

## Head Lamp Series User Manual



PATENT  
PENDING

reddot award 2017  
winner



### HDL121R

120 lumen detachable & rechargeable  
LED head lamp

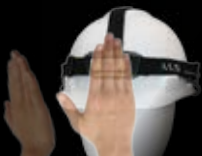
High efficiency COB LED  
60/120 lumen (step 1/2)  
5h/2.5h operating time (step 1/2)  
2-3h charging time  
3.7V 800mAh Li-poly battery  
IP65

### HDL251R

250 lumen detachable & rechargeable  
sensor LED head lamp

High efficiency COB LED  
High power LED  
Spot light: 150 lumen  
Flood light: 250 lumen  
Bottom: 120 lumen  
2.5h/2.5h/3h operating time (step spot/flood/bottom)  
2-3h charging time  
3.8V 1600mAh Li-poly battery  
IP65

motion activated sensor



glow-in-the-dark locator



detachable design



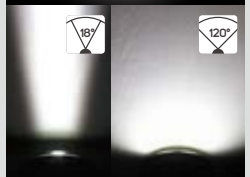
multi-modes



IP65 dust and water resistant



magnetic back



# HDL121R&HDL251R

*These high efficiency COB LED headlamps provide superior light for your work environment.*

## Multi-functional Design

- Headlamps can be detached and used separately
- Magnetic back will adhere to any metal surface
- Glow-in-the-dark fluorescent reflector makes lamp easy to locate in the dark
- IP65 dust and water resistant
- Drop impact resistant
- Lights will flash as a low power warning prior to the battery running out

## Brightness Memory Function

- Setting is recorded after 5 seconds of activation
- Recorded setting is recalled next time the device is activated

## Multi-modes

- HDL121R features a wide beam angle design
- HDL251R has three light modes – Flood, Spot and Bottom

## Motion Activated Sensor (for model HDL251R)

- Motion sensor activates on/off with a wave of the hand

## Using Instructions

- Before using, plug the adapter into any 100~240V AC standard power source to let unit fully charge until the green indicator inside the mini-DC socket turns on.
- Press the switch continuously for changing steps of light sources.

Cyclic steps:

HDL121R: dim-bright-off;

HDL251R: spot-flood-off. Press the bottom switch to turn on/off bottom COB LED.

### Motion Activated Sensor for HDL251R:

Press the button “☺” on the top of the head lamp, the “☺” indicator at the bottom will be lit, indicating that the sensor function is working; press the button “☺” again to turn off the sensor, and the “☺” indicator at the bottom will off. When the sensor function turns on, the front light sources can be on/off when the sensor is interfered twice around 0.5s. Press top switch to change the light source (spot-flood-off).

## Warnings and Cautions

- Please read and understand this instruction carefully to ensure the safe and effective use of this light. And follow all directions before using.
- Risk of electrical shock, do not use in the environment with gas, combustible or explosive materials, hot objects.
- Keep away from the reach of children.
- Do not open, repair or modify.
- Do not use the light with wet hand.
- Use only under the recommended voltage and frequency requirements.
- To avoid the harm to your eyes, please do not look straight to the light.
- Minimum distance from lighted objects 0.1m.
- Please use standard 5V 1.5A adapter to charge the light.
- The specification in this manual is based on standard lab testing, different environment may influence the data.
- Charge this light every 3months if not in constant using, and after each use, if it is used often to ensure longevity.
- Replace the battery with manufacture and battery designation only.

## Warranty

Warranty for 2 years from the original purchase date.

THIS WARRANTY DOES NOT COVER BATTERY OR ACCESSORIES NOR DEFECTS OR DAMAGES TO THE LIGHT (I) after the warranty period expires; (II) resulting from misuse or abnormal operation; (III) resulting from a failure to properly maintain or operate the tool; or (IV) resulting from any repair or maintenance services performed by any party other than ALS.