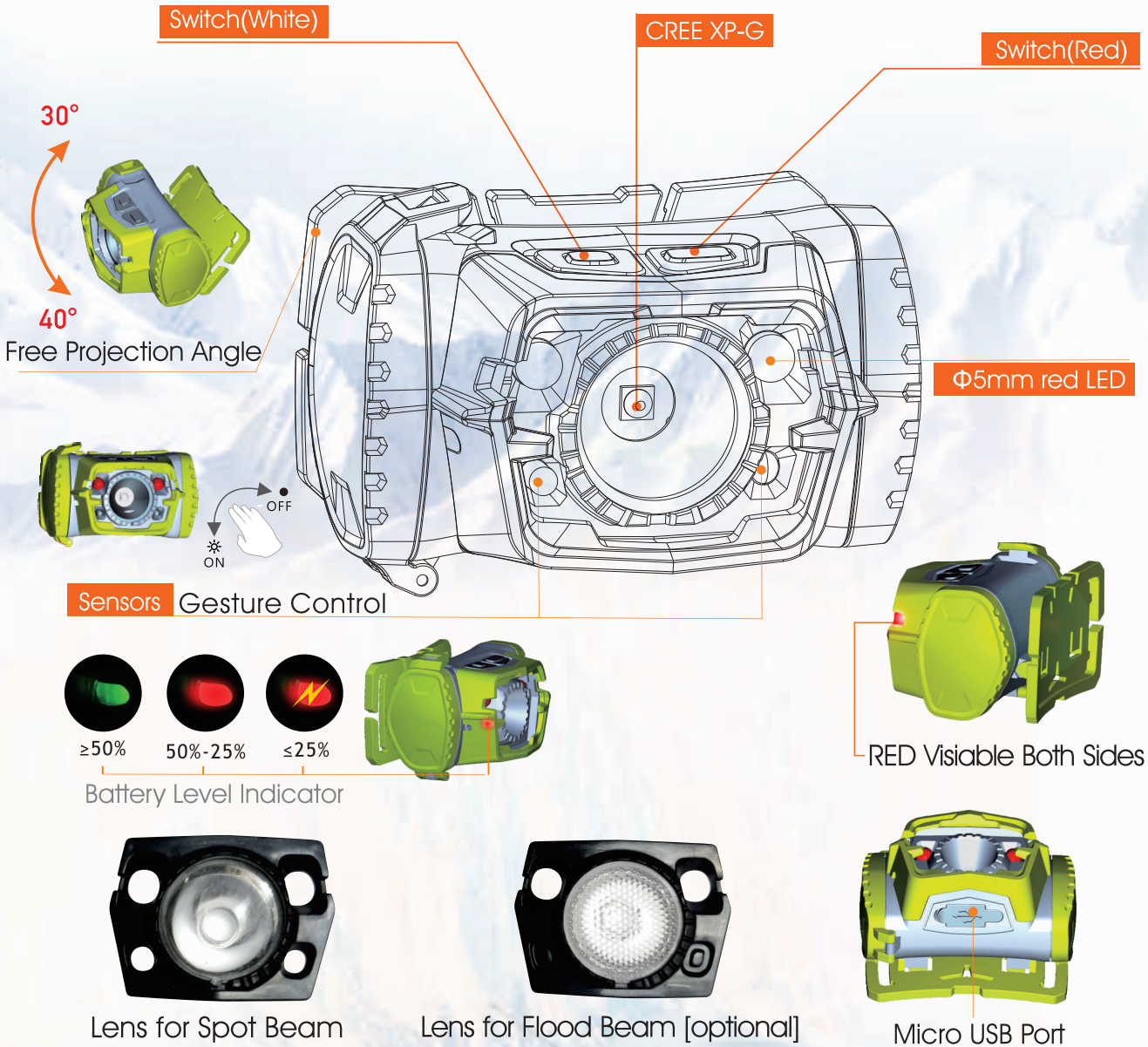


Sensor Operated
H102RS



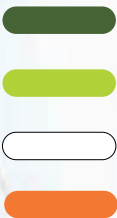
IR SENSOR CONTROL RECHARGEABLE BATTERY

Operation	Lighting Modes: WHITE-High, Med, Low, SOS, OFF, RED-High, 2Hz Flashing, OFF (Press&Hold to activate Sensor Motion Controlled Mode and Sensor Indicator Light On, Hand-Wave to Switch; Once press the button to Switch OFF Sensor Mode) (Once Press for OFF if Lamp Stays at Any Mode for Over 3 Seconds) (Auto-OFF if Low Battery)
LED White	CREE XP-G cool white
LED Red	5mm High Brightness
Battery Level Indicator	LIGHTING: Green>50%, Red 50%-25%, Red Flahing<25% RECHARGING: Green-Full Recharged, Red-Recharging
Battery	3.7V Li-Polymer 800mAh(Replaceable)
Size	61.0*45.0*42.0mm
Weight	68g(w/ battery)



	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	220 Lumen	90 Lumen	9 Lumen	N/A	3 Lumen	N/A
Distance	46 m	29 m	9 m	N/A	3 m	N/A
Intensity	520cd	210cd	21cd	N/A	2cd	N/A
Runtime	6.5h	15h	45h	38h	51h	120 h
Drop Test	1.5m					
Waterproof	IPX6					

Colors



Mini LED Camping Lantern

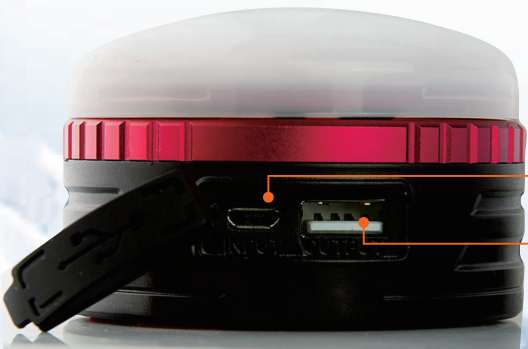
» L4R



- **Size:** 71.0*71.0*46.5mm
- **Weight:** 150g(w/battery)
- **Battery:** 3.7V 2900mAh rechargeable lithium-polymer battery
- **LED:** Led1:CREE XB-D R3 White light LED
Led2:high brightness Red LEDs
- **Working voltage:** DC 3.7V
- **Operation:** Press and hold for 3 seconds to switch between white light and red light
White light mode: once press High-Medium-Low-SOS-OFF
Red light mode: once press for High-Flashing-OFF
Switch off the light if it stays at any mode for over 3 seconds
- **Battery indicator:** Recharging: Green-Full Charged; Red-Recharging.
Low voltage protection: Auto OFF if low Battery
Lighting: Green>75%; Green Flashing 75%-40%; Red 40%-10%; Red Flashing<10%.



RECHARGEABLE



Input:5V/1A
Micro 5P USB Port for Recharging

Output:5V/1A
Micro 5P USB Port for Recharging

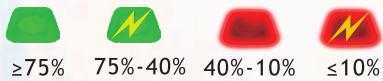


Built-in magnets for easy fixing on metal surface

Charging for Mobile Devices



Bottom Hook for Hanging



Switch with Battery Level Indicator

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	200 Lumen	80 Lumen	4 Lumen	N/A	N/A	N/A
Distance	13 m	8 m	3 m	N/A	8 m	N/A
Intensity	45 cd	18 cd	2 cd	N/A	N/A	N/A
Runtime	15 h	50 h	120 h	N/A	100 h	200 h
Drop Test	1.5m					
Waterproof	IPX6					

LED Camping Lantern

» L3D/ L3DR



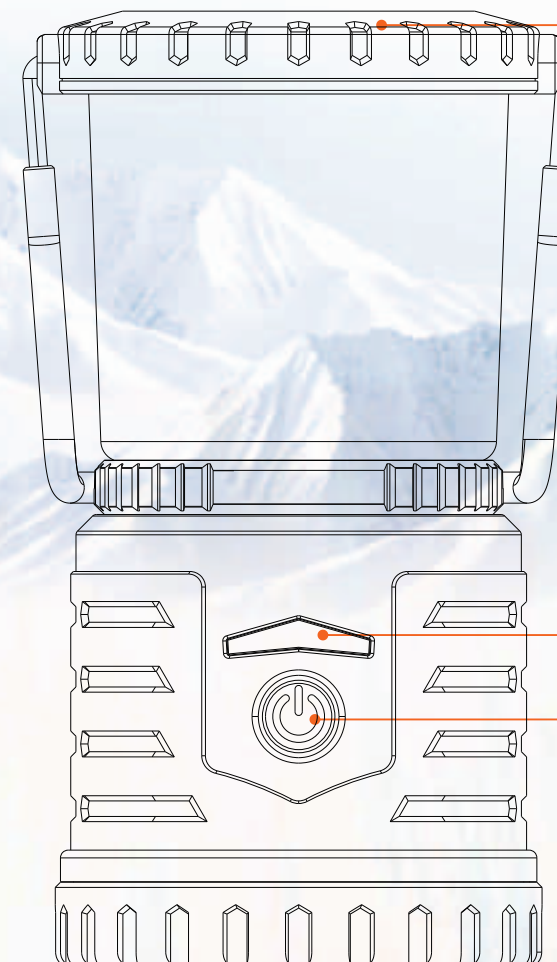
- **Size:** 106*94*185mm
- **Weight:** 460g(w/o battery)
880(w/battery)
- **Battery:** D Size Batteries*3
- **LED:** CREE XB-D*2
- **Working voltage:** DC 4.5V
- **Operation:** Press and hold for 3 seconds to switch between white light and red light
White light mode: once press High-Medium-Low-SOS-OFF
Red light mode: once press for High-Flashing-OFF
Switch off the light if it stay at any mode for over 3 seconds

Lamp Operation:

Press& hold the Lamp Button for Seconds to Activate Remote Control Mode, and the Blue LED indicator will constantly ON; Switch OFF the Remote Control Mode by Single Press.

Controller Operation:(for L3DR)

Switch 1: To Control the Lamp White, Once Press to Cycle Through WHITE HIGH-MED-LOW-SOS-OFF
Switch 2: To Control the Lamp RED, Once Press to Cycle Through RED HIGH-FLASHING-OFF
Switch 3: To Control Remote Controller Flashlight, Once Press to Cycle Through White HIGH-SOS-OFF
Once Press for OFF if NO Any Operations for Over 3 Seconds.



Bottom Hook for Hanging



≥50% 50%-25% ≤25%

Battery Level Indicator

Switch

IR Emitter

Flashlight

Indicator

Switch 1

Switch 2

Switch 3



	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	385 Lumen	162 Lumen	40 Lumen	N/A	1 Lumen	N/A
Distance	25 m	15 m	7 m	N/A	N/A	N/A
Intensity	156 cd	60cd	12 cd	N/A	N/A	N/A
Runtime	25 h	85 h	600 h	360 h	600 h	N/A
Drop Test	1.5m					
Waterproof	IPX6					

LED Camping
Lantern

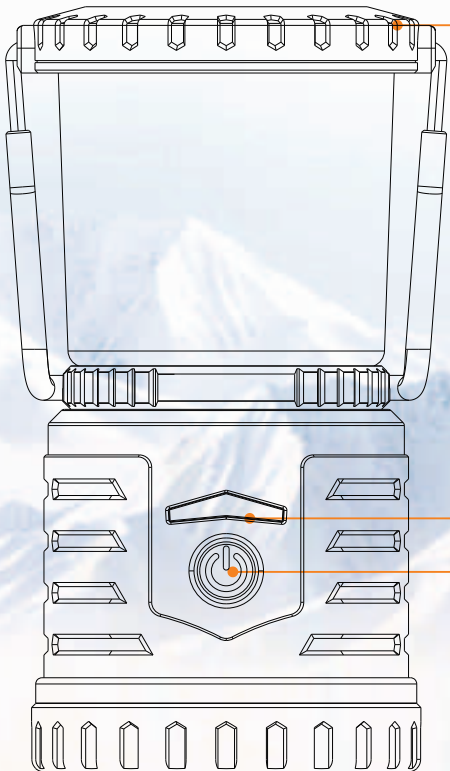
» L3R



- Size: 106*94*185mm
- Weight: 569(w/battery)
- Battery: 6000mAH Li-ion Battery
- LED: CREE XB-D*2
- Working voltage: DC 4.2V
- Operation: Press and hold for 3 seconds to switch between white light and red light
White light mode: once press High-Medium-Low-SOS-OFF
Red light mode: once press for High-Flashing-OFF
Switch off the light if it stays at any mode for over 3 seconds



RECHARGEABLE



Bottom Hook for Hanging



≥75%



75%-40%



40%-10%



≤10%

Battery Level Indicator

Switch

USB Recharging



	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	400 Lumen	160 Lumen	40 Lumen	20 Lumen	1 Lumen	N/A
Distance	26 m	16m	7m	N/A	N/A	N/A
Intensity	169cd	60 cd	12cd	N/A	N/A	N/A
Runtime	24h	75h	200h	300h	400h	N/A
Drop Test	1.5m					
Waterproof	IPX6					

L3R	Brightness Levels	Output (Lm)	Intensity (Cd)	Distance (m)	Burn-time (h)
White Light XP-G/2 S3	HIGH	610	250	31.6	28
	MED	245	200	20	70
	LOW	49	21	9.2	200
	SOS	49	21	9.2	150
Red Light	HIGH	0.75	0.5	1.4	312
	2Hz FLASHING	0.75	—	—	500

LED Camping
Lantern

» L2A/ L2AR



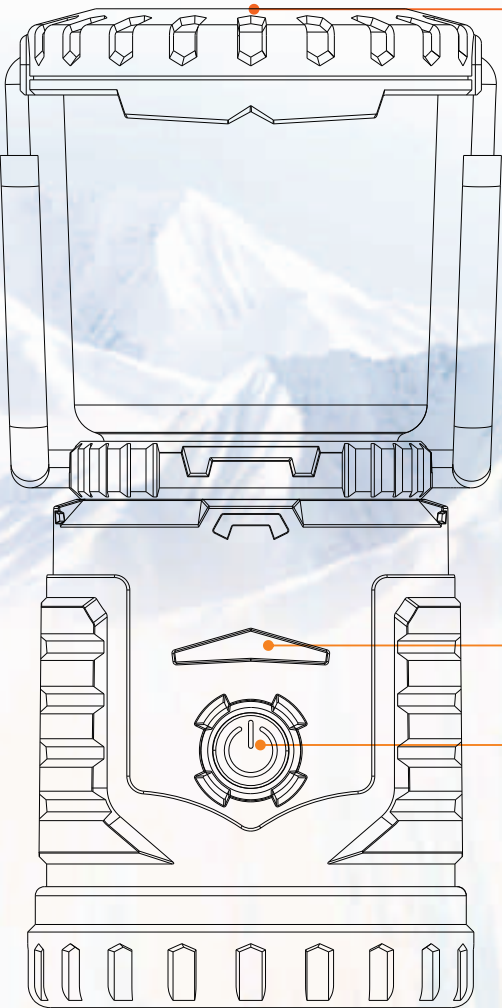
- **Size:** 68*57*135mm
- **Weight:** 150(w/o battery)
- **Battery:** 1.5V AA batteries*3
- **LED:** CREE XB-D*2
- **Working voltage:** DC 6V
- **Operation:** Press and hold for 3 seconds to switch between white light and red light
White light mode: once press High-Medium-Low-SOS-OFF
Red light mode: once press for High-Flashing-OFF
Switch off the light if it stays at any mode for over 3 seconds

Lamp Operation:

Press& hold the Lamp Button for Seconds to Activate Remote Control Mode, and the Blue LED indicator will constantly ON; Switch OFF the Remote Control Mode by Single Press.

Controller Operation:(for L2AR)

Switch 1: To Control the Lamp White, Once Press to Cycle Through WHITE HIGH-MED-LOW-SOS-OFF
Switch 2: To Control the Lamp RED, Once Press to Cycle Through RED HIGH-FLASHING-OFF
Switch 3: To Control Remote Controller Flashlight, Once Press to Cycle Through White HIGH-SOS-OFF
Once Press for OFF if NO Any Operations for Over 3 Seconds.



Bottom Hook for Hanging



≥50%



50%-25%



≤25%

Battery Level Indicator

Switch

IR Emitter

Indicator

Switch 2

Flashlight

Switch 1

Switch 3



	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	200 Lumen	80 Lumen	11 Lumen	N/A	N/A	N/A
Distance	19 m	11 m	7 m	N/A	N/A	N/A
Intensity	90 cd	N/A	N/A	N/A	N/A	N/A
Runtime	9 h	30 h	140 h	120 h	400 h	200 h
Drop Test	1.5m					
Waterproof	IPX6					

LED Camping Lantern

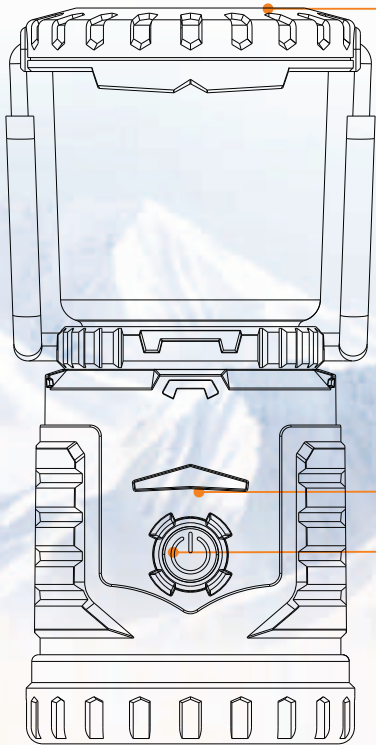
» L2R



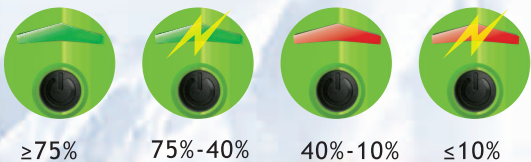
- **Size:** 68*57*135mm
- **Weight:** 201g(w/o battery)
- **Battery:** 3.7V 4000mAh rechargeable lithium -polymer battery
- **LED:** Cree XB-D White light LED & high brightness Red LED*2
- **Working voltage:** DC 3.7V
- **Operation:** Press and hold for 3 seconds to switch between white light and red light
White light mode: once press High-Medium-Low-SOS-OFF
Red light mode: once press for High-Flashing-OFF
Switch off the light if it stays at any mode for over 3 seconds
- **Battery indicator:** Recharging: Green-Full Charged; Red-Recharging.
Low voltage protection: Auto OFF if low Battery
Lighting: Green>75%;Green Flashing 75%-40%; Red 40%-10%;Red Flashing<10%.



RECHARGEABLE



Bottom Hook for Hanging



Battery Level Indicator

Switch

Output:5V/1A
Micro 5P USB Port for Recharging



L2R	Brightness Levels	Output (Lm)	Intensity (Cd)	Distance (m)	Burn-time (h)
White Light XP-G/2 S3	HIGH	330	125	22.4	17
	MED	136	51	14.3	34
	LOW	28	11	6.6	150
	SOS	35	12	6.9	168
Red Light	HIGH	0.75	0.5	1.4	168
	2Hz FLASHING	0.75	—	—	400

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	200 Lumen	80 Lumen	11 Lumen	N/A	2 Lumen	N/A
Distance	19m	11m	4m	N/A	N/A	N/A
Intensity	90cd	60cd	12cd	N/A	N/A	N/A
Runtime	18h	56h	319h	490h	480h	720h
Drop Test	1.5m					
Waterproof	IPX6					

LED Headlamp

» HP2A



Operation

Light(Front):
White LED Cycles Through High-Med-Low-SOS-OFF
Red LED Cycles Through High-2Hz Flashing-OFF
(Press&Hold 3Seconds to Activate Red LED)
(Once Press OFF if Lamp Stays At Any Mode for Over 3 Seconds)
Light(Rear): Red High-Fashing-OFF

LED

CREE XP-G S3 Cool white +5mm high brightness red

Working Voltage

DC 4.5V

Battery

AAA battery*3

Size

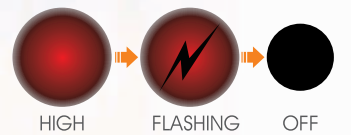
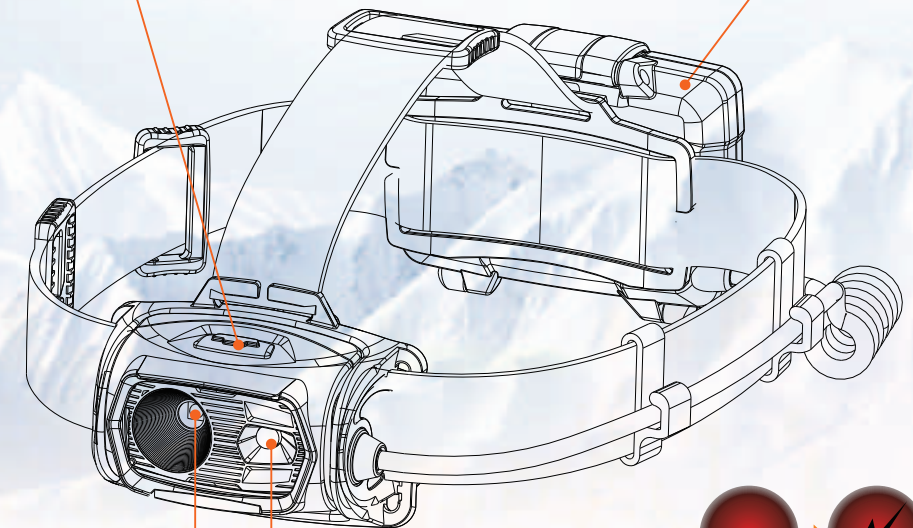
Headlamp Size:71.5*45.0*38.5mm
Battery holder Size:77.5*61.5*32.0mm

Weight

120g(w/o batteries) 180g(w/ batteries)

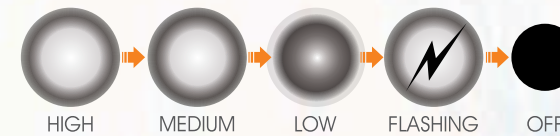
Switch (White&Red)

Battery Case



Φ5mm red LED

White LED (CREE)



Beam Angle 45° Adjustable

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	268 Lumen	136 Lumen	30 Lumen	23 Lumen	1 Lumen	N/A
Distance	130m	92m	42m	N/A	5 m	N/A
Intensity	4250 cd	2103 cd	445 cd	N/A	6 cd	N/A
Runtime	14h	30h	80 h	70h	150 h	480 h
Drop Test	1.5m					
Waterproof	IPX6					

LED Headlamp

» HP2A-S



IR SENSOR CONTROL

Operation

ONCE press to cycle through WHITE HIGH>MEDIUM>LOW>FLASHING>RED ON>RED FLASH>OFF
(Press and hold for 3 seconds at any mode to active IR Sensor Control,Hand-wave to Switch,and Once Press for back to normal mode)
(Press OFF if lamp stays at any mode for over 3 seoconds)

LED

Led1:CREE XP-G S3 white light
Led2:Φ5.0mm ultra-bright red light

Working Voltage

DC 4.5V

Battery

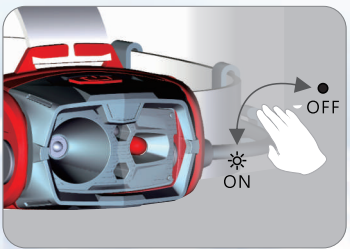
AAA battery*3

Size

Headlamp Size:71.5*45.0*38.5mm
Battery holder Size:77.5*61.5*32.0mm

Weight

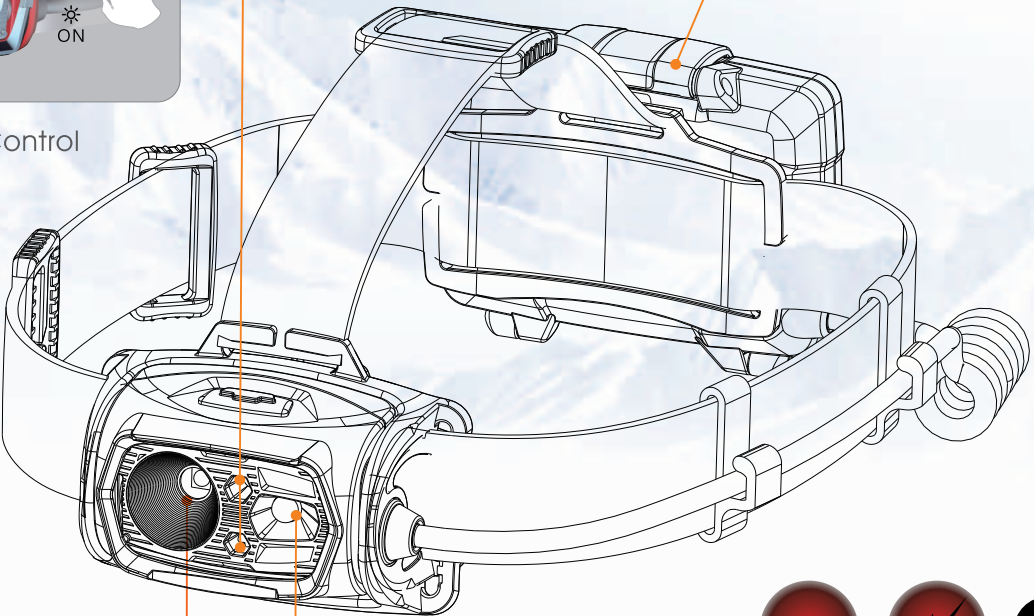
120g(w/o batteries) 180g(w/batteries)



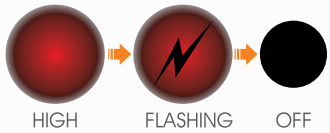
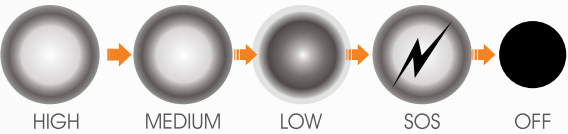
Gesture Control

Sensors

Battery Case



White LED (CREE)



Φ5mm red LED



Beam Angle 45° Adjustable

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	268 Lumen	136 Lumen	30 Lumen	23 Lumen	1 Lumen	N/A
Distance	130 m	92 m	42 m	37m	5 m	N/A
Intensity	4250 cd	2103cd	445cd	350 cd	6 cd	N/A
Runtime	14 h	30 h	80 h	70h	150 h	480 h
Drop Test	1.5m					
Waterproof	IPX6					

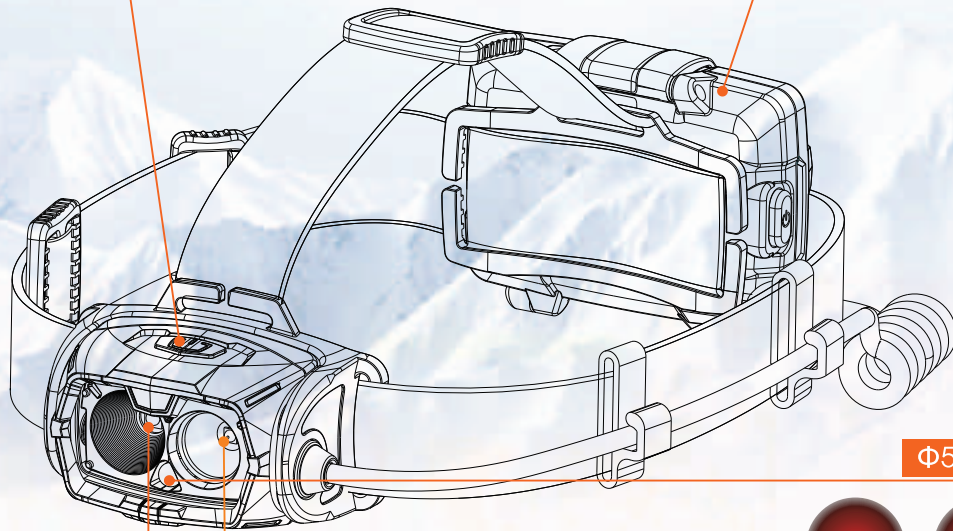
LED Headlamp

» HP2A-W



Switch (White&Red)

Battery Case



Φ5mm red LED



Cool White (CREE)

Warm White LED (Flood Beam)



Operation	Lights(Front): Once Press to Cycle Through Cool White High-Med-Low-SOS-Warm White Med-Low-OFF (Press&Hold 3 Seconds to Activate Red and Cycle Through High-2Hz Flashing-OFF) (Once Press OFF if Lamp Stays At Any Mode for Over 3 Seconds) Light (Rear): Red High-Flashing- OFF	
LED	CREE/XP-G Cool White+CREE/XB-D Warm White+5mm High Brightness Red	
Working Voltage	DC 4.5V	
Battery	AAA battery*3	
Size	Headlamp Size:71.5*45.0*38.5mm Battery holder Size:77.5*61.5*32.0mm	
Weight	120g(w/o batteries) 180g(w/batteries)	

	WHITE LIGHT				WARM WHITE		RED	LIGHT
	High	Medium	Low	SOS	Medium	Low	High	Flashing
Output	268 Lumen	136 Lumen	30 Lumen	N/A	74 Lumen	16 Lumen	1 Lumen	N/A
Distance	130m	92m	42m	37m	41m	18m	5 m	N/A
Intensity	4250cd	2103 cd	410 cd	350cd	420 cd	77cd	6 cd	6 cd
Runtime	14 h	30 h	80 h	70 h	33 h	89 h	150 h	480 h
Drop Test	1.5m							
Waterproof	IPX6							

LED Headlamp

» HP2R



RECHARGEABLE



Battery indicator

Recharging: Green- Full Charged; Red-Recharging
(Low voltage protection: Auto OFF if Low Battery)
Lighting: Green>60%;Red 30%-60%;Red Flashing<30%.

Operation

Lights(Front):
Once Press to Cycle Through Cool White High-Med-Low-SOS-OFF
(Press&Hold 3 Seconds to Activate Red and Cycle Through High-2Hz Flashing-OFF)
(Once Press OFF if Lamp Stays At Any Mode for Over 3 Seconds)
Light (Rear): Red High-Flashing- OFF

LED

Led1:CREE XP-G white light
Led2:Φ5.0mm ultra-bright red light

Rated Voltage

3.7V

Battery

Li-ion Polymer 2000mAh

Size

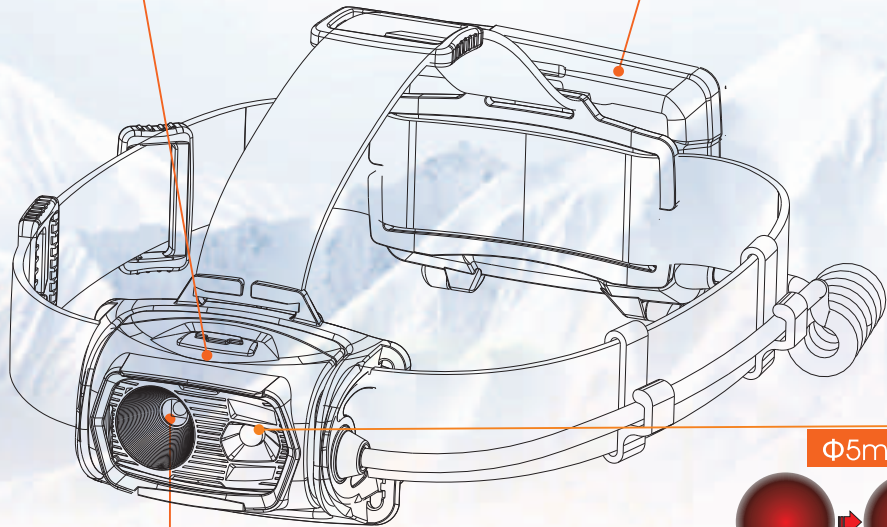
Headlamp Size:71.5*45.0*38.5mm
Battery holder Size:77.5*61.5*32.0mm

Weight

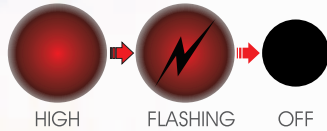
164g(w/ batteries)

Switch (White&Red)

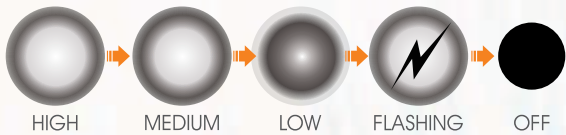
Battery Case



Φ5mm red LED



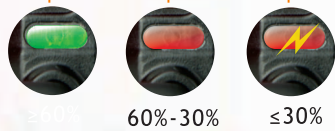
White LED (CREE)



USB Recharging



Battery Level Indicator



Beam Angle 45° Adjustable

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	251 Lumen	130 Lumen	25 Lumen	N/A	1 Lumen	N/A
Distance	127 m	90 m	40 m	35 m	5 m	N/A
Intensity	4060 cd	2020 cd	410 cd	310 cd	6 cd	6 cd
Runtime	8 h	21 h	60 h	75 h	88 h	310 h
Drop Test	1.5m					
Waterproof	IPX6					

LED Headlamp

HP2R-S



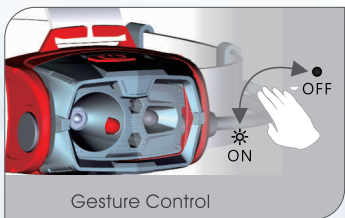
IR SENSOR
CONTROL



RECHARGEABLE

Battery indicator	Recharging: Green-Full Charged; Red-Recharging (Low voltage protection: Auto OFF if Low Battery) Lighting: Green>60%;Red 30%-60%;Red Flashing<30%.
Operation	Once Press to Cycle Through WHITE HIGH> MEDIUM> LOW> FLASHING> RED ON> RED FLASH> OFF (Press and hold for 3 seconds at any mode to active IR Sensor Control, Hand-wave to Switch, and Once Press for back to normal mode) (Press OFF if lamp stays at any mode for over 3 seconds)
LED	Led1:CREE XP-G white light Led2:Φ5.0mm ultra-bright red light
Rated voltage	3.7V
Battery	Li-ion Polymer 2000mAh
Size	Headlamp Size:71.5*45.0*38.5mm Battery holder Size:77.5*61.5*32.0mm
Weight	164g(w/ batteries)

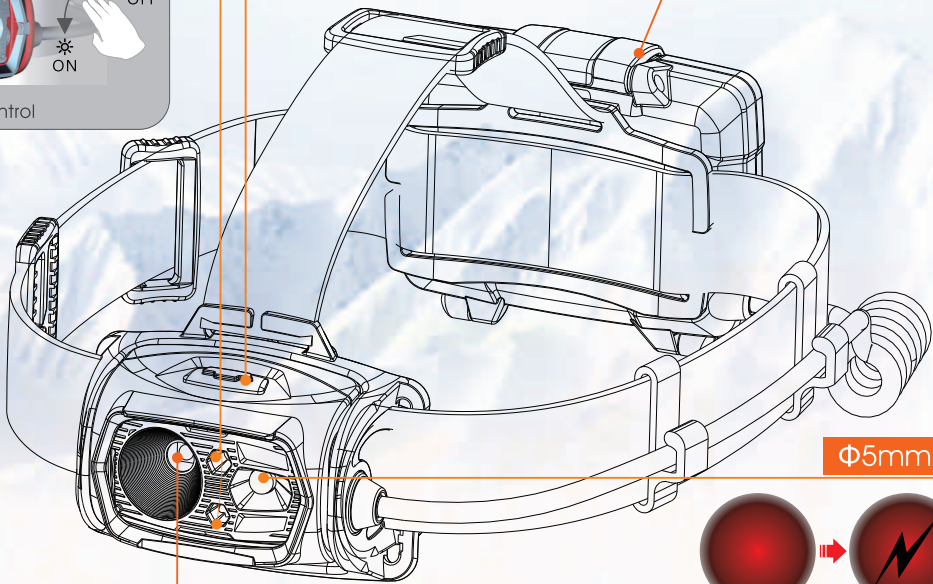
Sensors



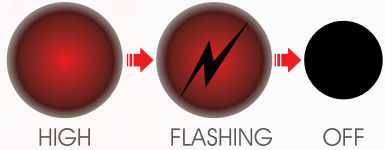
Gesture Control

Switch (White&Red)

Battery Case



Φ5mm red LED

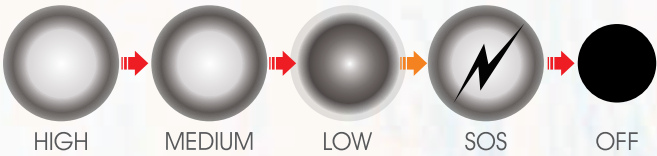


HIGH

FLASHING

OFF

White LED (CREE)



HIGH

MEDIUM

LOW

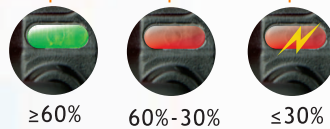
SOS

OFF

USB Recharging



Battery Level Indicator



≥60%

60%-30%

≤30%



Beam Angle 45° Adjustable

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	251 Lumen	130 Lumen	25 Lumen	N/A	1 Lumen	N/A
Distance	127m	90m	40m	35m	5 m	N/A
Intensity	4060cd	2020cd	410cd	310cd	6 cd	6 cd
Runtime	8h	21h	60h	75h	88 h	310 h
Drop Test	1.5m					
Waterproof	IPX6					

LED Headlamp

» HP2R-W



RECHARGEABLE



Battery indicator

Recharging: Green- Full Charged; Red-Recharging
(Low voltage protection: Auto OFF if Low Battery)
Lighting: Green>60%;Red 30%-60%;Red Flashing<30%.

Operation

Lights(Front):Once Press to Cycle Through Cool White High-Med-Low-SOS-OFF
(Press&Hold 3 Seconds to Activate Red and Cycle Through High-2Hz Flashing-OFF)
(Auto-OFF if Low Battery)
Light (Rear): Red High-Flashing- OFF

LED

CREE/XP-G COOL White+CREE/XB-D Warm White+5mm High Brightness Red

Rated voltage

3.7V

Battery

Li-ion Polymer 2000mAh

Size

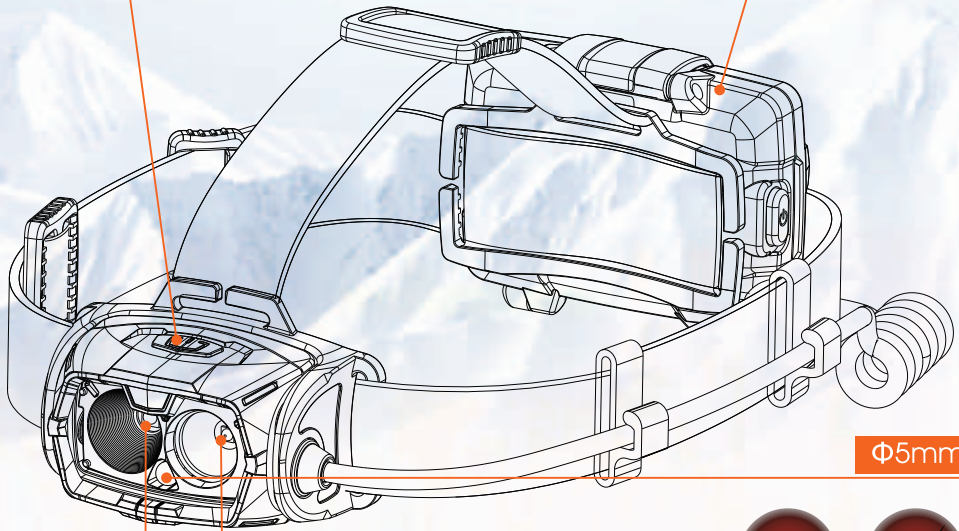
Headlamp Size:71.5*45.0*38.5mm
Battery holder Size:77.5*61.5*32.0mm

Weight

164g(w/ batteries)

Switch (White&Red)

Battery Case



Φ5mm red LED

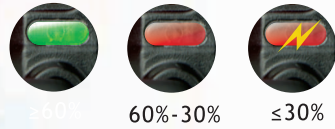
Cool White (CREE)

Warm White LED (Flood Beam)



Beam Angle 45° Adjustable

Battery Level Indicator



	WHITE LIGHT				WARM WHITE		RED	LIGHT
	High	Medium	Low	SOS	Medium	Low	High	Flashing
Output	251 Lumen	130 Lumen	25 Lumen	N/A	70 Lumen	14 Lumen	1 Lumen	N/A
Distance	127 m	90 m	40 m	35 m	40 m	19 m	5 m	N/A
Intensity	4060 cd	2020 cd	410 cd	310 cd	402 cd	87 cd	6 cd	6 cd
Runtime	10 h	21 h	60 h	75 h	29 h	83 h	88 h	310 h
Drop Test	1.5m							
Waterproof	IPX6							

LED Headlamp

» HP1R

Switch (White&Red)

White LED

Φ3mm red LED

Clip for Cap

Φ3mm red LED



White/Red LED



Beam Angle Adjustable

	WHITE LIGHT			RED LIGHT	
	High	Low	SOS	High	Flashing
Output	38 Lumen	6 Lumen	17 Lumen	4 Lumen	N/A
Distance	65 m	26 m	N/A	8 m	N/A
Intensity	1080 cd	17 cd	N/A	55cd	N/A
Runtime	9 h	23 h	23h	9 h	45 h
Drop Test	1.5m				
Waterproof	IPX5				

Colors



Operation

ONCE press to cycle through WHITE HIGH> LOW> SOS>OFF
Press and hold for 3 seconds to active RED ON and ONCE press for RED FLASHING>OFF
(Press OFF if lamp stays at any mode for over 3 seconds)

LED

Cool White LED& Φ3mm high brightness red LED

Working voltage

DC 6V

Battery

CR 2032 battery*2

Size

39*37*25mm

Weight

23.5g(w/o battery)



LED Headlamp

» HP3A-S



» HP3A



» HP3A-S/HP3A

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	168 Lumen	75 Lumen	10 Lumen	N/A	N/A	N/A
Distance	110m	65m	9m	N/A	8 m	N/A
Intensity	4270cd	1970cd	310cd	N/A	N/A	N/A
Runtime	30h	55h	120h	N/A	80h	N/A
Drop Test	1.5m					
Waterproof	IPX6					

Colors



» HP3A-S

Operation	WHITE LED cycles through HIGH> MEDIUM> LOW> SOS> OFF RED LEDs cycle through ON> FLASHING> OFF (Press OFF if lamp stays at any mode for over 3 seconds) (Press& Hold to activate Sensor Motion Controlled Mode and Sensor Indicator Light On, Hand-Wave to Switch; Once Press the button to Switch OFF Sensor Mode)
LED	CREE/XP-G Cool white LED & 2Φ5mm high brightness red LED
Working voltage	DC 4.5V
Battery	AAA battery*3
Size	62*37*48mm
Weight	50g(w/o battery)

» HP3A

Operation	WHITE LED cycles through HIGH> MEDIUM> LOW> SOS> OFF RED LEDs cycle through ON> FLASHING> OFF (Press OFF if lamp stays at any mode for over 3 seconds)
LED	CREE/XP-G Cool white LED & Φ5mm high brightness red LED
Working voltage	DC 4.5V
Battery	AAA battery*3
Size	62*37*48mm
Weight	50g(w/o battery)



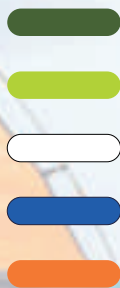
LED Headlamp

» HP1A

- **Size:** 64.5*29*32.5mm
- **Weight:** 35g(w/o battery)
- **Battery:** AA battery*1
- **Working voltage:**DC 1.5V
- **LED:** CREE cool white XP-E LED&5mm high brightness red LED
- **Operation:** ONCE press to cycle through WHITE HIGH> MED> LOW> SOS> OFF
Press and hold for 3 seconds to active RED ON and ONCE press for RED FLASHING> OFF
(Press OFF if lamp stays at any mode for over 3 seconds)

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	125 Lumen	44 Lumen	7 Lumen	11 Lumen	N/A	N/A
Distance	59 m	36 m	13 m	N/A	5 m	N/A
Intensity	870 cd	330 cd	43 cd	N/A	N/A	N/A
Runtime	8 h	18 h	60 h	N/A	80 h	N/A
Drop Test	1.5m					
Waterproof	IPX6					

Colors



LED Headlamp

» H3AV

White LED

Easy Dis-assembling
for carriage



Tactical Button for
Modes Cycling

	High	Medium	Low	SOS
Output	165 Lumen	74 Lumen	10 Lumen	20 Lumen
Distance	96m	62m	24m	N/A
Intensity	2300cd	960cd	150cd	N/A
Runtime	7.5h	18h	75h	N/A
Drop Test	1.5m			
Waterproof	IPX6			

Size: Φ32.5*69mm
Weight: 115g(w/o battery)
LED: CREE XP-E cool white LED
Battery: AAA batteries*3
Working Voltage: DC 4.5V
Operation:
Once press the button to cycle through CREE White High>Medium>Low>SOS>OFF

SHADOW EXPLORER



Aluminum Headlamp

» H1LC



Easy Dis-assembling for carriage

White CREE T6 LED

Charging indicator



USB Recharging



RECHARGEABLE

	High	Medium	Low	SOS
Output	660 Lumen	220 Lumen	29 Lumen	60 Lumen
Distance	87m	55m	18m	N/A
Intensity	1900 cd	760cd	80cd	N/A
Runtime	6h	16h	43h	40h
Drop Test	1.5m			
Waterproof	IPX6			

Size: Φ 31*105mm
Weight: 135g(w/o battery)
LED: XM-L T6 cool white LED
Battery: 3.7V 2600mAh 18650 rechargeable battery*1
Rated Voltage: DC 3.7V
Operation:
Once press the button to cycle through CREE White High>Medium>Low>SOS>OFF

Split LED Headlamp

» HS1L



Battery

White LED

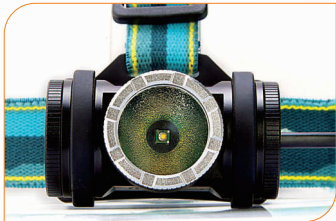
Easy Dis-assembling for carriage

	High	Medium	Low	SOS
Output	655 Lumen	280 Lumen	30 Lumen	60 Lumen
Distance	180m	110m	45m	N/A
Intensity	8110cd	3050cd	510cd	N/A
Runtime	8 h	20h	75h	N/A
Drop Test	1.5m			
Waterproof	IPX6			

Size: Φ31*105mm
Weight: 192g(w/o battery)
LED: XM-L cool white LED
Battery: 3.7V 2600mAh 18650 rechargeable battery*1
Rated Voltage: 3.7V/DC 4.5V
Operation:
Once press the button to cycle through CREE White High>Medium>Low>SOS>OFF

Split LED Headlamp

» HS1LR



CREE XP-E cool white LED

	High	Medium	Low	SOS
Output	153 Lumen	63 Lumen	7 Lumen	15 Lumen
Distance	132m	84m	29 m	N/A
Intensity	4365cd	1800 cd	210 cd	N/A
Runtime	25 h	41h	180h	410h
Drop Test	1.5m			
Waterproof	IPX6			

Size: Lamp holder:Φ31*60mm
Battery case:Φ28*87mm
Weight: 192g(w/o battery)
LED: XP-E cool white LED
Battery: 3.7V 2600mAh 18650 rechargeable battery*1 or AAA batteries*3
Working Voltage: 3.7V/DC 4.5V
Operation:
Once press the button to cycle through CREE White High>Medium>Low>SOS>OFF

LED Headlamp

» H3A



White LED



» Magnet Control Switch for Modes Choosing

	High	Medium	Low	SOS
Output	165 Lumen	74 Lumen	10 Lumen	20 Lumen
Distance	96m	62 m	24m	N/A
Intensity	2300cd	960 cd	150cd	N/A
Runtime	7.5h	18h	75h	N/A
Drop Test	1.5m			
Waterproof	IPX6			

Size: Φ32.5*69mm
Weight: 115g(w/o battery)
LED: CREE XP-E cool white LED
Battery: AAA batteries*3
Working Voltage: DC 4.5V
Operation:
Rotate the Switch to choose CREE White High>Medium>Low>SOS>OFF

Emergency Safety Whistles
High-pitched

» W10

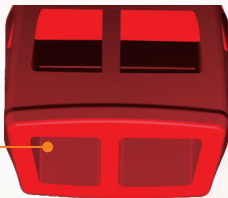


» W20

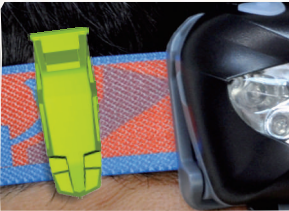


Size:72*20*17.5mm

Size:36*13*9mm



Dual Tubes Design

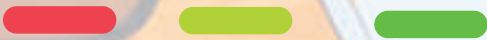


Perfect Match With Headband



With Lanyard and Clip
Easy for Carriage

Colors



Accessories

» Headbands



» Bicycle Mount



» Carabiners



» Rubber Lamp holder



» Lanyard



» Batteries

