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NEW CATALOG
2019

INTRODUCTION

RAYFALL TECHNOLOGY
PALOS ELECTROMECHANICAL

Rayfall's roots lie in the passion and love of its founders for the outdoor exploration. Ever since the beginning, we did all we can to offer the customers the best professional outdoor lighting products.

Currently we have many mature products selling in three main lines: Headlamps, Camping lanterns & EDC Flashlights, and we win a high reputation in the overseas market.

Upholding the concept of excellence and innovation, Rayfall has been committed to developing and producing outdoor lighting products for many years. We have a wide cooperation with professional outdoor testing team to get the most valuable first hand feedbacks to continuously make innovative outdoor lighting solutions.

All these contribute to the authenticity of the Company's brands, inspire product innovation and strengthen customer loyalty.



CONTENT



H40 Series
01

H40 \ H40S
H40R \ H40RS



H20 Series
03

H20 \ H20S
H20R \ H20RS



H30 Series
07

H301 \ H301R \ H301S
H301RS \ H301L \ H301RL
H302 \ H302R \ H302S
H302RS \ H302L \ H302RL



EH10 Series
11

EH10



EF10 Series
13

EF10



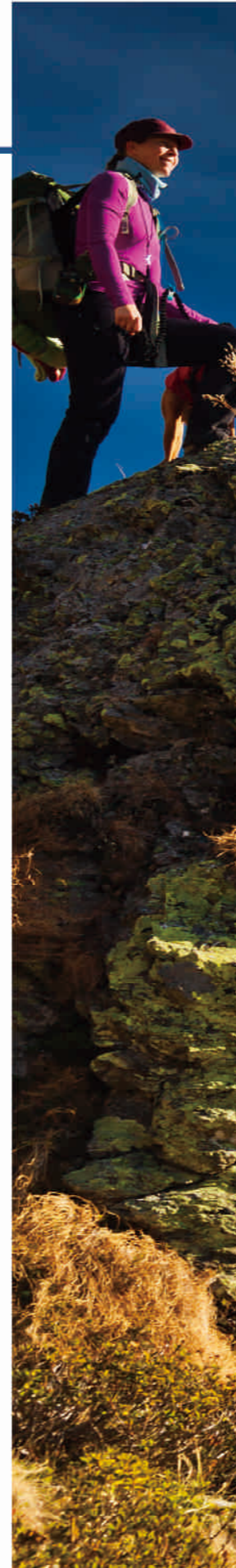
E20 Series
15

E20



H50 Series
17

H50 \ H50S



H10 Series
19

H101 \ H101S \ H101R \ H101D
H101RS \ H102 \ H102S
H102R \ H102RS \ H102D



HP2 Series
23

HP2A \ HP2AS \ HP2AW
HP2R \ HP2RS \ HP2RW



L4R Series
27

L4R



L3A Series
29

L3DA \ L3DRA \ L3RA



L3 Series
32

L3D \ L3DR \ L3R

L2A Series
35

L2AA \ L2ARA \ L2RA

L2 Series
38

L2A \ L2AR \ L2R

Others 41

Specifications in this catalogue are only for reference, products will be subject to the actual. Rayfall reserves the right to change the parameters without prior notice.



NEW FACTORY

In 2018, we moved from Shenzhen to Dongguan, with larger factory area and expanded production capacity.

MANUFACTORY

As a professional manufacturer, we got our own all-process production lines including: Plastic Injection, CNC, PCBA, Assembling, Packaging etc...



NEW



Focus control

H40 SERIES

HEADLAMP



H40



H40S



300 Lumens 8 h 4780 cd



Rechargeable IR sensor control Focus control



OPERATION INSTRUCTIONS

Switch 1

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

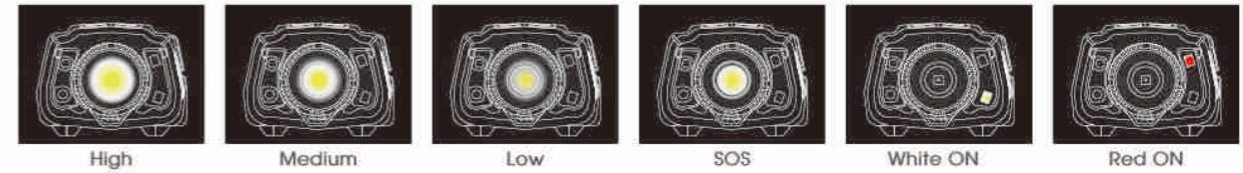
Once Press for OFF if Lamp Stays at Any Modes for over 3 Seconds
Press & Hold for Seconds to Activate Motion Sensor Controlled Mode
(Indicator Light ON, Single Press Any Switch for Backing to Normal Mode)

Switch 2

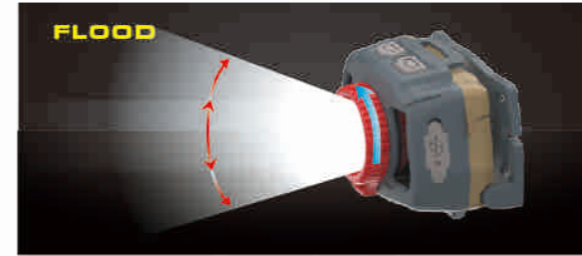
Once Press to Cycle Through Proximity WHITE ON - RED ON - RED Flashing - OFF
Once Press for OFF if Lamp Stays at Any Modes for over 3 Seconds
Press & Hold for Seconds to Activate Hand-wave Sensor Controlled Mode, Indicator Light ON, Hand-Wave for ON/OFF (Single Press Any Switch for Backing to Normal Mode)

H40-H40S Product specification

Size:	65.0 x 48.7 x 44.8mm
Weight:	non-rechargeable: 48g(w/o battery); 81.5g(w/battery)
	rechargeable: 68.8g(w/battery)
Battery:	non-rechargeable: AAA x 3 rechargeable: 3.7V 900mAh Li-polymer
LED:	CREE XP-G/2 Cool White SMD2835 White & Red
Drop Test:	1.5m
Waterproof:	IPX6



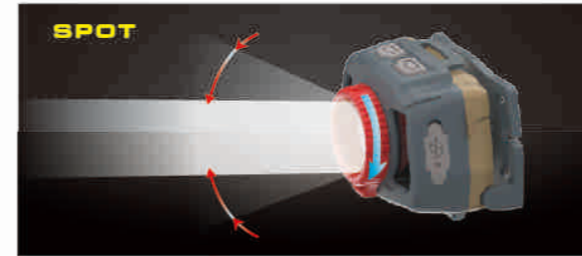
High Medium Low SOS White ON Red ON



Focus Control



IR sensor control
Press & Hold for Seconds to Activate Sensor Controlled Mode
(only for models with IR Sensors)



Focus Control



• Charging Indicator
• Battery Level Indicator

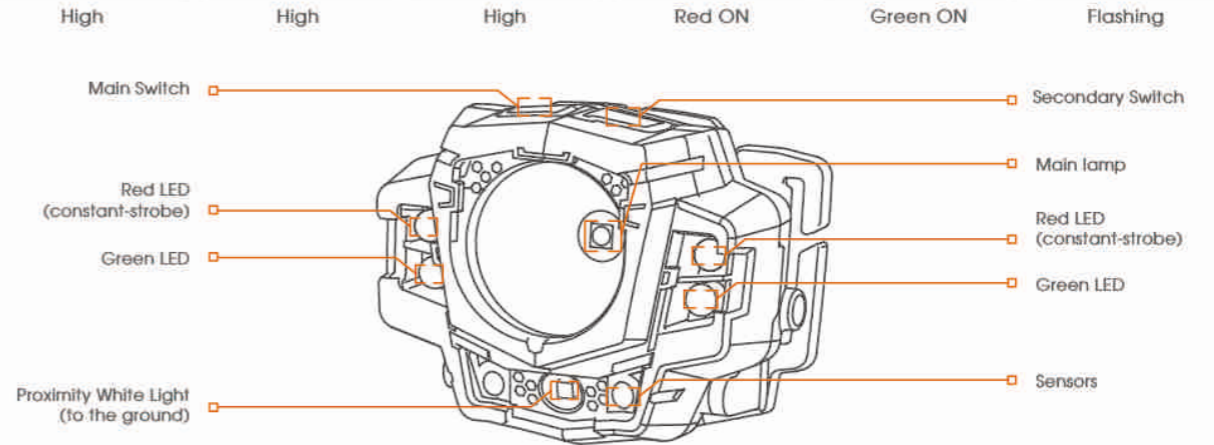
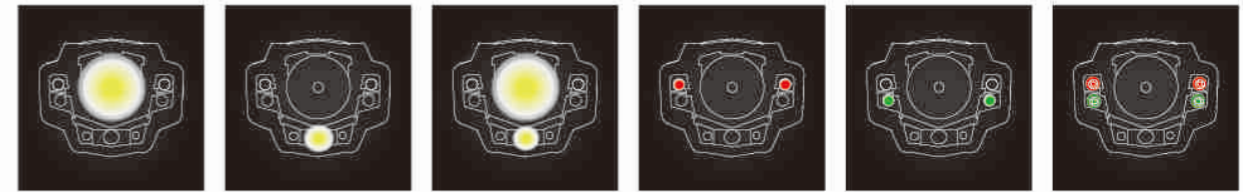
SPECIFICATIONS (ANSI FL1 Standard)

H40R \ H40RS

	CREE XP-G LED WHITE LIGHT				AUXILIARY LIGHT	RED LIGHT		
	High	Medium	Low	SOS	High	High	2Hz Flashing	
Output	300 Lumens	122 Lumens	12 Lumens	N/A	12 Lumens	2 Lumens	N/A	
Distance	138 m	84 m	30 m	41 m	8 m	4 m	4 m	
Intensity	4780 cd	1780 cd	220 cd	410 cd	14 cd	3 cd	3 cd	
Runtime	7 h	14 h	56 h	42 h	36 h	48 h	135 h	
Drop Test	1.5 m							
Waterproof	IPX6							

H40 \ H40S

	CREE XP-G LED WHITE LIGHT				AUXILIARY LIGHT	RED LIGHT		
	High	Medium	Low	SOS	High	High	2Hz Flashing	
Output	250 Lumens	105 Lumens	13 Lumens	N/A	15 Lumens	2 Lumens	N/A	
Distance	131 m	81 m	28 m	40 m	9 m	4 m	4 m	
Intensity	4300 cd	1620 cd	195 cd	395 cd	18 cd	3 cd	3 cd	
Runtime	8 h	28 h	75 h	48 h	48 h	80 h	180 h	
Drop Test	1.5 m							
Waterproof	IPX6							



H2O SERIES

HEADLAMP



OPERATION INSTRUCTIONS

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 - SOS

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)



Main & proximity white



Distance sensor



IR sensor control



Beam angle



Rechargeable

H2O - H2ORS Product specification

Size:	Lamp: 65.5 x 53.5 x 40.5mm Battery Case: 96.0 x 50.0 x 32.0mm (rechargeable) 77.5 x 61.5 x 25.5mm (dry batteries)
Weight:	non-rechargeable: 148.8g(w/o battery); 218.5g(w/battery) rechargeable: 203.6g(w/battery)
Battery:	non-rechargeable: AA x 3 rechargeable: 3.7V 3000mAh Li-polymer
LED:	CREE XP-G/2 Cool White CREE XB-D Cool White 5mm High Brightness Red & Green
Drop Test:	1.5m
Waterproof:	IPX6

H20\H2OR



H20S\H2ORS



H20S\H2ORS



H20\H2OR



Rear Red Light for Warning

Battery Level Indicator

USB Rechargeable



Rear Red Light for Warning

Alkaline AA Batteries x 3

Rear Red Light (rechargeable model)

Single Press the Switch Button on Battery Pack to Cycle Through FLASHING (mode 1)- FLASHING (mode 2)-CONSTANT-OFF

Rear Red Light (non rechargeable model)

Single Press the Switch Button on Battery Pack to Cycle Through RED CONSTANT - FLASHING - OFF

Battery Level Indicator (Battery Pack Switch Color Shows)

While the Lamp ON: GREEN : 50% above ; RED : 50%-25%; RED FLASH : 25% Below
 While Charging: GREEN : Full Recharged; RED : Recharging



1&2 Distance Sensor Controlled Lighting output change according to distance.

3 Hand wave Controlled Hand-wave for ON/OFF or modes switching.



IPX6 Waterproof, no need to worry about even heavy rain.
High impact resistance to fall 1.5-2m

SPECIFICATIONS (ANSI FL1 Standard)

H20\H20S

	MAIN LAMP				PROXIMITY LAMP		RED LIGHT		GREEN LIGHT		RED&GREEN 4HZ FLASHING
	High	Medium	Low	SOS	High	Low	High	Flashing	High	Flashing	
Output	300 Lumens	95 Lumens	32 Lumens	N/A	110 Lumens	N/A	2 Lumens	N/A	3 Lumens	N/A	N/A
Distance	193 m	110 m	66 m	85 m	16 m	5 m	11 m	N/A	16 m	16 m	N/A
Intensity	9300 cd	3010 cd	1100 cd	1050 cd	60 cd	6 cd	32 cd	N/A	61 cd	61 cd	N/A
Runtime	22 h	43 h	110 h	120 h	55 h	220 h	190 h	280 h	360 h	430 h	430 h
Drop Test	1.5 m										
Waterproof	IPX6										

H20R\H20RS

	MAIN LAMP				PROXIMITY LAMP		RED LIGHT		GREEN LIGHT		RED&GREEN 4HZ FLASHING
	High	Medium	Low	SOS	High	Low	High	Flashing	High	Flashing	
Output	350 Lumens	110 Lumens	40 Lumens	N/A	100 Lumens	11 Lumens	2 Lumens	N/A	4 Lumens	N/A	N/A
Distance	226.3 m	121.3 m	72.7 m	71.3 m	16.7 m	5.3 m	11.8 m	N/A	16.1 m	N/A	N/A
Intensity	12800 cd	1600 cd	400 cd	N/A	8 cd	N/A	8 cd	N/A	8 cd	N/A	N/A
Runtime	10 h	21 h	82 h	85 h	26 h	180 h	150 h	215 h	218 h	320 h	320 h
Drop Test	1.5 m										
Waterproof	IPX6										

Models	H20R	H20RS	H20	H20S
Rechargeable	√			
Batteries	Li - Polymer Battery 3000mAh		Alkaline Battery AA x 3	
Hand-wave IR Sensor		√		√
Distance IR Sensor		√		
LED Light Source	CREE XP-G/2 Cool White CREE XB-D Cool White 5mm High Brightness Red & Green			
Max Output	350Lm		300Lm	
Weight	203.6g(w/battery)		48.8g(w/o battery) ; 218.5g(w/battery)	
Lamp Dimension	65.5 x 53.5 x 40.5mm			
Battery Case	96.0 x 50.0 x 32.0mm		77.5 x 61.5 x 25.5mm	
Resistance to Fall	1.5m			
Water Resistance	IPX6			





H30 SERIES

HEADLAMP



OPERATION INSTRUCTIONS

Switch 1

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

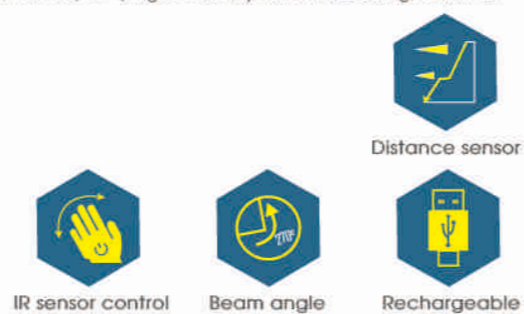
Once Press for OFF if Lamp Stays at Any Modes for over 3 Seconds
Press & Hold for Seconds to Activate Motion Sensor Controlled Mode (Indicator Light ON, Single Press Any Switch for Backing to Normal Mode)

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)

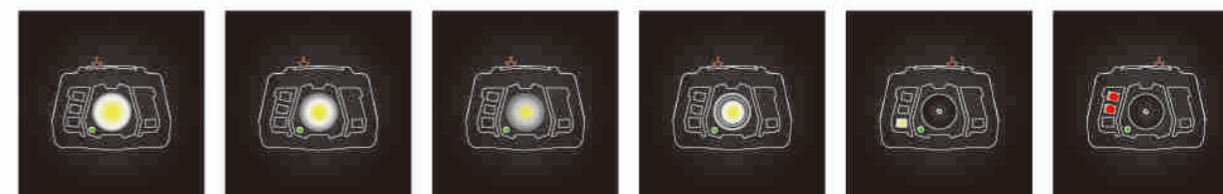
Switch 2

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 Model)



H301 - H302RL Product specification

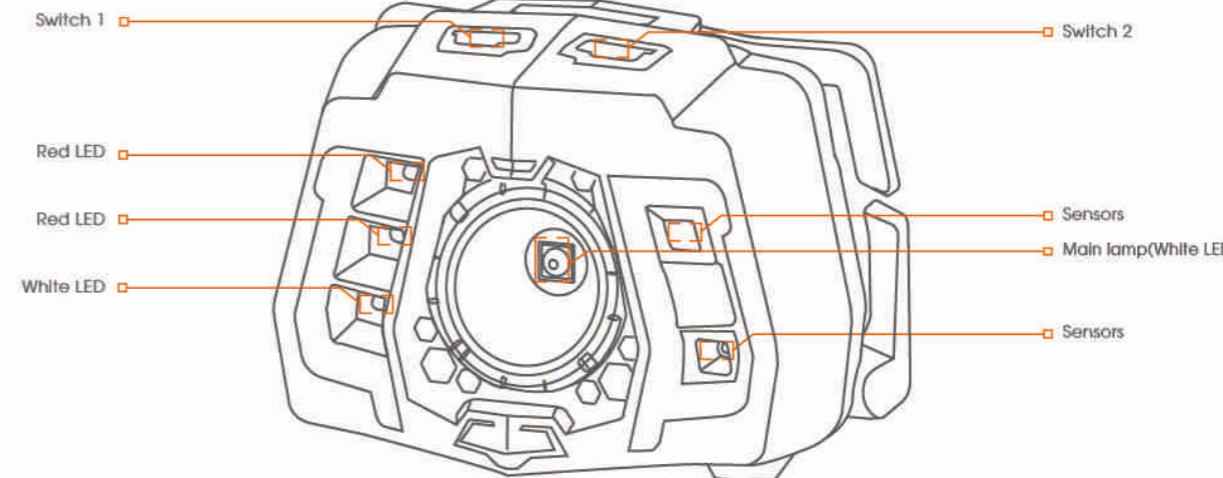
Size:	65.0 x 49.0 x 42.0mm
Weight:	non-rechargeable: 46.5g(w/o battery); 80g(w/battery) rechargeable: 68.5g(w/battery)
Battery:	non-rechargeable: AAA x 3 rechargeable: 3.7V 900mAh Li-polymer
LED:	CREE XP-G Cool White SMD2835 White & Red
Drop Test:	1.5m
Waterproof:	IPX6



High Medium Low SOS White ON Flashing



Red ON

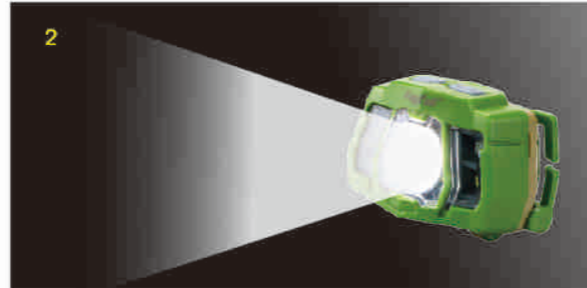


USB Rechargeable

High quality silicone button



Batteries: Alkaline Battery AAA x 3



1&2 : Ambient Light Sensor Controlled
Lighting output changed according to ambient light

3&4 : Distance Sensor
Lighting output change according to distance

5: Hand wave Sensor Controlled
Hand wave for ON/OFF or modes switching

H301R\H301RL\H301RS

	CREE XP-G LED WHITE LIGHT				AUXILIARY LIGHT	RED LIGHT	
	High	Medium	Low	SOS	High	High	2Hz Flashing
Output	300 Lumens	122 Lumens	12 Lumens	N/A	12 Lumens	2 Lumens	N/A
Distance	138 m	84 m	30 m	41 m	8 m	4 m	4 m
Intensity	4780 cd	1780 cd	220 cd	410 cd	14 cd	3 cd	3 cd
Runtime	7 h	14 h	56 h	42 h	36 h	48 h	135 h
Drop Test	1.5 m						
Waterproof	IP X 6						

H302\H302L\H302S

	CREE XP-G LED WHITE LIGHT				AUXILIARY LIGHT	RED LIGHT	
	High	Medium	Low	SOS	High	High	2Hz Flashing
Output	240 Lumens	100 Lumens	12 Lumens	N/A	15 Lumens	2 Lumens	N/A
Distance	47 m	31 m	12 m	17 m	9 m	4 m	4 m
Intensity	560 cd	233 cd	37 cd	70 cd	18 cd	3 cd	3 cd
Runtime	8 h	28 h	75 h	75 h	48 h	80 h	180 h
Drop Test	1.5 m						
Waterproof	IP X 6						

H302R\H302RL\H302RS

	CREE XP-G LED WHITE LIGHT				AUXILIARY LIGHT	RED LIGHT	
	High	Medium	Low	SOS	High	High	Flashing
Output	290 Lumens	117 Lumens	11 Lumens	N/A	12 Lumens	2 Lumens	N/A
Distance	52 m	34 m	12 m	17 m	8 m	4 m	4 m
Intensity	675 cd	294 cd	36 cd	70 cd	14 cd	3 cd	3 cd
Runtime	7h	14 h	56 h	42 h	36 h	48 h	135 h
Drop Test	1.5 m						
Waterproof	IP X 6						

SPECIFICATIONS (ANSI FL1 Standard)

H301\H301L\H301S

	CREE XP-G LED WHITE LIGHT				AUXILIARY LIGHT	RED LIGHT	
	High	Medium	Low	SOS	High	High	2Hz Flashing
Output	250 Lumens	105 Lumens	13 Lumens	N/A	15 Lumens	2 Lumens	N/A
Distance	131 m	81 m	28 m	40 m	9 m	4 m	4 m
Intensity	4300 cd	1620 cd	195 cd	395 cd	18 cd	3 cd	3 cd
Runtime	8 h	28 h	75 h	48 h	48 h	80 h	180 h
Drop Test	1.5 m						
Waterproof	IP X 6						

Models	H301	H302	H301S	H302S	H301L	H302L	H301R	H302R	H301RS	H302RS	H301RL	H302RL
Rechargeable												√
Battery	AAA x 3						3.7V/900mA/h					
Hand-wave IR Sensor			√	√					√	√		
Distance IR Sensor									√	√		
Ambient Light Sensor					√	√					√	√
LED Light Source	CREE XP-G Cool White SMD2835 White & Red											
Max Output	250Lm						300Lm					
Weight	46.5g(w/o battery) ; 80g(w/battery)						68.5g(w/ battery)					
Dimension	65.0 x 49.0 x 42.0mm											
Resistance to Fall	1.5m											
Water Resistance	IPX6											



EH10

Wrist & Head Lamp

OPERATION INSTRUCTIONS

SW1: Main White High - Low - White Flash - Red Flash - Red SOS - Red High - OFF
 SW2: Side White High - Low - White&Red Flash - OFF

Battery Level Indicator:
 When battery level less than 25%, Red light Flashes.
 While recharging: RED on; Full Recharged: GREEN on.



- 75 Lumens
- 8 h
- 35 cd
- Rechargeable

EH10 Product specification

Size:	34.0 x 37.0 x 24.5mm
Weight:	25.5g(w/ battery)
Battery:	3.7V 460mAh Li-polymer
LED:	SMD2835 White & Red
Drop Test:	3m
Waterproof:	IPX6



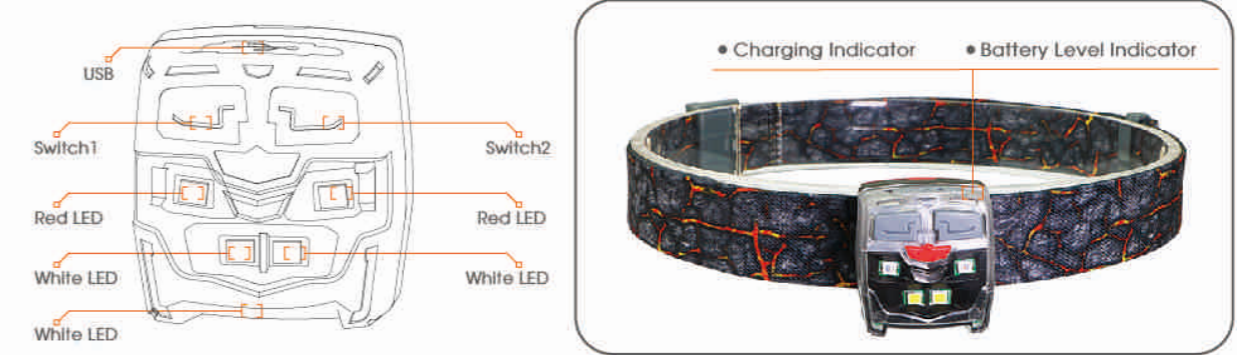
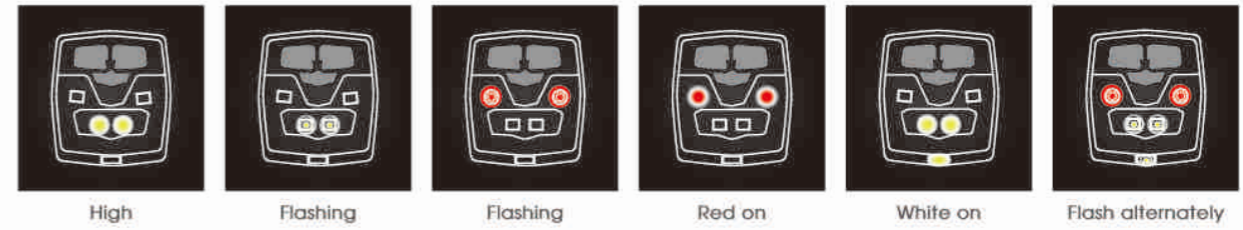
Operation instructions

Great for Night Running, Camping, Climbing, Reading, Car Repairing, Bicycling, Fishing, etc



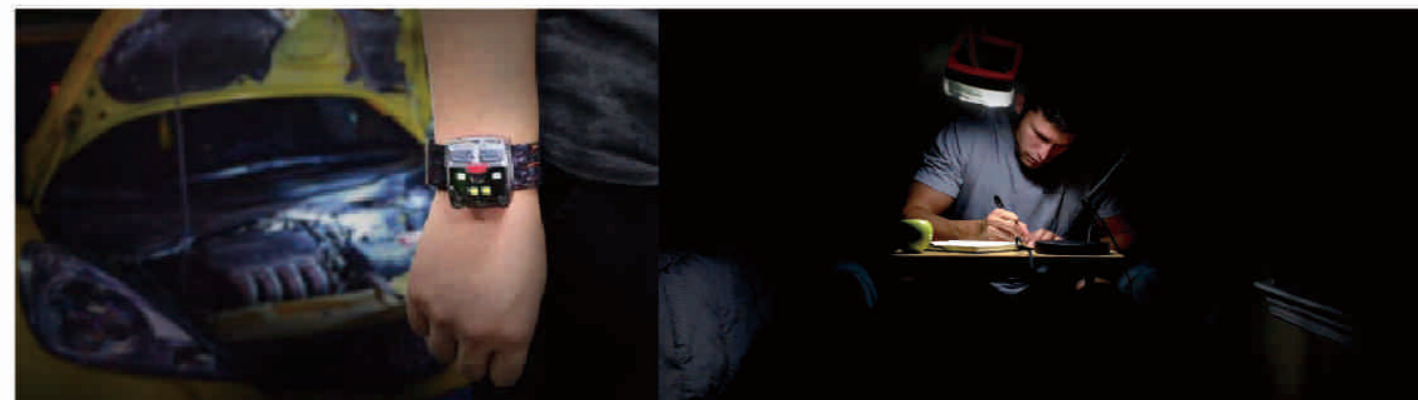
Product Features

Mini Size & Easy for Carry, 6 lighting modes for different applications



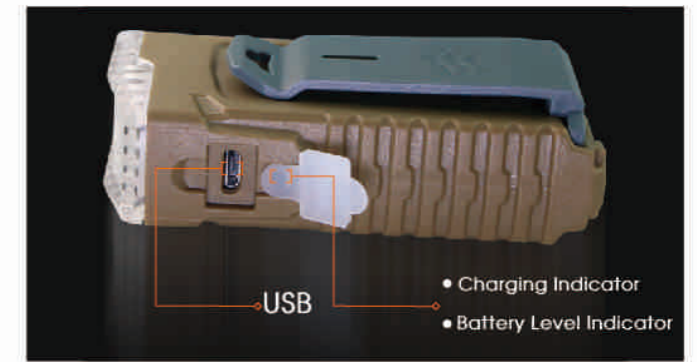
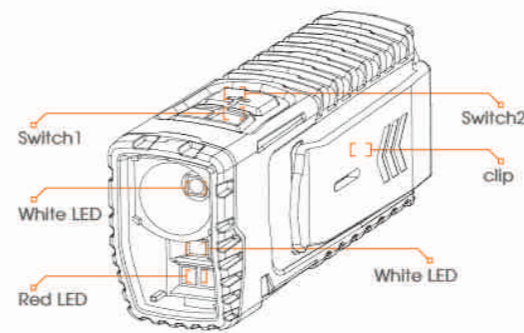
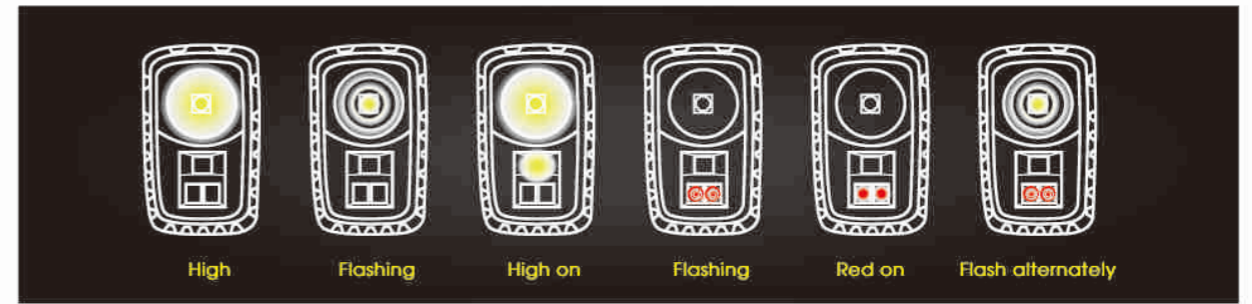
SPECIFICATIONS (ANSI FL1 Standard)

	Main WHITE LIGHT			RED LIGHT			Side WHITE LIGHT		
	High	Low	3Hz flash	3Hz flash	SOS	High	High	Low	Flash alternately
Output	75 Lumens	18 Lumens	75 Lumens	4 Lumens	4 Lumens	4 Lumens	48 Lumens	11 Lumens	N/A
Distance	11.8 m	6 m	9.8 m	3.1 m	3.1 m	3.1 m	9.4 m	4.7 m	N/A
Intensity	35 cd	9 cd	24 cd	2.4 cd	2.4 cd	2.4 cd	22 cd	5.5 cd	N/A
Runtime	8 h	30 h	15 h	43 h	26 h	28 h	12 h	42 h	23.5 h
Drop Test	3m								
Waterproof	IPX6								



Product Features

Easy for carriage, different lighting modes for wide applications



EF10
FLASHLIGHT

OPERATION INSTRUCTIONS

SW1: Main LED: High - Medium - Low - SOS - OFF
SW2: Proximity LED High - Red Flash - Red on - while&Red Flash - OFF

Battery Level Indicator:
Green: ≥ 50% RED: 25% - 50% Red Flashing: < 25%
While Recharging:
RED: Charging; Green: Full recharged

EF10



EF10

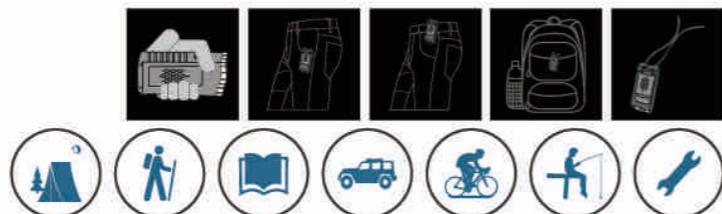


EF10 Product specification

Size:	85 x 27.5 x 40.0mm
Weight:	58.5g(w/ battery)
Battery:	3.7V 1000mAh Li-polymer
LED:	CREE XP-G/2 Cool White SMD2835 White & Red
Drop Test:	2.5m
Waterproof:	IPX6

Operation instructions

Great for Camping, Climbing, Reading, Car Repairing, Bicycling, Fishing, etc



SPECIFICATIONS (ANSI FL1 Standard)

	Main WHITE LED				Proximity WHITE	RED		Main WHITE & Red Flash
	High	Medium	Low	SOS	High	3Hz flash	Red on	
Output Lumens	200	120	13	27	50	4	4	N/A
Distance m	88	56	18	27	10	3.1	3.1	N/A
Intensity cd	1940	784	81	178	24	2.4	2.4	N/A
Runtime h	9	18	71	42	46	93	51	N/A
Drop Test	2.5m							
Waterproof	IPX6							



E20

EDC KEY RING LIGHT



OPERATION INSTRUCTIONS

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



E20 Product specification

Size:	61.0 x 22 x 11mm
Weight:	15g(w/battery)
Battery:	3.7V 160mAh Li-polymer
LED:	Nichia 5mm Cool White
Drop Test:	3m

E20

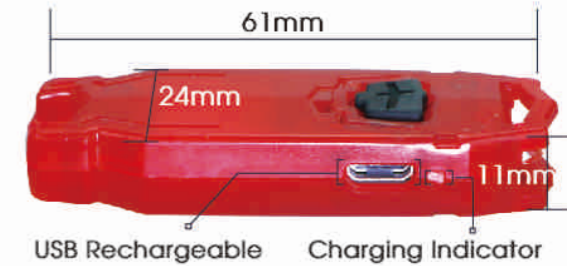
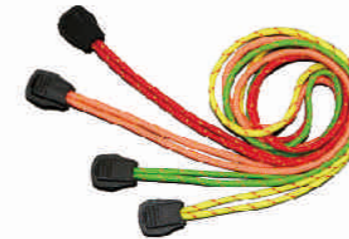


E20



Application

Great for Night Walking, EDC Light, Backpacking, Travelling, etc



SPECIFICATIONS

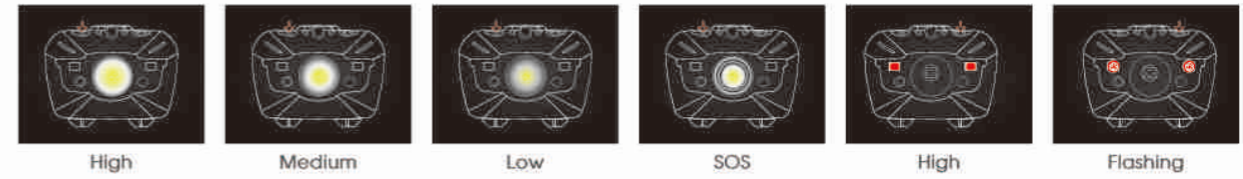
EDC KEY RING LIGHT
Easy to Attach Anywhere for Backpackers or Campers

ANSI FL1 Standard

Levels	Max Output(Lm)	Intensity(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

Light-weight, Mini Size, High Brightness, Easy for Carriage.





IR sensor control
Press & Hold for Seconds Activate Sensor Controlled Mode (only for models with IR Sensors)



H50 SERIES

HEADLAMP

OPERATION INSTRUCTIONS

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)



2 Separate Switches with Indicator

45 Degree Adjustable



H50-H50S Product specification

Size:	62.0 x 32.0 x 48.0mm
Weight:	50g(w/o battery); 84g(w/battery)
Battery:	AAA x 3
LED:	CREE XP-E/2 Cool White SMD2835 White & Red
Drop Test:	2m
Waterproof:	IPX6

SPECIFICATIONS (ANSI FL1 Standard)

H50\H50S

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	190 Lumens	86 Lumens	10 Lumens	22 Lumens	3 Lumens	N/A
Distance	130 m	92 m	29 m	45 m	3 m	3 m
Intensity	4300 cd	2120 cd	210 cd	500 cd	3 cd	3 cd
Runtime	10 h	50 h	120 h	150 h	80 h	120 h
Drop Test	2m					
Waterproof	IPX6					



H10 SERIES

HEADLAMP



240 Lumens



28 h



4300 cd



Rechargeable



IR sensor control



Distance sensor

OPERATION INSTRUCTIONS

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)

H101\H101R



H101S\H101RS



H102\H102R

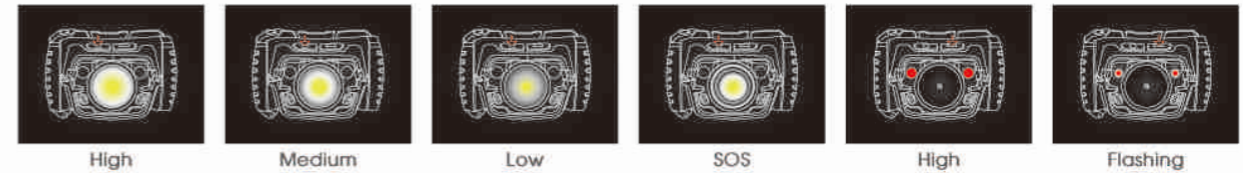


H102S\H102RS



H101-H101RS Product specification

Size:	61.0 x 45.0 x 42.0mm
Weight:	non-rechargeable: 50g(w/o battery); 84g(w/battery) rechargeable: 68g(w/battery)
Battery:	non-rechargeable: AAA x 3 rechargeable: 3.7V 800mAh Li-polymer
LED:	CREE XP-G Cool White 5mm High Brightness Red
Drop Test:	2m
Waterproof:	IPX6



IR sensor control
 Press & Hold for Seconds to Activate Sensor Controlled Mode (only for models with IR Sensors)



Charging Indicator 50% 50%-25% 25%



RED Light Visible at Both Sides



USB



45 Degree Adjustable



Reflector for Spot Beam

Lens for Flood Beam (optional)

Lens for Spot Beam

SPECIFICATIONS (ANSI FL1 Standard)

H101\H101S

	MAIN LAMP				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	220 Lumens	91 Lumens	9 Lumens	N/A	3 Lumens	N/A
Distance	118 m	75 m	24 m	N/A	5 m	N/A
Intensity	3500 cd	1410 cd	140 cd	N/A	5 cd	N/A
Runtime	28 h	55 h	120 h	150 h	80 h	120 h
Drop Test	2m					
Waterproof	IP X 6					

H101R\H101RS

	MAIN LAMP				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	240 Lumens	96 Lumens	10 Lumens	N/A	3 Lumens	N/A
Distance	121 m	78 m	25 m	N/A	3 m	N/A
Intensity	3600 cd	1520 cd	150 cd	N/A	2 cd	N/A
Runtime	7 h	15 h	45 h	38 h	54 h	120 h
Drop Test	2m					
Waterproof	IP X 6					

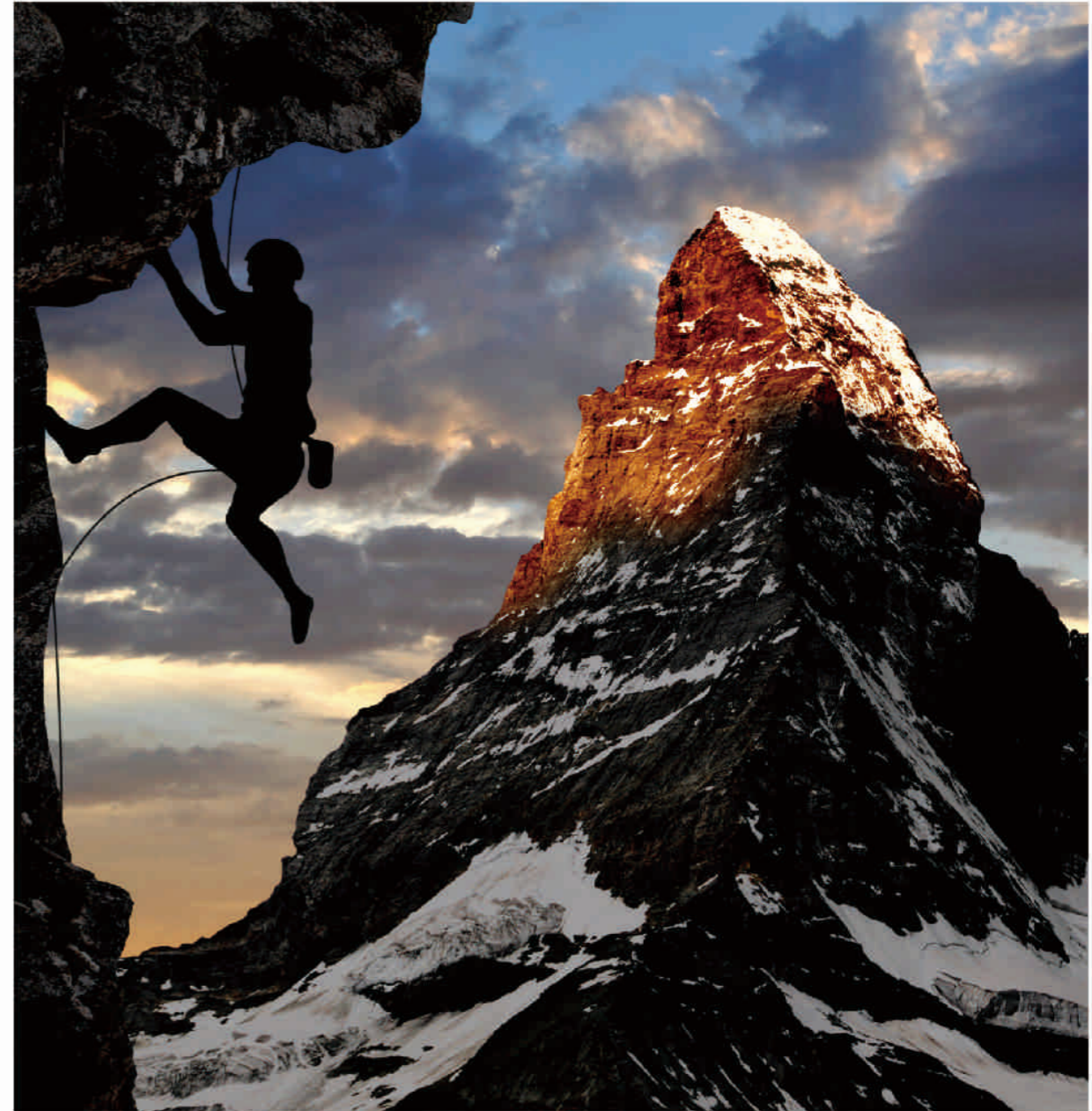
H102\H102S

	MAIN LAMP				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	210 Lumens	80 Lumens	8 Lumens	N/A	3 Lumens	N/A
Distance	46 m	29 m	9 m	N/A	5 m	N/A
Intensity	520 cd	210 cd	21 cd	N/A	5 cd	N/A
Runtime	28 h	55 h	120 h	150 h	80 h	120 h
Drop Test	2m					
Waterproof	IP X 6					

H102R\H102RS

	MAIN LAMP				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	220 Lumens	90 Lumens	9 Lumens	N/A	3 Lumens	N/A
Distance	46 m	29 m	9 m	N/A	3 m	N/A
Intensity	520 cd	210 cd	21 cd	N/A	2 cd	N/A
Runtime	7 h	15 h	45 h	38 h	51 h	120 h
Drop Test	2m					
Waterproof	IP X 6					

Models	H101	H101S	H101R	H101RS	H102	H102S	H102R	H102RS
Rechargeable			√				√	
Battery	AAA x 3		3.7V/800mAh		AAA x 3		3.7V/800mAh	
Hand-wave IR Sensor		√	√			√	√	
Max Output	220Lm		240Lm		210Lm		220Lm	
Weight	50g(w/o battery)		68g(w battery)		50g(w/o battery)		68g(w battery)	
Dimension	61.0 x 45.0 x 42.0mm							
Resistance to Fall	2m							
Water Resistance	IPX6							





HP2 SERIES

HEADLAMP



268 Lumens



14 h



4250 cd



Rechargeable



IR sensor control



HP2A

OPERATION INSTRUCTIONS

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

Light(Rear):
 Red High - Flashing - OFF



HP2A-S

OPERATION INSTRUCTIONS

Light(Front):
 ONCE press to cycle through WHITE
 White High - Med - Low - SOS - Red On - Red Flash - OFF
 (Press and hold for 3 seconds at any mode to activate 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)

Light(Rear):
 Red High - Flashing - OFF



HP2A-W

OPERATION INSTRUCTIONS

Light(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



HP2R

OPERATION INSTRUCTIONS

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



HP2R-S

OPERATION INSTRUCTIONS

Light(Front):
 Once Press to Cycle Through White High - Med - Low - SOS - 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)

Light(Rear):
 Same as HP2R



HP2R-W

OPERATION INSTRUCTIONS

Light(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) (Auto - OFF if Low Battery)

Light(Rear):
 Same as HP2R

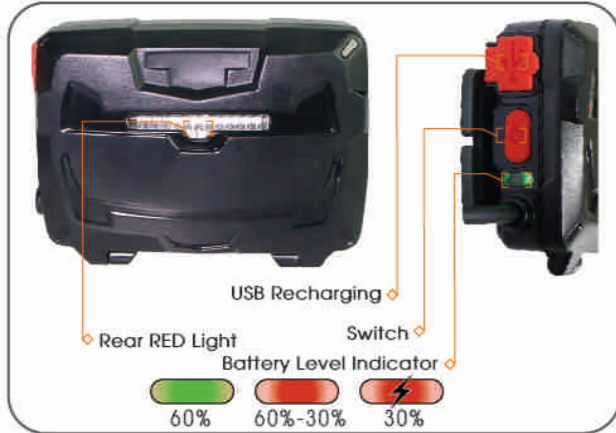
HP2A-HP2R Product specification

Size:	Lamp: 71.5 x 45.0 x 38.5mm Battery Case: 77.5 x 61.5 x 32mm
Weight	non-rechargeable: 120g(w/o battery); 189g(w/battery) rechargeable: 164g(w/battery)
Battery	non-rechargeable: AA x 3 rechargeable: 3.7V 2000mAh Li-polymer
LED:	CREE XP-G Cool White / Warm White 5mm High Brightness Red
Drop Test:	2.5m
Waterproof:	IPX6



Slidable Mask for Spot/Flood

Beam Angle 90 Adjustable



USB Recharging

Rear RED Light

Switch

Battery Level Indicator



Rear RED Light

Alkaline AA Batteries x 3

SPECIFICATIONS (ANSI FL1 Standard)

HP2A\HP2A-S

	MAIN LAMP				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	268 Lumens	136 Lumens	30 Lumens	23 Lumens	1 Lumens	N/A
Distance	130 m	92 m	42 m	37 m	5 m	N/A
Intensity	4250 cd	2103 cd	445 cd	350 cd	6 cd	N/A
Runtime	14 h	30 h	80 h	70 h	150 h	480 h
Drop Test	2.5 m					
Waterproof	IP X 6					

HP2A-W

	MAIN LAMP				WARM WHITE		RED LIGHT	
	High	Medium	Low	SOS	Medium	Low	High	Flashing
Output	268 Lumens	136 Lumens	30 Lumens	N/A	74 Lumens	16 Lumens	1 Lumens	N/A
Distance	130 m	92 m	42 m	37 m	41 m	18 m	5 m	N/A
Intensity	4250 cd	2103 cd	410 cd	350 cd	420 cd	77 cd	6 cd	6 cd
Runtime	14 h	30 h	80 h	70 h	33 h	89 h	150 h	480 h
Drop Test	2.5 m							
Waterproof	IP X 6							

HP2R-S

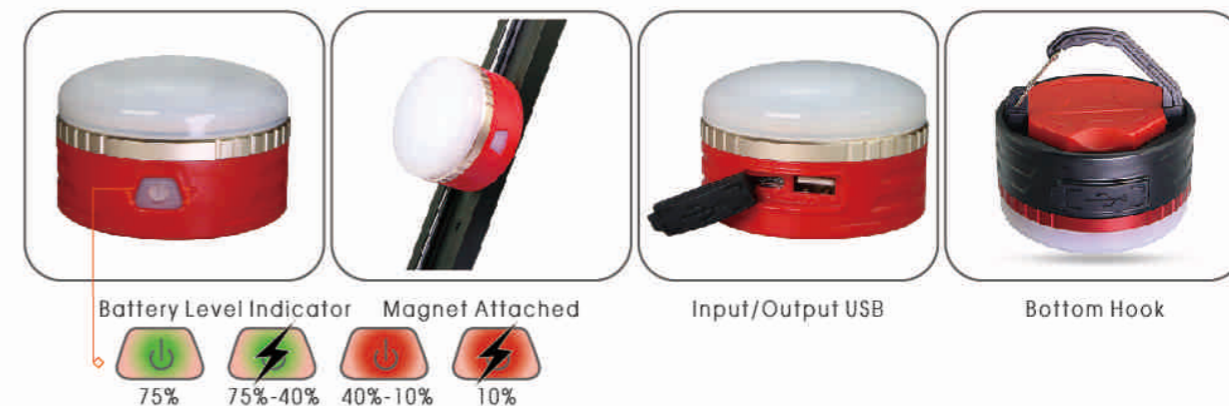
	MAIN LAMP				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	251 Lumens	130 Lumens	25 Lumens	N/A	1 Lumens	N/A
Distance	127 m	90 m	40 m	35 m	5 m	N/A
Intensity	4060 cd	2020 cd	410 cd	310 cd	6 cd	6 cd
Runtime	8 h	21 h	60 h	75 h	88 h	310 h
Drop Test	2.5 m					
Waterproof	IP X 6					

HP2R-W

	MAIN LAMP				WARM WHITE		RED LIGHT	
	High	Medium	Low	SOS	Medium	Low	High	Flashing
Output	251 Lumens	130 Lumens	25 Lumens	N/A	70 Lumens	14 Lumens	1 Lumens	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	2.5 m							
Waterproof	IP X 6							

Models	HP2A	HP2A-S	HP2A-W	HP2R	HP2R-S	HP2R-W
Rechargeable				√	√	√
Battery	AA x 3			3.7V/2000mAh		
Hand-wave IR Sensor		√			√	
LED Light Source	CREE XP-G Cool White / Warm White 5mm High Brightness Red					
Max Output	268Lm			251Lm		
Weight	120g(w/o battery)/180g(w/o battery)			164g(w/ battery)		
Dimension	71.5 x 45.0 x 38.5mm					
Resistance to Fall	2.5m					
Water Resistance	IPX6					





L4R

CAMPING LAMP

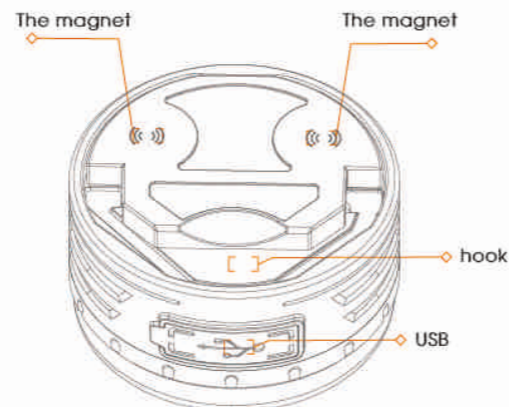
OPERATION INSTRUCTIONS

Operation: Press and hold for 3 seconds to switch between white light and red light
 White light mode: once press for 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%



L4R Product specification

Size:	71.0 x 71.0 x 46.5mm
Weight:	150g(w/ battery)
Battery:	3.7V 2900mAh Li-polymer
LED:	CREE XB-D Cool White SMD2835 Red
Drop Test:	2.5m
Waterproof:	IPX6



SPECIFICATIONS (ANSI FL1 Standard)

L4R

	MAIN LAMP				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	200 Lumens	80 Lumens	11 Lumens	20 Lumens	5 Lumens	5 Lumens
Distance	13 m	8 m	3 m	5 m	2 m	2 m
Intensity	45 cd	18 cd	2 cd	5 cd	3 cd	3 cd
Runtime	15 h	50 h	120 h	50 h	100 h	200 h
Drop Test	2.5m					
Waterproof	IP X 6					

**NEWLY UPDATED
360 Degree Illumination**



Hung by built-in bottom hook



As Downlight

L3A SERIES

LED LANTERN



CAMPING LANTERN

Operation:

Press and hold for 3 seconds to switch between white light and red light.
White light mode : once press High - Medium - Low - CANDLE LIGHT - 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: (for L3DRA)

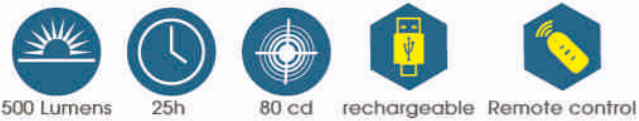
Press & hold the Lamp Button for Seconds to Activate Remote Control Mode, and the Blue LED indicator will constantly ON; Switch OFF the Remote Control Mode by Single Press.

Controller Operation: (for L3DRA)

Switch 1: To Control the Lamp White, Once Press to Cycle Through WHITE HIGH-MED - LOW - CANDLE LIGHT - 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.

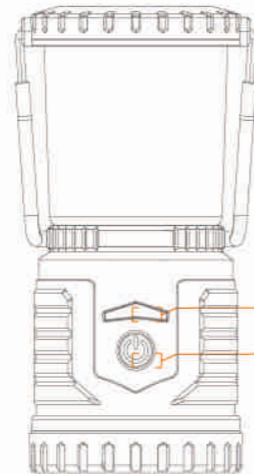
Battery Level Indicator:

non-rechargeable model: Green: 50%; Red: 25%-50%; Red flash: 25%
rechargeable model: Green: 75%; Green flash: 40%-75%;
Red: 10%-40%; Red flash: 10%
Red light flashes every 5 seconds when standby.



L3DA-L3RA Product specification

Size:	106 x 94 x 185mm
Weight:	non-rechargeable: 404g(w/o battery); 839g(w/battery) rechargeable: 537g(w/battery)
Battery:	non-rechargeable: D Size x 3 rechargeable: 3.7V 6000mAh Li-ion (18650 x 3)
LED:	COB LED
Drop Test:	1.2m
Waterproof:	IPX6



Battery Level Indicator
switch



Battery Level Indicator
Mode Switch

**360 Degree Illumination Warm White
400 Lumens
Imitating Candle Light Flickering Mode**





For Dry Battery Model: L3DA/L3DRA

For Rechargeable Model: L3RA

SPECIFICATIONS (ANSI FL1 Standard)

L3DA / L3DRA / L3RA

	MAIN LAMP				RED LIGHT	
	High	Medium	Low	CANDLE	High	Flashing
Output	500 Lumens	200 Lumens	40 Lumens	N/A	5 Lumens	5 Lumens
Distance	18 m	11 m	5 m	N/A	3 m	N/A
Intensity	80 cd	30 cd	6 cd	N/A	2 cd	N/A
Runtime	25 h	85 h	600 h		600 h	N/A
Drop Test	1.2m					
Waterproof	IPX6					

Models	L3DA	L3DRA	L3RA
Rechargeable			✓
Battery	D Size Batteries x 3		3.7V/6000mAh
Remote sensing		✓	
LED Light Source	COB LED		
Max Output	500Lm		
Weight	839g		537g
Dimension	106 x 94 x 185mm		
Resistance to Fall	1.2m		
Water Resistance	IPX6		

Data only for reference, may change without prior notice

L3 SERIES

LED LANTERN



CAMPING LANTERN

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: (for L3DR)

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.

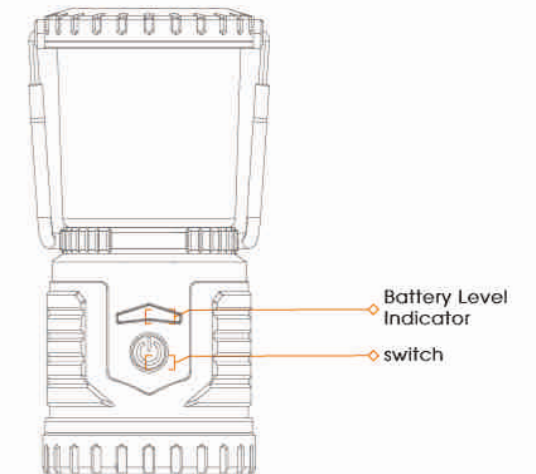
Battery Level Indicator:

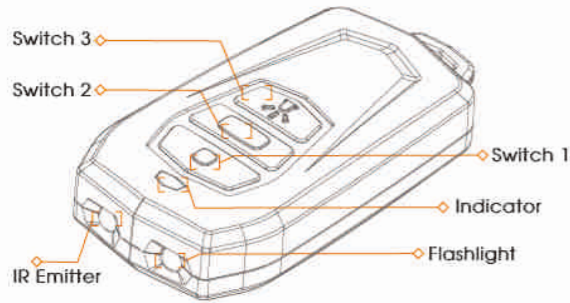
non-rechargeable model: Green: 50%; Red: 25%-50%; Red flash: 25%
 rechargeable model: Green: 75%; Green flash: 40%-75%;
 Red: 10%-40%; Red flash: 10%
 Red light flashes every 5 seconds when standby.

610 Lumens
 28 h
 4300 cd
 Rechargeable
 Remote control

L3D-L3R Product specification

Size:	106 x 94 x 185mm
Weight:	non-rechargeable: 460g(w/o battery); 880g(w/battery) rechargeable: 569g(w/battery)
Battery:	non-rechargeable: D Size x 3 rechargeable: 3.7V 6000mAh Li-ion (18650 x 3)
LED:	CREE XB-D Cool White SMD2835 Red
Drop Test:	2m
Waterproof:	IPX6





As Power Bank

L3DR

With Input & Output USB ports and built-in large capacity lithium battery, the lantern can charge to a mobile device as a power bank.



For Dry Battery Model: L3D/L3DR

For Rechargeable Model: L3R

SPECIFICATIONS (ANSI FL1 Standard)

L3D / L3DR

	MAIN LAMP				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	385 Lumens	162 Lumens	40 Lumens	22 Lumens	5 Lumens	N/A
Distance	25 m	15 m	7 m	N/A	N/A	N/A
Intensity	156 cd	60 cd	12 cd	N/A	N/A	N/A
Runtime	25 h	85 h	600 h	360 h	600 h	N/A
Drop Test	2m					
Waterproof	IP X 6					

L3R

	MAIN LAMP				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	400 Lumens	160 Lumens	40 Lumens	20 Lumens	5 Lumens	N/A
Distance	130 m	26 m	16 m	7 m	N/A	N/A
Intensity	4300 cd	169 cd	60 cd	12 cd	N/A	N/A
Runtime	24 h	75 h	200 h	300 h	400 h	N/A
Drop Test	2m					
Waterproof	IP X 6					

L3R High Lumen

	MAIN LAMP				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	610 Lumens	245 Lumens	49 Lumens	49 Lumens	5 Lumens	5 Lumens
Distance	32 m	20 m	9 m	9 m	3 m	N/A
Intensity	250 cd	200 cd	21 cd	21 cd	2 cd	N/A
Runtime	28 h	70 h	200 h	150 h	260 h	380 h
Drop Test	2m					
Waterproof	IP X 6					

Models	L3D	L3DR	L3R
Rechargeable			√
Battery	D Size Batteries x 3		3.7V/6000mAh
Remote sensing	√		
LED Light Source	CREE XB-D Cool White SMD2835 Red		
Max Output	385Lm		610Lm
Weight	880g		569g
Dimension	106 x 94 x 185mm		
Resistance to Fall	2m		
Water Resistance	IPX6		

Imitating Candle Light
Flickering Mode



NEWLY UPDATED
360 Degree Illumination



Hung by built-in bottom hook



As Downlight

L2A SERIES

LED LANTERN



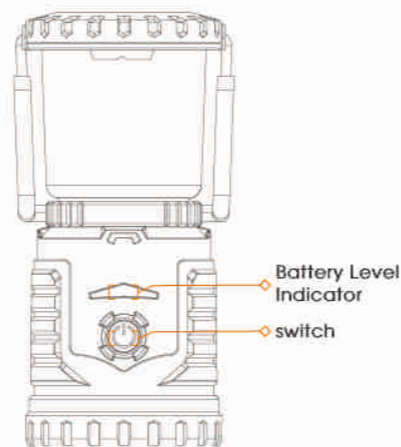
CAMPING LANTERN

Operation:
Press and hold for 3 seconds to switch between white light and red light,
White light mode : once press High - Medium - Low - CANDLE LIGHT - 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: (for L2ARA)
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 L2ARA)
Switch 1: To Control the Lamp White, Once Press to Cycle Through WHITE HIGH - MED - LOW - CANDLE LIGHT - 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.

Battery Level Indicator:
non-rechargeable model: Green: 50%; Red: 25%-50%;
Red flash: 25%
rechargeable model: Green: 75%; Green flash: 40%-75%;
Red: 10%-40%; Red flash: 10%
Red light flashes every 5 seconds when standby.



L2AA-L2RA Product specification

Size:	68.0 x 57.0 x 135mm
Weight:	non-rechargeable: 145g(w/o battery); 238g(w/battery) rechargeable: 201g(w/battery)
Battery:	non-rechargeable: AA x 4 rechargeable: 3.7V 4000mAh Li-polymer
LED:	COB LED
Drop Test:	1.2m
Waterproof:	IPX6





For Dry Battery Model: L2AA/L2ARA

For Rechargeable Model: L2RA

SPECIFICATIONS (ANSI FL1 Standard)

L2AA / L2ARA / L2RA

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	CANDLE	High	Flashing
Output	225 Lumens	94 Lumens	19 Lumens	N/A	5 Lumens	5 Lumens
Distance	16 m	10 m	5 m	N/A	3 m	N/A
Intensity	62 cd	24 cd	5 cd	N/A	2 cd	N/A
Runtime	18 h	56 h	319 h		480 h	720 h
Drop Test	1.2m					
Waterproof	IP X 6					

Models	L2AA	L2ARA	L2RA
Rechargeable			√
Battery	1.5V AA batteries x 4		3.7V /4000mAh Li-polymer
Remote Control		√	
LED Light Source	COB LED		
Max Output	225Lm		
Weight	238g		201g
Dimension	68.0 x 57.0 x 135.0mm		
Resistance to Fall	1.2m		
Water Resistance	IPX6		

Data only for reference, may change without prior notice

L2 SERIES

LED LANTERN



CAMPING LANTERN

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: (for L2AR)

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.

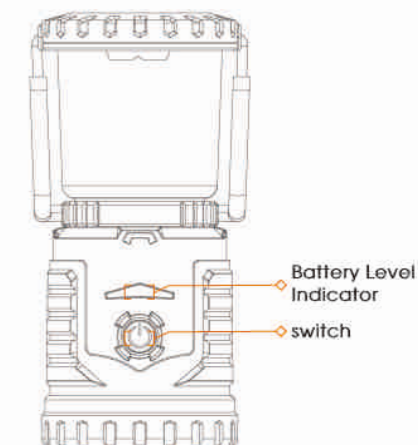
Battery Level Indicator:

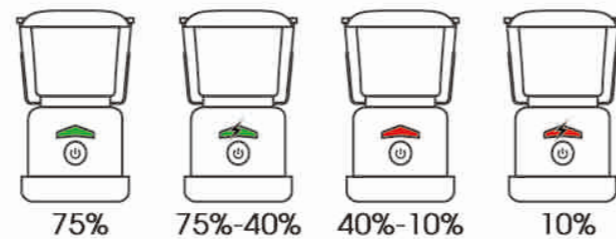
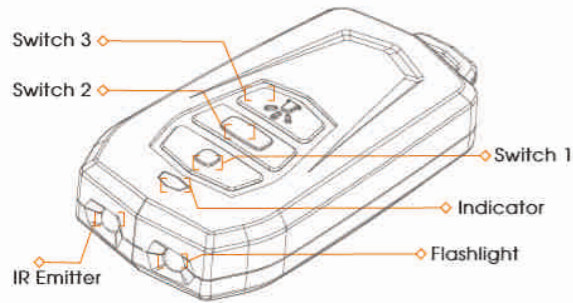
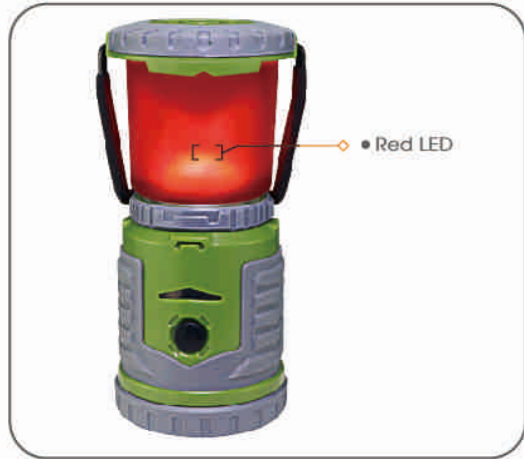
non-rechargeable model: Green: 50%; Red: 25%-50%; Red flash: 25%
 rechargeable model: Green: 75%; Green flash: 40%-75%; Red: 10%-40%; Red flash: 10%
 Red light flashes every 5 seconds when standby.

330 Lumens
 18 h
 125 cd
 Rechargeable
 Remote control

L2A-L2R Product specification

Size:	68.0 x 57.0 x 135mm
Weight:	non-rechargeable: 150g(w/o battery); 242g(w/battery) rechargeable: 201g(w/battery)
Battery:	non-rechargeable: AA *4 rechargeable: 3.7V /4000mAh Li-polymer
LED:	CREE XB-D Cool White SMD2835 Red
Drop Test:	2m
Waterproof:	IPX6





For Dry Battery Model: L2A/L2AR

For Rechargeable Model: L2R

SPECIFICATIONS (ANSI FL1 Standard)

L2A / L2AR

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	225 Lumens	94 Lumens	19 Lumens	24 Lumens	5 Lumens	1 Lumens
Distance	16 m	10 m	5 m	2 m	1 m	1 m
Intensity	62 cd	24 cd	5 cd	6 cd	1 cd	1 cd
Runtime	9 h	30 h	140 h	120 h	140 h	200 h
Drop Test	2m					
Waterproof	IP X 6					

L2R High Lumen

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	330 Lumens	136 Lumens	28 Lumens	35 Lumens	1 Lumens	1 Lumens
Distance	22 m	14 m	7 m	7 m	1 m	1 m
Intensity	125 cd	51 cd	11 cd	12 cd	1 cd	N/A
Runtime	17 h	34 h	150 h	168 h	168 h	400 h
Drop Test	2m					
Waterproof	IP X 6					

L2R

	WHITE LIGHT				RED LIGHT	
	High	Medium	Low	SOS	High	Flashing
Output	225 Lumens	94 Lumens	19 Lumens	24 Lumens	5 Lumens	1 Lumens
Distance	16 m	10 m	5 m	2 m	1 m	1 m
Intensity	62 cd	24 cd	5 cd	6 cd	1 cd	1 cd
Runtime	18 h	56 h	319 h	490 h	480 h	720 h
Drop Test	2m					
Waterproof	IP X 6					

Models	L2A	L2AR	L2R
Rechargeable			√
Battery	1.5V AA batteries x 4		3.7V /4000mAh Li-polymer
Remote Control		√	
LED Light Source	CREE XB-D Cool White SMD2835 Red		
Max Output	225Lm		330Lm
Weight	150g		210g
Dimension	68.0 x 57.0 x 135.0mm		
Resistance to Fall	2m		
Water Resistance	IPX6		

HP1A LED:CREE XP-E cool white
↔5mm high brightness Red LED

Battery:
AA battery x 1

Lighting Modes:
Red Led: High - Flashing - OFF

Output	125 Lumens
Runtime	8 h
Intensity	870 cd
Distance	50 m
Drop Test	2 m
Waterproof	IPX6



HP3A LED:CREE/ XP-G Cool white
↔5mm high brightness red LED

Battery:
AAA battery x 3

Lighting Modes:
White: High - Medium - Low - SOS - OFF
Red Led: High - Flashing - OFF

Output	168 Lumens
Runtime	30 h
Intensity	4270 cd
Distance	110 m
Drop Test	2 m
Waterproof	IPX6



HP3AS LED:CREE XP-G Cool white
↔5mm high brightness red LED

Battery:
AAA battery x 3



Lighting Modes:
White: High - Medium - Low - SOS - OFF
Red Led: ON - Flashing - OFF

Output	168 Lumens
Runtime	30 h
Intensity	4270 cd
Distance	110 m
Drop Test	2 m
Waterproof	IPX6



H1LC LED: XM - L T6 cool white LED

Battery:
3.7V 2800mAh 18650 rechargeable battery*1



Lighting Modes:
White High - Medium - Low - SOS - OFF

Output	660 Lumens
Runtime	40 h
Intensity	1900 cd
Distance	87 m
Drop Test	1.5 m
Waterproof	IPX6



H3A LED: CREE XP - E cool white LED

Battery:
AAA batteries*3

Operation:
White High - Medium - Low - SOS - OFF

Output	165 Lumens
Runtime	75 h
Intensity	2300 cd
Distance	66 m
Drop Test	1.5 m
Waterproof	IPX6



H3AV LED: CREE XP - E cool white LED

Battery:
AAA batteries*3

Lighting Modes:
White High - Medium - Low - SOS - OFF

Output	165 Lumens
Runtime	75 h
Intensity	2300 cd
Distance	66 m
Drop Test	1.5 m
Waterproof	IPX6



H1L LED: XM - L cool white LED

Battery:
3.7V 2800mAh 18650 rechargeable battery*1

Operation:
White High - Medium - Low - SOS - OFF

Output	655 Lumens
Runtime	75 h
Intensity	6110 cd
Distance	180 m
Drop Test	1.5 m
Waterproof	IPX6



HS1L LED: CREE XM-L T6 cool white LED

Battery:
3.7V2500mAh 18650 rechargeable battery*1 or AAA battery *3.

Operation:
White High - Medium - Low - SOS - OFF

Output	550 Lumens
Runtime	55 h
Intensity	4810 cd
Distance	180 m
Drop Test	1.5 m
Waterproof	IPX6



H2A LED: CREE XP-G R5 cool white LED

Battery:
AA battery*2(optional)

Lighting Modes:
White High - Medium - Low - SOS - OFF

Output	212 Lumens
Runtime	135 h
Intensity	1882 cd
Distance	138 m
Drop Test	1.5 m
Waterproof	IPX6



H2AV LED: XP-G R5 cool white LED

Battery:
AA battery*2(optional)

Lighting Modes:
White High - Medium - Low - SOS - OFF

Output	220 Lumens
Runtime	135 h
Intensity	1660 cd
Distance	84 m
Drop Test	1.5 m
Waterproof	IPX6



HS2L LED:CREE XM-L T6

Battery:
Li-ion 28650 Battery

Lighting Modes:
White High - Med - Low - SOS - OFF

Output	650 Lumens
Runtime	3 h
Intensity	3200 cd
Distance	112 m
Drop Test	1.5 m
Waterproof	IPX6



HO10 LED:CREE XP-G/2 - S2

Battery:
AAA battery x 3

Lighting Modes:
White High - Low - Flash - OFF
Red ON - Green ON - Blue ON

Output	200 Lumens
Runtime	3 h
Intensity	3200 cd
Distance	112 m
Drop Test	1.5 m
Waterproof	IPX6



HO10D LED:CREE XP-G/2 - S2

Battery:
AAA battery x 3



Lighting Modes:
White High - Low - Flash - OFF

Output	200 Lumens
Runtime	3 h
Intensity	3200 cd
Distance	112 m
Drop Test	1.5 m
Waterproof	IPX6



HO10S LED:CREE XP-G/2 - S2

Battery:
AAA battery x 3



Lighting Modes:
White High - Low - Flash - OFF
Red ON - Flashing - OFF

Output	200 Lumens
Runtime	3 h
Intensity	3200 cd
Distance	112m
Drop Test	1.5 m
Waterproof	IPX6



HP1R LED:Cool white LED
↔3mm high brightness red LED

Battery:
CR 2032 battery*2

Lighting Modes:
White High - Low - SOS - OFF
Red Led: ON - Flashing - OFF

Output	38 Lumens
Runtime	9 h
Intensity	1080 cd
Distance	65 m
Drop Test	1.5 m
Waterproof	IPX5



W10



SIZE:72*20*17.5mm

W20



SIZE:36*13*9mm



Perfect Match With Headband



Dual Tubes Design

FLASHLIGHT

F2AA



Specification	F2AA
Output	15 Lumens
Lux	40 Lux
Intensity	160 cd
Lighting Distance	25 M
Burn-time	11 H (Max.67 H)
Working Current	240-450 mA
Drop Test	2m
Waterproof	IP X 6

1. Battery: 2*AA Alkaline Battery/ (or 2*AA Rechargeable)
2. Light Source: Nichia NSPW500G-K1 White LED
3. LED Life: 50000 H
4. Lighting Modes: Once Press the Button to Switch on the Light, Press Again for OFF

Specification F21AA

Output	11 Lumens
Lux	35 Lux
Intensity	140 cd
Lighting Distance	24 M
Burn-time	12 H (Max.58 H)
Working Current	480-720 mA
Drop Test	2m
Waterproof	IP X 6

1. Battery: 1*AA Alkaline Battery/ (or 1*AA Rechargeable)
2. Light Source: Nichia NSPW500G-K1 White LED
3. LED Life: 50000 H
4. Lighting Modes: Once Press the Button to Switch on the Light, Press Again for OFF



F21AA

F12A



Specification	F12A
Output	13 Lumens
Lux	40 Lux
Intensity	160 cd
Lighting Distance	25 M
Burn-time	7 H (Max.28 H)
Working Current	240-450 mA
Drop Test	2m
Waterproof	IP X 6

1. Battery: 2*AAA Alkaline Battery/ (or 2*AA Rechargeable)
2. Light Source: Nichia NSPW500G-K1 White LED
3. LED Life: 50000 H
4. Lighting Modes: Once Press the Button to Switch on the Light, Press Again for OFF

Specification F11A

Output	11 Lumens
Lux	33 Lux
Intensity	132 cd
Lighting Distance	23 M
Burn-time	7 H (Max.28 H)
Working Current	480-720 mA
Drop Test	2m
Waterproof	IP X 6

1. Battery: 1*AAA Alkaline Battery/ (or 1*AA Rechargeable)
2. Light Source: Nichia NSPW500G-K1 White LED
3. LED Life: 50000 H
4. Lighting Modes: Once Press the Button to Switch on the Light, Press Again for OFF



F11A

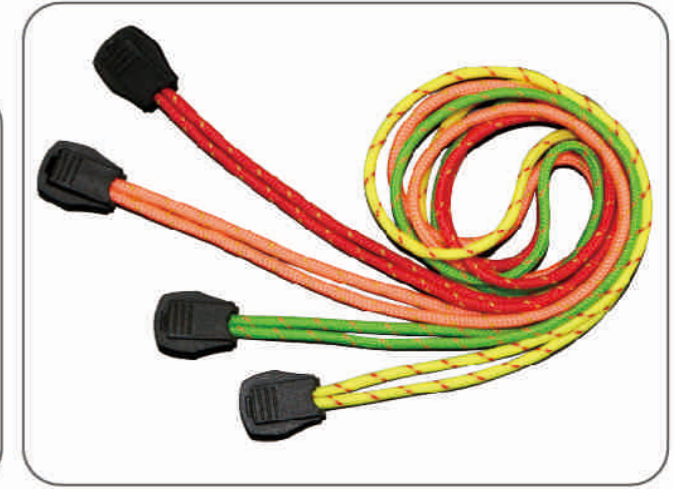
ACCESSORIES



S-Biner



Carabiner



Lanyard

