



HC-325

Infrared Night Lamp



INSTALLATION MANUAL

Welcome to use HC-325 Infrared Night Lamp!

The product is an energy-saving sensor night lamp, which adopts integrated circuit and precise detecting components. When the ambient light is less than 20LUX, it can be on when one comes and be off automatically after one leaves. Its performance is stable.

SPECIFICATION:

Power Source:DC5V(USB)

Ambient Light: <10-20LUX

Rated Load: Flashlight:1W

Night lamp:0.8W

Switch Function: AUTO/ON/OFF

Detection Range: 140°

Detection Distance: 6m max(<24°C)

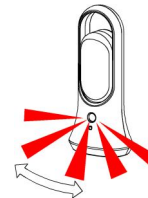
Working Temperature: -20~+40°C

Working Humidity: <93%RH

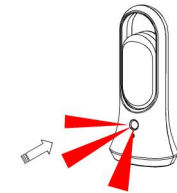
Detection Moving Speed: 0.6-1.5m/s

FUNCTION:

- Flashlight (1W): Press the flashlight switch, flashlight will turn on. Please refer to the technical drawing.
- Night lamp (0.8W): Switch function: AUTO/ON/OFF. PIR sensor can detect movement, and night lamp will automatically turn on. About the details refer to the test.



Good sensitivity



Poor sensitivity

HOW TO CHARGE:

- The product includes the Lithium battery, please pay attention to use safety
- Use the USB to charge: During charging, the indicator light is in red color, when it is full charged, the light turns to green.

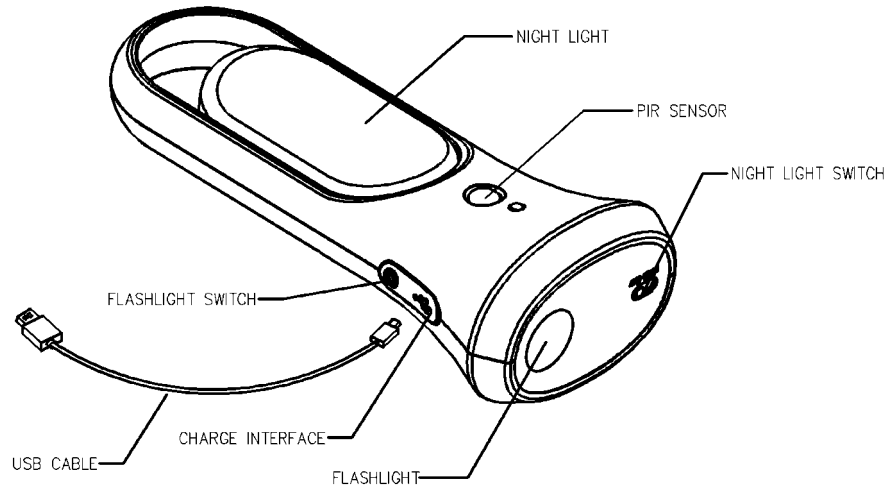
- **Note: The charge time is about 2 hours .Don't charge for so long.**

When charging (even if it's not full, the product also can be used.

When the charge is full, and in complete discharge situations:

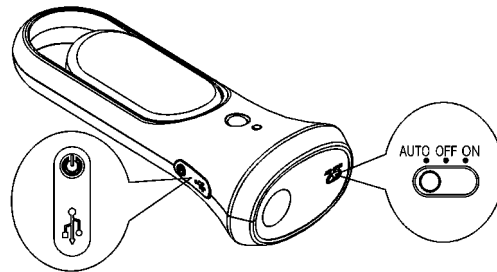
- 1) **Only use the night lamp, it can work about 4 hours**
- 2) **Only use the flashlight, it can work about 2 hours**
- 3) **Use the night lamp and flashlight together :it can work about 1.5hours**

TECHNICAL DRAWING:



TEST:

- Slide the switch knob to “ON”, the night lamp will turn on .Slide to “OFF”, the night lamp will turn off.
- Slide the switch knob to “AUTO”, the night lamp will be into the automatic mode. At the beginning it has no signal ,after Warm-up 30sec, the sensor can start work .When the ambient light is less than 10-20LUX, If the PIR sensor receives the induction signal ,the night lamp will turn on .While there is no another induction signal any more, after about 20s the night lamp will turn off.
- When it receives the second induction signal, the night lamp will turn on again.



Note: When in the detection area, if it continues to have the induction signals, the night lamp will not turn off even if the ambient light is more than 20LUX .Only when it doesn't receive the induction signal, after about 20s the night lamp will turn off.

NOTE:

- The product accessory includes the USB CABEL ,no power adapter
- Please charge the power on the first time to use the product
- Avoid to look straight at the LED to protect the eyes
- Avoid to use it near air condition, central heating, etc
- When in “AUTO” mode, please make sure location height of the night lamp should not exceed height of a human body, otherwise the PIR sensor may not detect.

SOME PROBLEM AND SOLVED WAY:

- The night lamp do not work:
 - a. Please check if it's no charge
 - b. Please check if the working light sets correspond to ambient light.
- The sensitivity is poor:
 - a. Please check if there has any hindrance in front of the detection window to affect to receive the signal.
 - b. Please check if the ambient temperature is too high.
 - c. Please check if the induction signal source is in the detection fields.
 - d. Please check if location height of the night lamp exceeds height of a human body
 - e. Please check if the moving orientation is correct.
- The night lamp not turn off automatically:
 - a. Please check if there is continual signal in the detection field.