# Bluetooth LED Motion Sensor Security Light

Model: **DJ103UW**
DJ103UB

DIJIE Internation Co., Ltd.

Design and Functionality Patent No: 201630144661.1 & 201630133622.1 & 2016447229.4
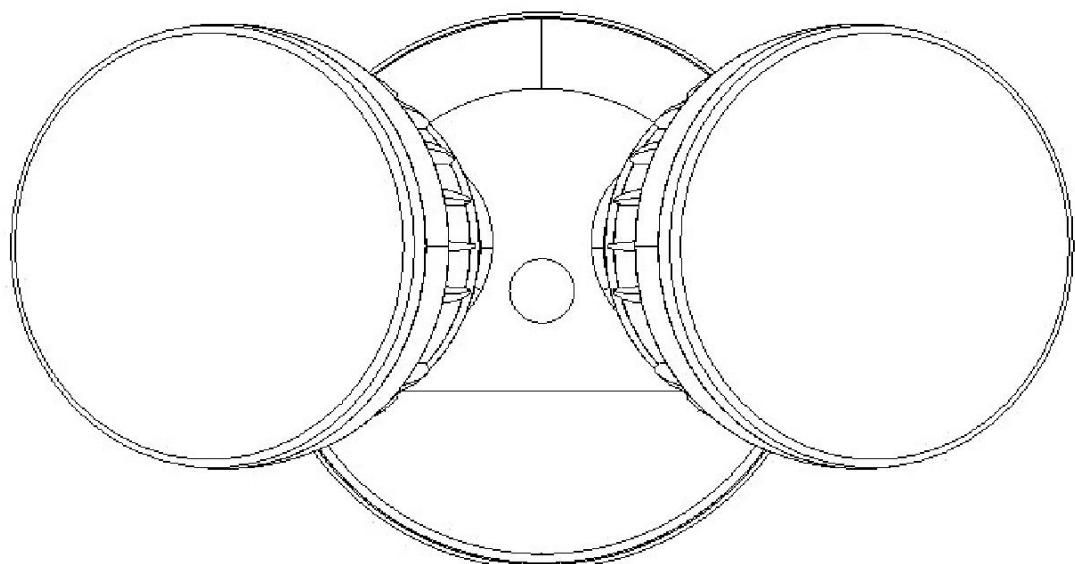
Please read these instructions carefully prior to installation and retain them for future reference. Failure to follow any of these instructions could void product warranties.

For questions regarding this product or warranty, please contact Customer Service at :

IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels.

Before installing, servicing or performing routine maintenance upon this equipment, follow these general precautions.

For Commercial Installation: Service and maintenance of this fixture should be performed by a qualified licensed electrician.

For Residential Installation: If you are unsure about the installation or maintenance of this fixture, consult a qualified, licensed electrician.

Do not mount the unit against flammable surfaces.

The motion detector will not operate correctly if it is
installed: o Near the outlet of a central heating boiler
   o Near an air conditioning unit
   o Pointing directly at moving vehicles
   o Within sight of reflection from moving water
   o Where other lamps could shine on the detector

Fixtures can NOT be used with a dimmer switch, motion or occupancy sensor and other electronic switching devices unless otherwise designated. LED fixtures must be powered directly off a switch circuit.

Do not install more than one motion sensor light on one wall switch.

This fixture should not be used in areas with limited ventilation or high ambient temperatures.

This fixture is intended to be connected to a properly installed and grounded UL listed junction box.

These instructions do not claim to cover all details or variations in equipment or provide every possible contingency to meet in connection with the installation, operation or maintenance. Should further information be needed, you may contact Customer Service at :

⚠ **WARNING: RISK OF ELECTRICAL SHOCK**

Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.

Verify that the supply voltage is correct. Connect fixture to a 120 volt, 60 Hz power source.

Make sure all electrical and grounded connections are in accordance with the National Electrical Code and any applicable local code requirements.

All wiring connections should be capped with UL listed wire connectors.

⚠ **CAUTION: RISK OF PRODUCT DAMAGE**

Never connect components under load.

Do not mount or support these fixtures in a manner that can cut the outer jacket or damage wire insulation. Avoid covering LED fixtures with insulation, foam, or other material that will prevent convection or conduction cooling.

Never connect an LED product directly to dimmer packs, occupancy sensors, timing devices or other related control device, unless individual product specifications deem otherwise.

Unless individual product deems otherwise: do not exceed fixtures maximum ambient temperatures. LED products are Polarity Sensitive. Ensure proper polarity before installation.

Electrostatic Discharge (ESD) can cause damage to LED fixtures. Personal grounding equipment must be worn during all installation or servicing of the unit.

Do not touch the individual electronic components, it may cause ESD, shorten lamp life or alter performance.

⚠ **CAUTION: RISK OF INJURY**

Wear gloves and safety glasses at all times when removing fixture from carton, installing, servicing or performing maintenance.

Avoid direct eye exposure to the light source while it is on. LED LAMPS ARE EXTREMELY BRIGHT. UNDER NO CIRCUMSTANCES SHOULD YOU STARE INTO AN LED BEAM, THIS MAY CAUSE IRREPARABLE DAMAGE TO THE EYE.

Account for small parts and destroy packaging materials, as these may be hazardous to children

⚠ **WARNING: RISK OF BURN**

Allow fixture to cool before handling. Do not touch enclosure of light source. Do not exceed the maximum wattage marked on the label.

Keep combustible and other materials that can burn away from the luminaries, fixture and lamp/lens.

IMPORTANT SAFETY INSTRUCTIONS

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)this device may not cause harmful interference, and

(2)this device must accept any interference received, including interference that may cause undesired operation.

PRE-INSTALLATION

Before beginning assembly of the product, make sure all parts are present. Compare parts with package contents list and hardware contents. If any part is missing or damaged, do not attempt to assemble the product.

Estimated Installation time: 30 minutes.

Note: Fixture should be installed by persons with experience in household wiring or by a qualified electrician. The electrical system and the method of electrically connecting this fixture to must be in accordance with the National Electrical Code and local building codes.

Install the motion sensor 6.5 ft / 1.9 m - 10 ft / 3 m above the ground. Motion sensor is less sensitive above 10 ft / 3 m.
Mount motion sensor so motion moves across detection zone.
Mount sensor away from heat producing sources to prevent false triggering. Also be very careful not to include objects such as windows, white walls and water in the detection zone.
Mount fixture away from moving objects such as trees and street traffic.
Do not install more than one motion sensor light on one wall switch.
Suitable for covered wall or eave mounting.
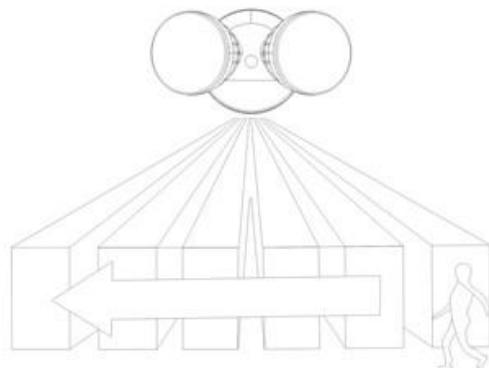
Sensor detects motion that moves across the detection zone.

MOUNTING LOCATIONS

Determine the mounting location – a wall or under an eave. Position the lamphead in the general direction of the desired light coverage.

Note: Do not mount this light fixture on the ground.

Wall Mount
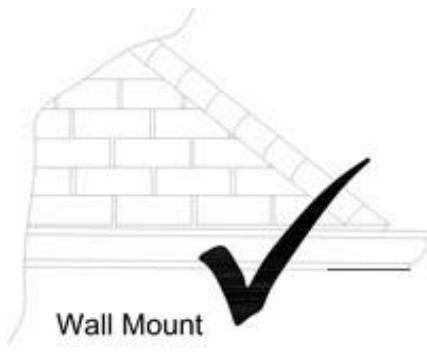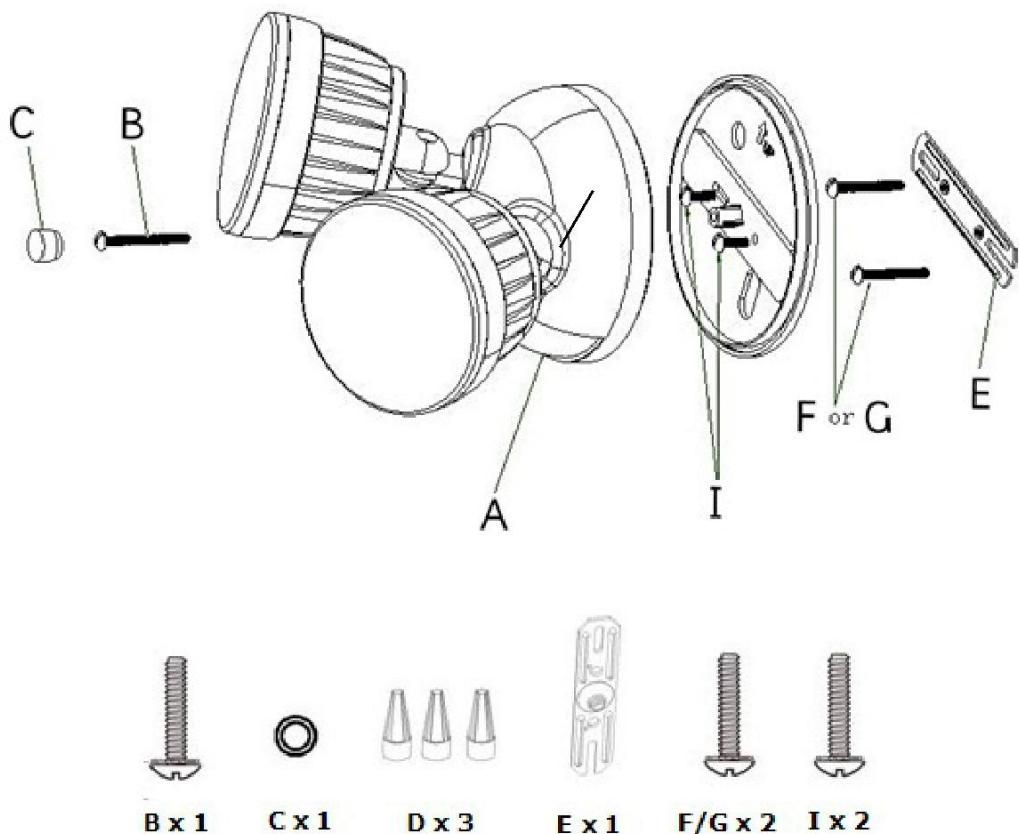
FIXTURE PACKING LIST

Part	Description	Quantity
A	Light Fixture	1
B	M4 X 45mm Center Screw	1
C	Decorative Cover	1
D	Wire Nut	3
E	Mounting Bracket	1
F	# 6-32 X 3/4" Junction Box Screw	1
G	# 8-32 X 3/4" Junction Box Screw	1
H	Plastic Bracket	1
I	M4 X 20mm Screw	2
	User Manual	1

Mounting Hardware included.

Tools Required for Installation (Not included):

Hammer   Safety goggles   Phillips screwdriver   Level
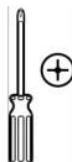
INSTALLATION

Step 1. Installing the Mounting Bracket

Line up the holes on the Mounting Bracket (E) with the holes on your junction box.
Using the two Mounting Screws (F or G) fix it tightly.
Line up the holes on the Plastic Bracket(H) with the holes on the Mounting /bracket with
the two Mounting Screws (I) fix it tightly.
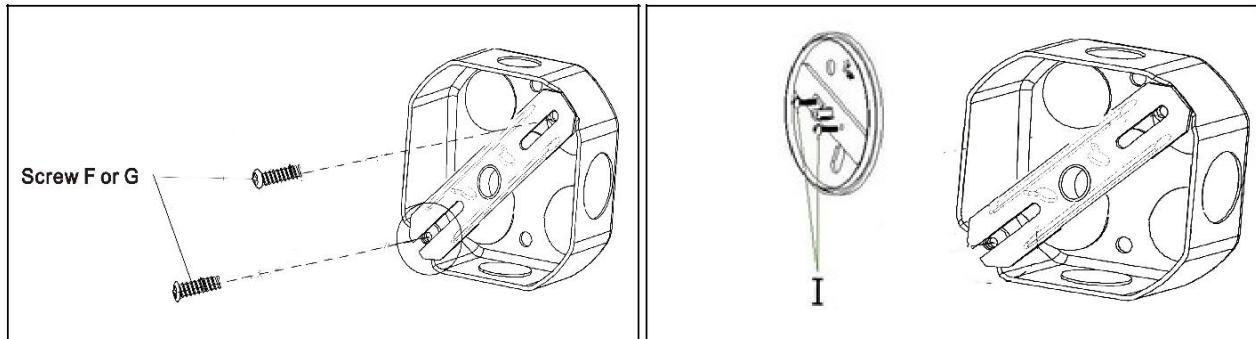
⚠ **WARNING: Risk of electric shock. Disconnect power at fuse or circuit breaker
before installing or servicing.**

⚠ **CAUTION: Do not cut any wires with factory installed wire connectors or
remove the wire connectors.**

Step 2: Wiring the Light Fixture

Connect the light fixture wires to the junction box wires with a Wire Nut (D).The wire should pass
through the Plastic Cover Bracket (H)
White to white
Black to black
Green ground wire to house ground

Note: Make sure the polarity is correct.
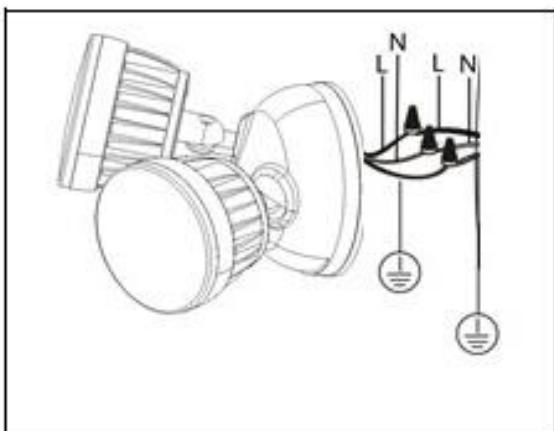
Step 3. Mounting the Light Fixture

Install the Light Fixture (A) to the Mounting Bracket (E) with affixed Center Screws
(B). Cover the hole of the Light Fixture (A) with attached Decorative Cover (C).

Note: Make sure all the wires are connected inside the light and junction box before attaching the light
to the junction box.
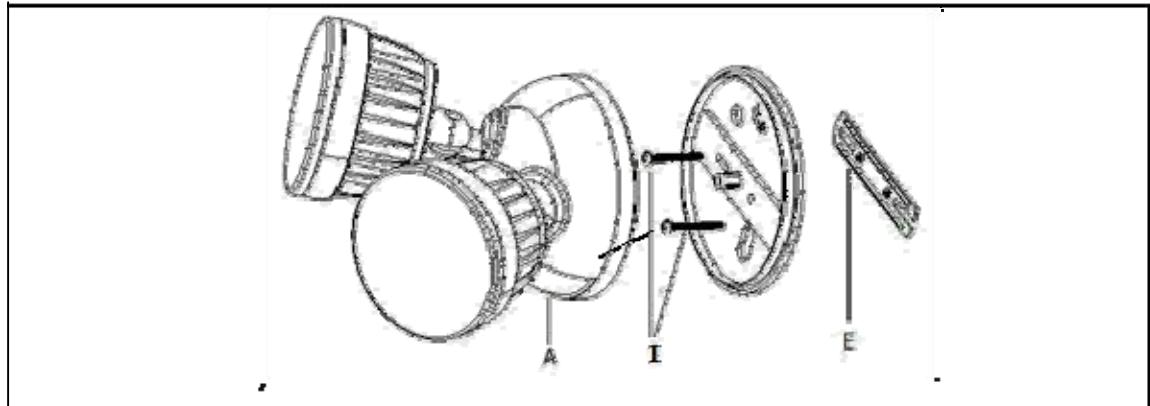
Step 4. Caulking Around the Light Fixture

Caulk around the canopy and mounting surface with silicone sealant (not included).
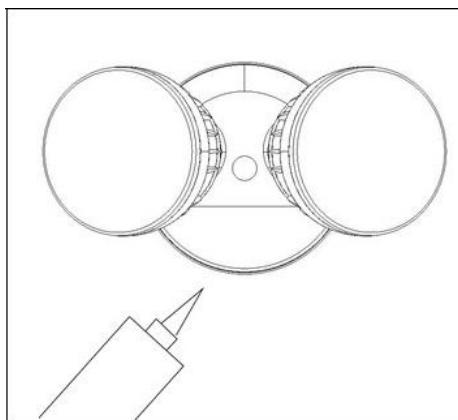
Note: If you install this light fixture on the covered wall or eave without junction box, you must use the appropriate s
crews (not included) to install this light fixture on the covered wall or eave directly depending on the surface (replaces
 (F) or (G).

OPERATION

Adjusting the Lamp heads

1   Adjust the lamp heads direction up and down with range of 15 degrees. The lamp heads can be adjusted around with max 350 degrees to get the desired lamp direction.

Adjust desired lamp direction
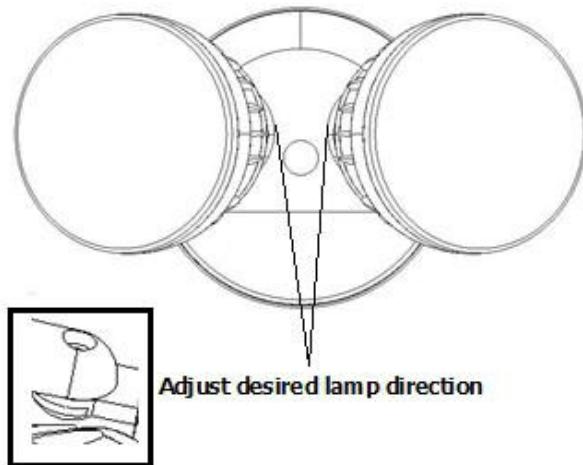
Note: LED LAMPS ARE NON-REPLACEABLE. Do not attempt to access / maintain the LEDs; they are non replaceable and any contact may damage the LEDs and will void the warranty.

2   **The Motion Sensor Detector**

Detection Range: 65 ft. / 20 m * 220 degrees on an optimum installation height of 2.5 meters
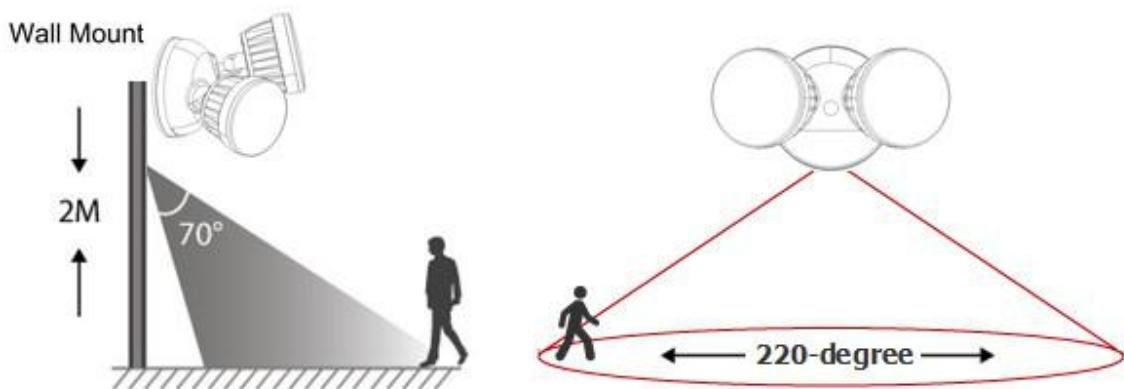
Note: When you first install your security light, ensure the PIR detector cover the desired area.

Connecting the DJ103U fixture to your smart phone

Please ensure you are within 10 meters away from the fixture while paring take place and during desired function settings:

**1.   Downloading the DJBluetooth App on your smartphone**

Scan the QR code appropriate to your phone to download the free "DJBluetooth" app to an IOS or Android device, OR search for "DJBluetooth" from Google Play store or Apple Store to download.

IOS or ANDROID

Install the App on your smart phone

**2. Tap on the DJ Bluetooth Icon to open the App screen**

App Icon
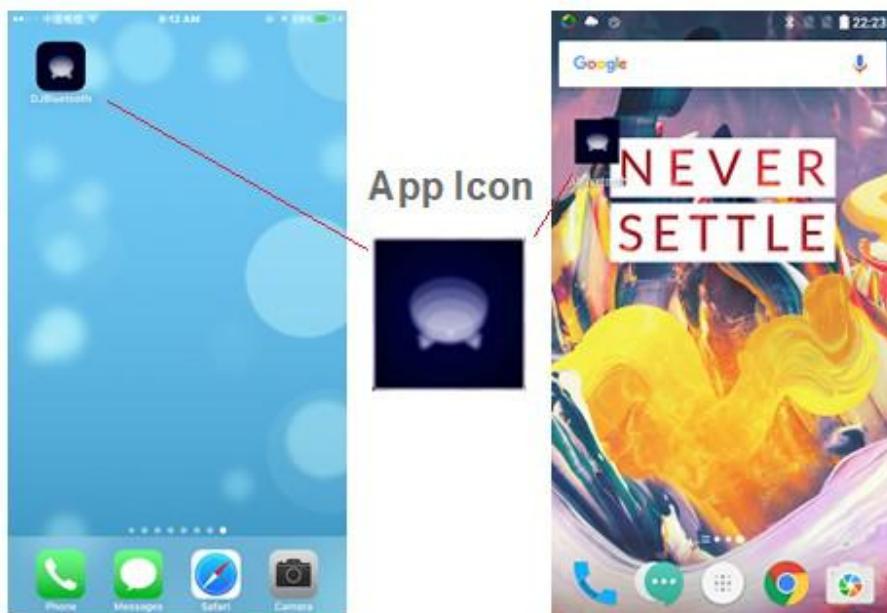
3. Ensure that you turn on the Bluetooth function for your phone
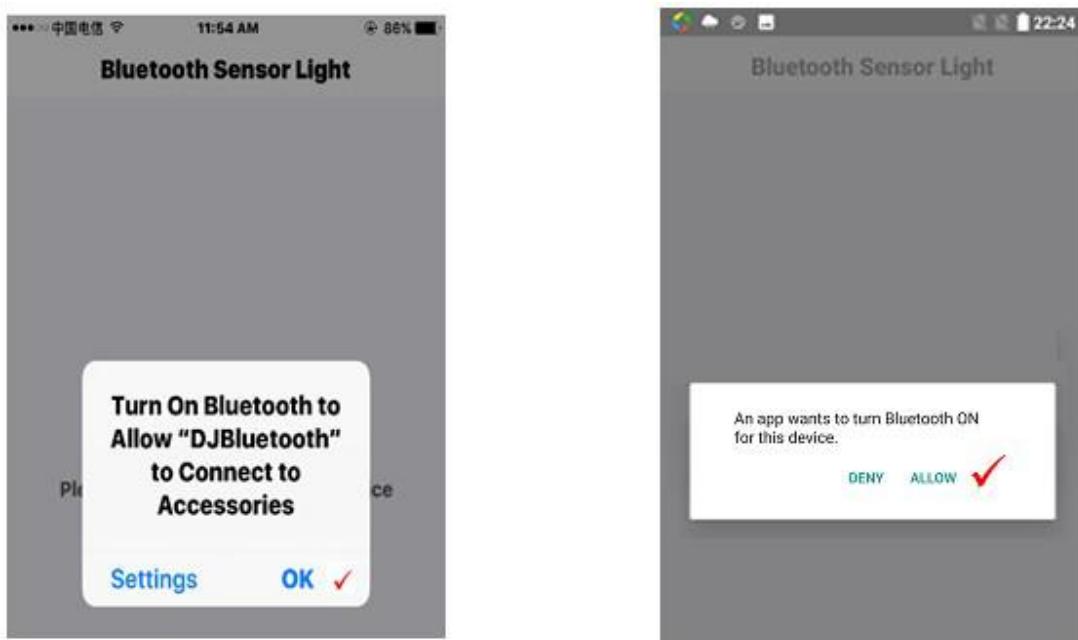
4. Pairing the light to the smart phone app – Operation distance is 10 meter plus.

> Ensure the power to the light is turned ON.
>> The LED light will turn off after 5 sec. then, please pull down the screen on the IOS App or Android App. You will find the "Sensor Light" device on your screen.
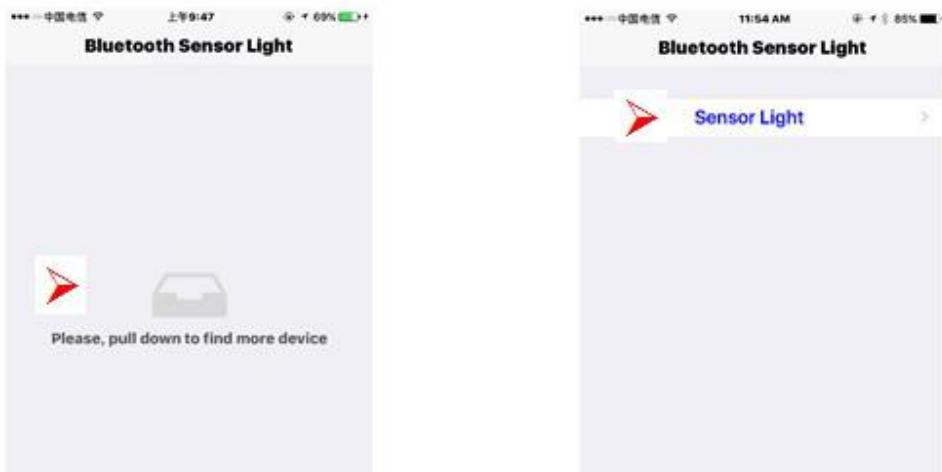
5.   After the completion of the pairing process

Select and Tap the New Device to start the pairing process.

Tap "Nickname" and enter a name and the "password "for the light (the password consist of 4 digits.) Then, Tap "Done" to save it.

 Should you install more than one light fixture it will be recommended to only use one password to control multiple light fixtures to prevent the smartphone App to request you to enter the password again when using different passwords for multiple installed fixtures.

Please wait about 5 Seconds after you saved the data, thereafter you will notice the New Device on your smartphone App.
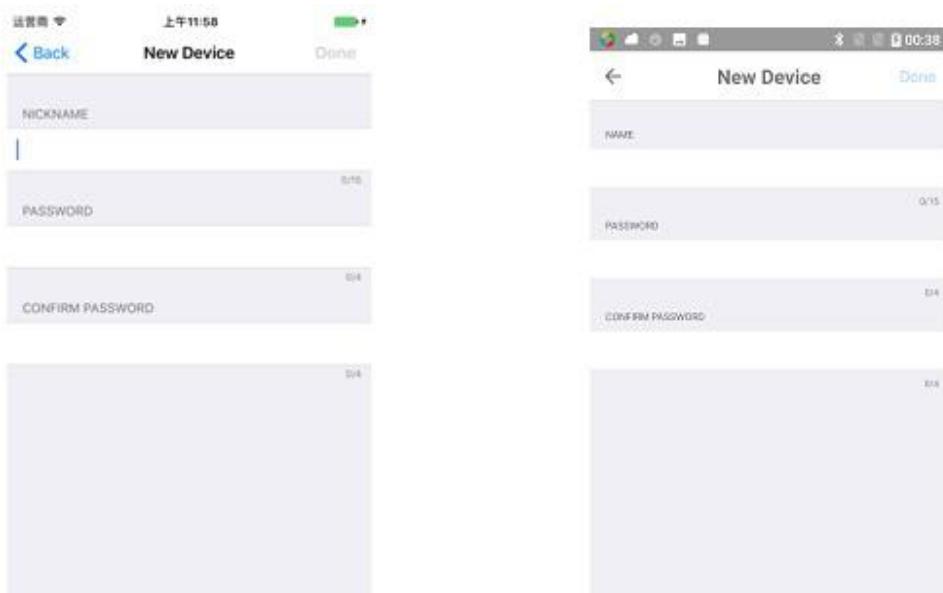
Should you want to change the password, you can Tap the "Password" button, then, enter your "Old Password" and thereafter the "New Password", enter new password to confirm and Tap the "Done" button to save your Password. Please wait about 5 Seconds after you saved the data
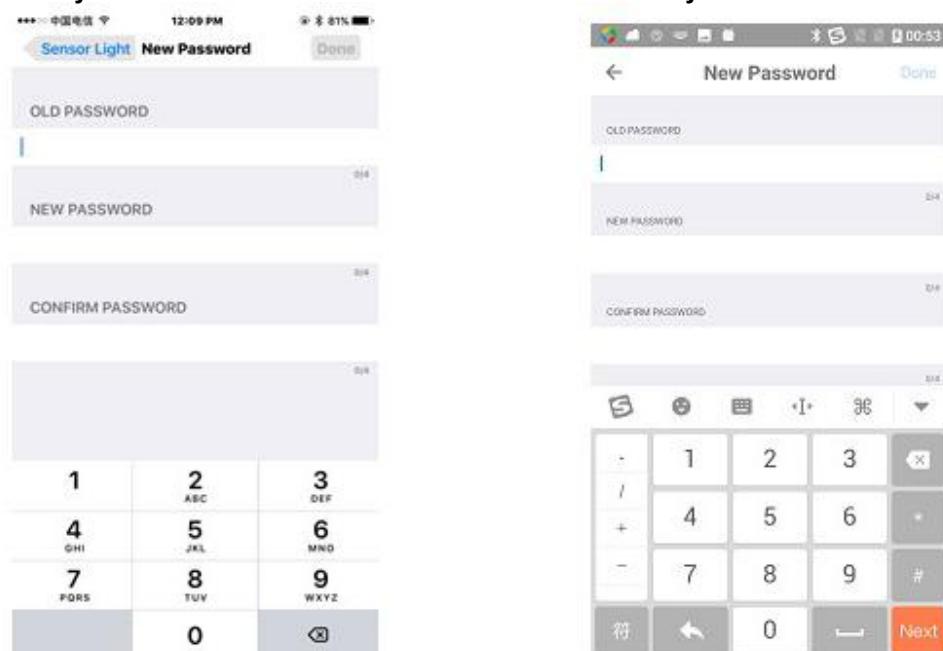
6. Testing The Light

Tap the test button, then, go to the App test screen.
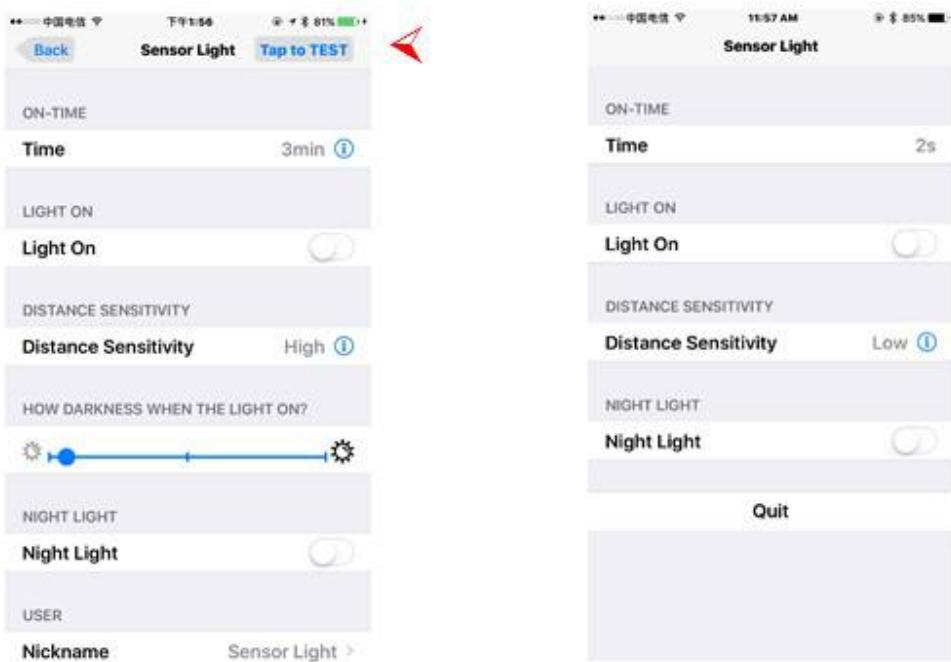
Perform the sensor testing, by walking in front of the sensor light, the detected area is around 20M (it might 15M or 10M) and 220 degree, On motion sensor detection , the light will go on for 2 seconds and this indication will repeated on detection as sign the Light and motion sensor function properly.

Turn on the "Light On" by switching the button on on the app screen (turn green), and the light will go on, and the light slider can be used to dim the light level from High to Low. When switching it off, the light will return to a normal motion sensor light function.
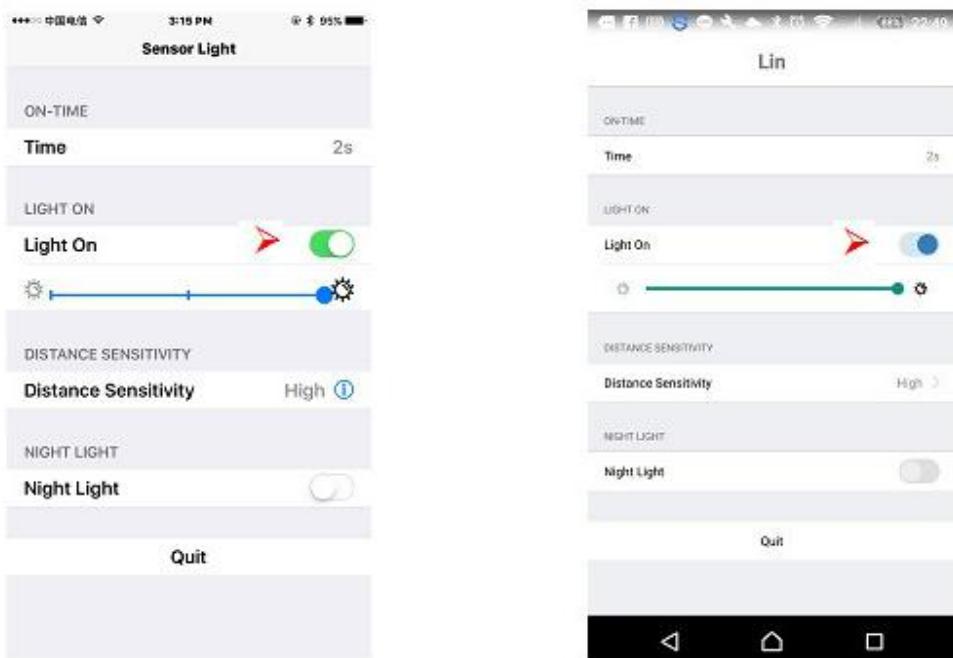
Tap the "Distance Sensitivity" to choose the detection distance level from "Low, Medium, High" (Low: around 10-12M , Medium: around 14-16M, High: around 19-21M)
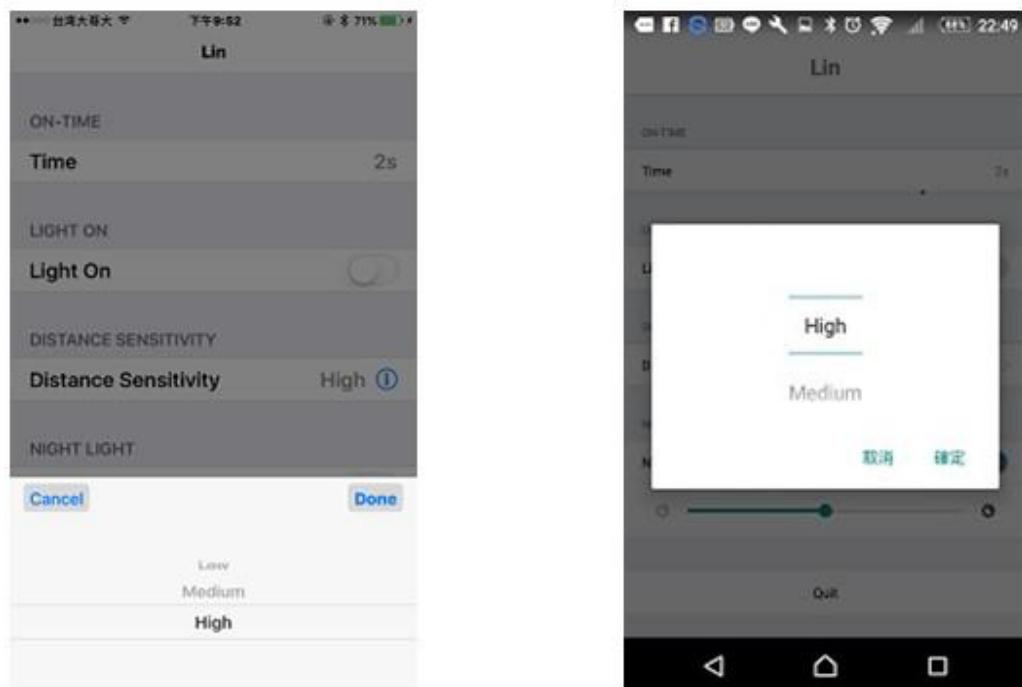
Turn on the "Night light" switch button (turn green), the light brightness will reduce to 30% of the total light brightness, then, you can dim the light brightness through the slider from High, Medium to Low.
Please note : when the light sensor detect an object, the light will return to 100% in brightness, after the detection light on time expires , the light will return to the Night Light (the Night Light brightness will be according to the setting between Low, Medium or High)
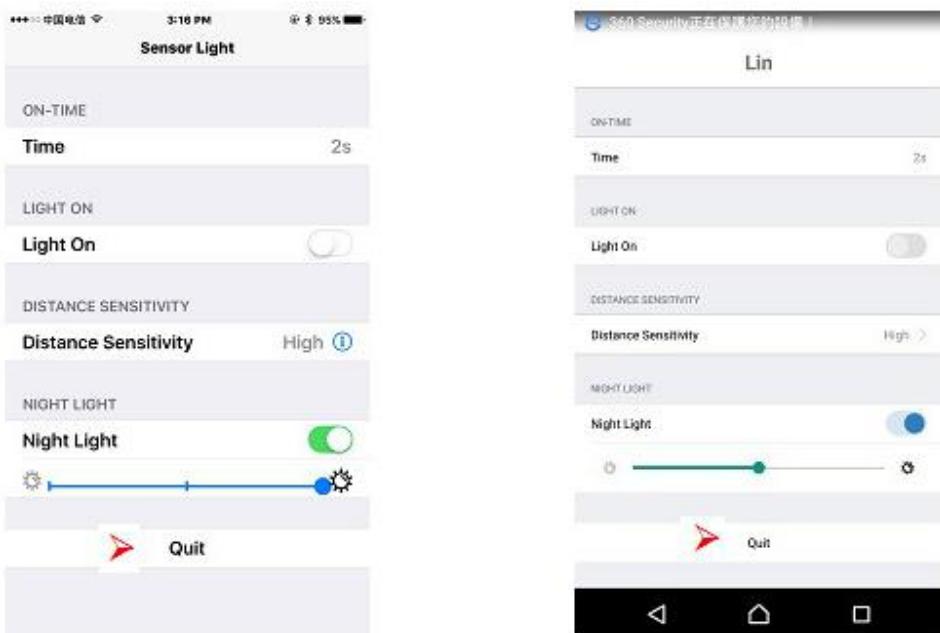

Note : After all function testing, please tap the "Quit" button to return to the normal function screen.

7. Normal function

A. "On time" : Light On Time Setting During Motion Sensor Detection

Setting "Light on time during motion sensor activations " 5 time setting options to choose from (1min, 3min, 5min, 10min, 20min), For example, when you choose 1min, On motion sensor detection the light will go on for 1 minute , after no detection the Light will go off and be on standby for the next detection and repeated on the time setting choice .Should an objects remain in the detective area, the light will remain on until the object is no longer in the detection area. Please note that the default setting is 1 minute.
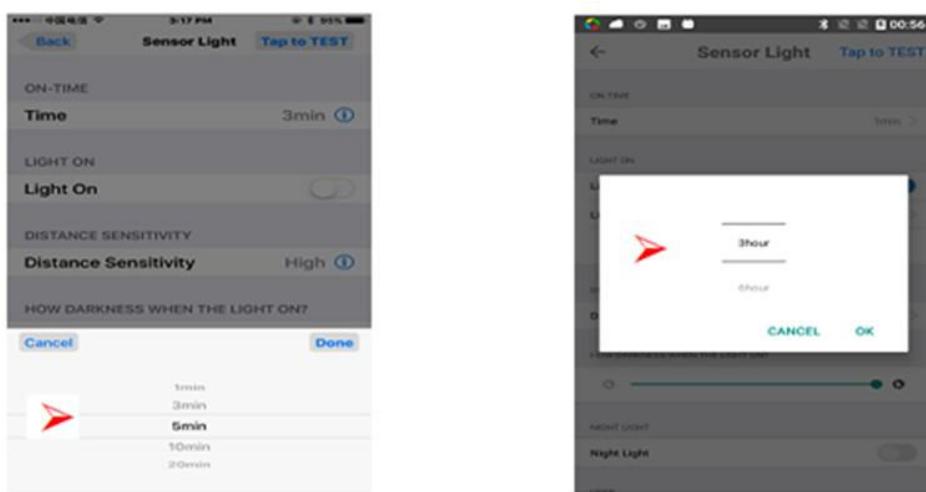

B. "Light On": To keep your light on all the way

Switch the App button to green, then, slide the light slider to dim the light level from High to Low, Should the selection be in an off selection, the light will turn to a normal sensor light function.
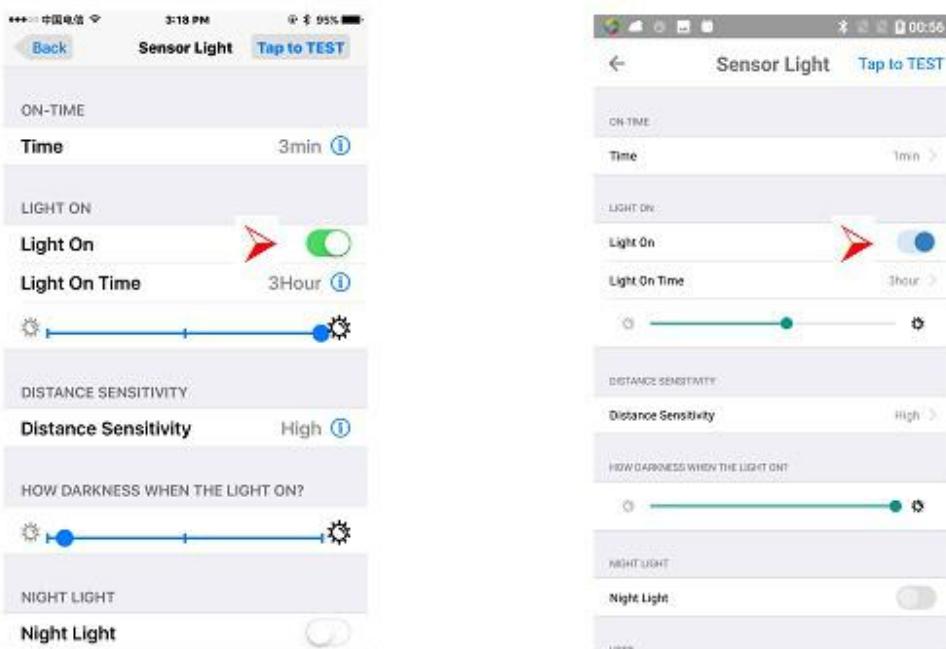
Should you require the light on time for the entire night, you can select on the App and turn the "Light On" between "3 Hours, 6 Hours, to Sunrise /Dawn", after the time selection the light will return to a normal sensor light function with your setting time.
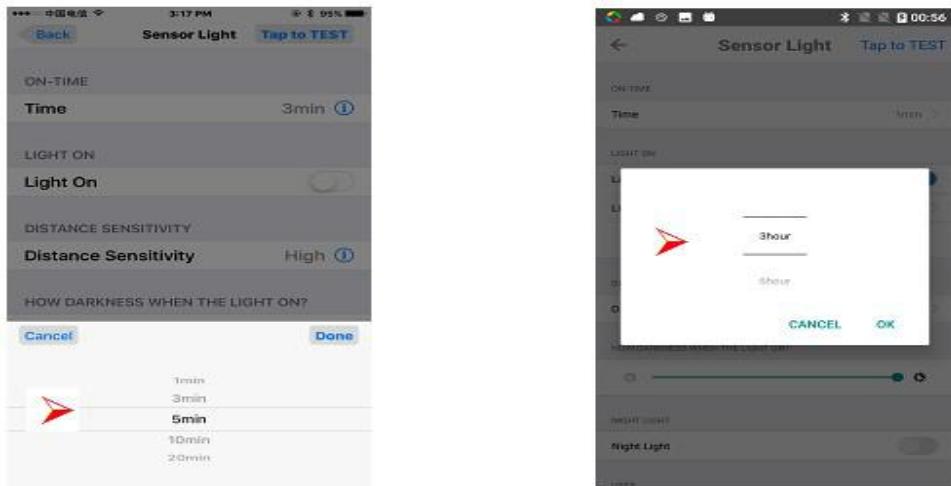

C. "Night Light"

Turn on the "Night Light" switch button (Shows Green On The app screen), the light brightness will be lower and it can be re-adjusted by selecting the desired brightness on the app from Low, Medium or High and the Night Light time between 3 hours , 6 hours to sunrise

On an detection during the "Night Light" setting the light will go on in with full brightness, and will return to the Night Light brightness setting after the detection (This brightness can be set and adjusted on the App screen)
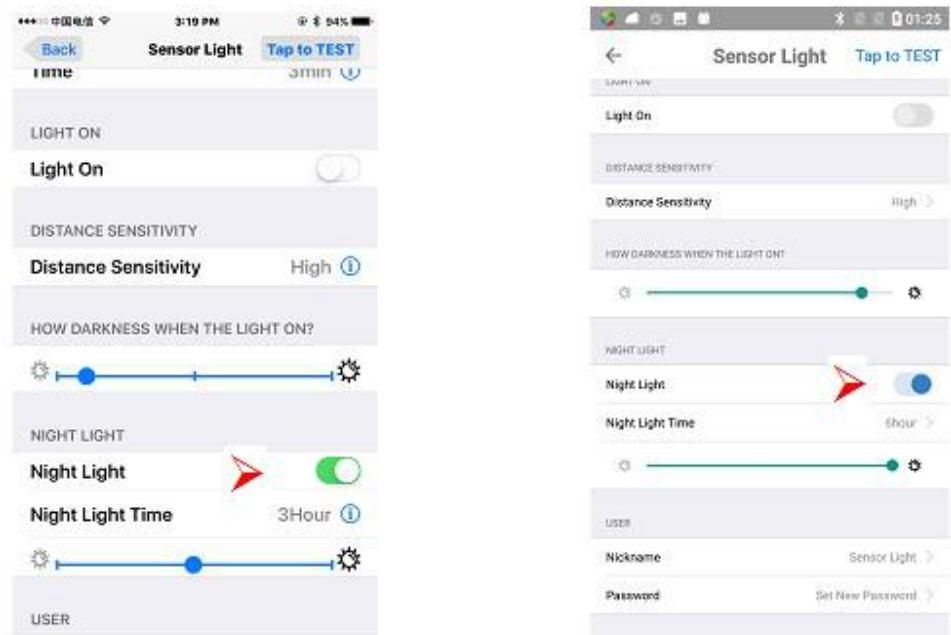
Night Light Time On duration settings can be selected between 3 hours , 6 hours to sunrise – After selection Tap Done or Ok
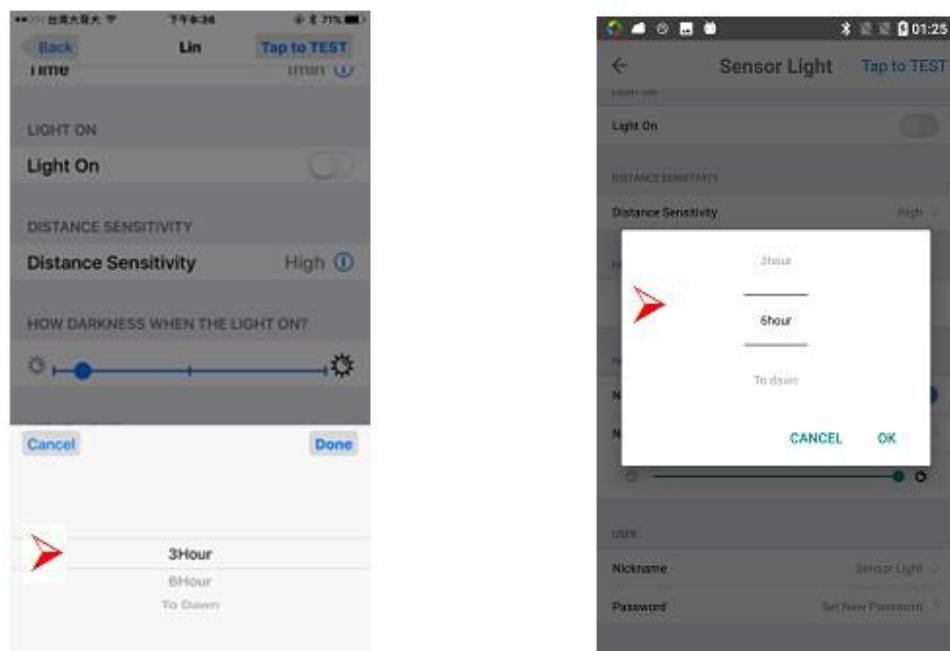
D. **"Distance Sensitivity"**

You can choose the detection distance sensitivity by sliding the "Distance Sensitivity", on the App with 3 sensitivity choices from Low, Medium too High (High: around 19-21M, Medium: around 14-16M, Low: around 10-12M) with the default setting as "High"
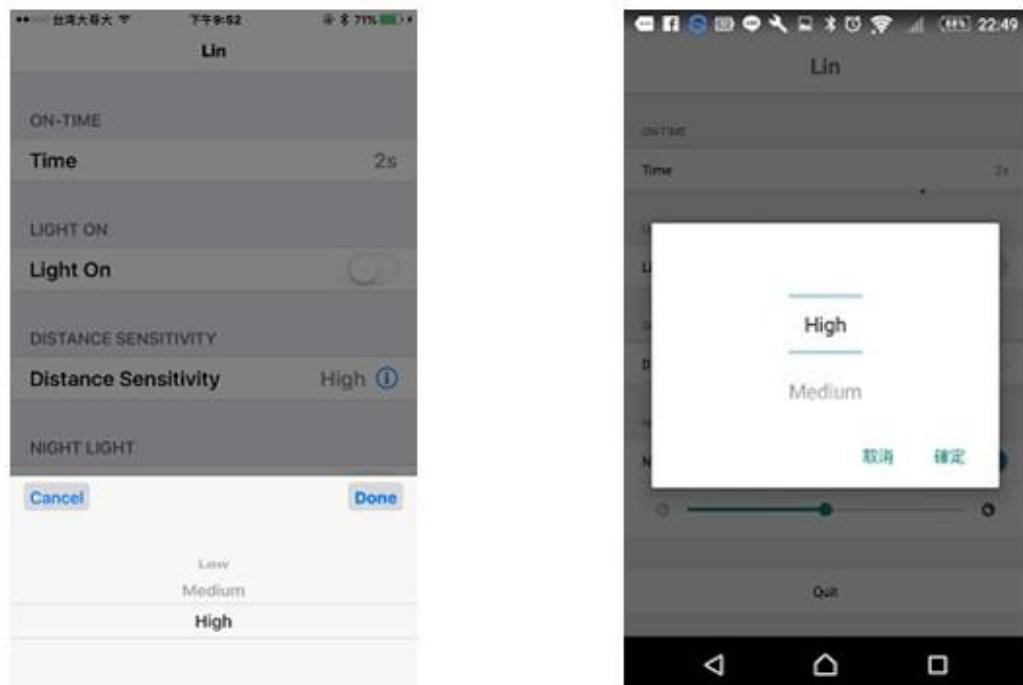
E. "HOW DARKNESS WHEN THE LIGHT ON?" { To set the Light On active time on from sunset to darkness }

This setting choice is for when you desire the light to become active at sunset.

On the App screen Lux setting under the heading "How Darkness When The Light On" Is a choice whereby using the slider between Low, Medium or High and choose when you would like the sensor light to become active during sunset / night time.
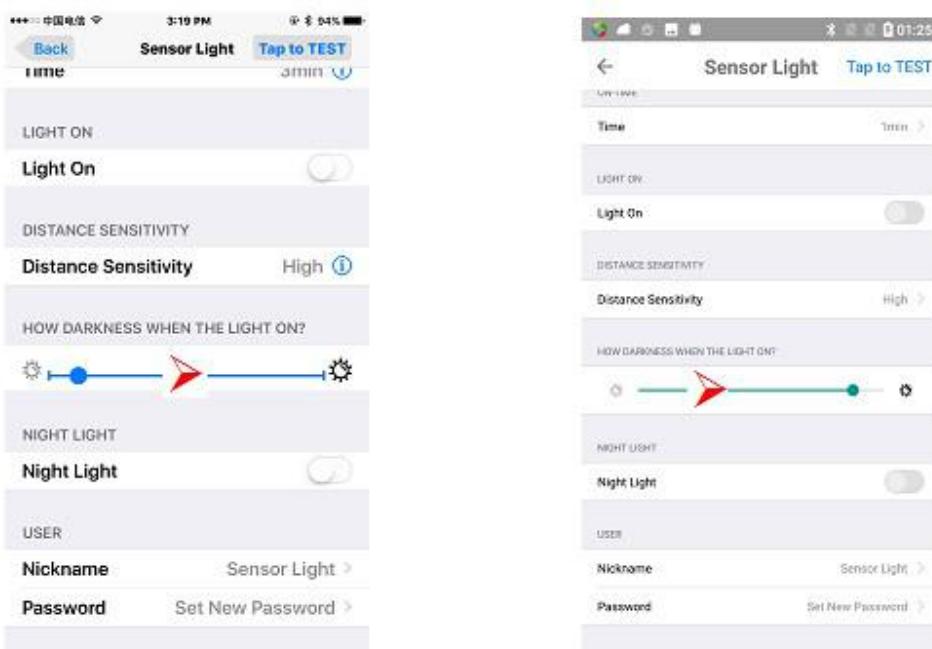
8. **To Perform sensor testing after a day time installation,**

To test if your motion sensor light is active and operational during day time - Just walk past the light motion sensor area and on detection, and a noticeable LED Red light will flash for 2 seconds through the motions sensor lens cover and this indication this will be repeated when you walk past the detection area that shows the light is operations and active.

9. **Reset to original default setting**

Should you forgot the password, you can switch off the power to the light 4 times (off-on-off-on) within 3 sec., and the Light will reset and a new password can be entered.

SPECIFICATIONS

1. Detection Method: Passive Infrared Sensor (PIR). PIR measures infrared light radiating from objects in its field of view. Apparent motion is detected when infrared levels change.
2. Sensor Range: 65Ft / 20m x 220 degree spread
3. Power Source: 120VAC/60Hz, 36.2W
4. With AC COB LED Chip: 2pcs * 16W
5. Load Rating: No extra lights should be added to this unit

ADVANTAGES OF LED'S

1. Energy saving – much lower power consumption and cost savings.
2. Solid State lighting – no filament to break.
3. No forward heat & low fitting heat. Much safer.

CARE AND CLEANING

1. To prolong the original appearance, clean with clear water and a soft, damp cloth only.
2. Do not use paints, solvents, or other chemicals on this light fixture. They could cause a premature deterioration of the finish and will not be covered by the warranty.
3. Do not spray with a hose or water power washer.