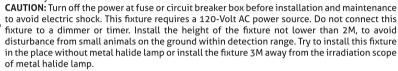
# sunlite **INSTALLATION INSTRUCTIONS**

## LED Dual-Head Round Security Light | 88906,88907,88908,88909

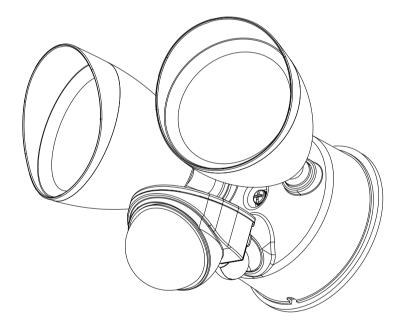
Please read and understand this entire manual before attempting to assemble, operate or install the product.

WARNING: Avoid fire or electric shock. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved. Before installing the fixture, ensure that all parts are presen and same as the part list. If any part is missing or damaged, do not attempt to assemble, install, or operate this fixture. The fixture should be installed away from air conditioner, refrigerators, stoves and other sensitive to changes in air temperature, as well as windows and other strong hot air flow places. When the air temperature is close to a person's body heat, the detection sensitivity will reduce.



Mounting Location: Wall or eave mounted.

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 inference, and (2) this device must accept any inference received, including that may cause undesired operation. Retain these instructions for future maintenance reference.



Rated Voltage	120V/60Hz
Rated Wattage	20 W
Max Detection Distance	15m
Max Detection Degree	150°(plane detection degree)
Rated Luminous Flux	1800 lm

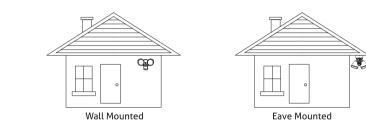
# Sunshine Lighting Company

744 Clinton Street Brooklyn, NY 11231, USA **T.** 718.768.7000 **F.** 718.768.0970 www sunlite com

# 3. Installation

3.1 Mounting location: wall or eave mounted.

3.2 Mounting Height: The light fixture should be mounted approximately 8ft (2.2-2.5 m) above the ground. If the light fixture is mounted higher or lower than recommended, the coverage area, distance or sensitivity of the sensor will be changed accordingly.



### 3.3 Tools Needed To Install





Flathead screwdriver

Æ

Wire strippers/cutters

Rubber Gasket

Ф114x4mm Waterproof





 $(\mathbf{F})$ 

Prevent water from

entering the light fixture

3.4 Part list

C/N

1

2

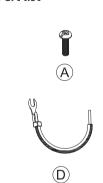
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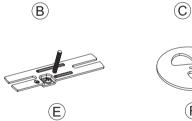
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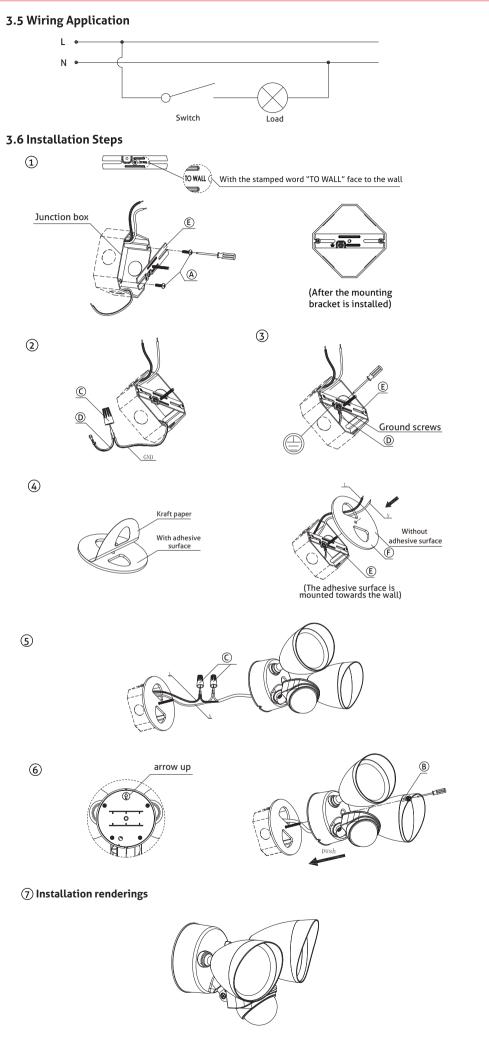


Circuit tester



Insulated gloves

Part	Quantity	Specification	Function
A	2	8#-32UNCx3/4" Screws	Fix mounting bracket or mounting universal board
B	1	M4x13mm Hand Screw Nuts	Fix the light fixture onto the mounting bracket
Ô	3	P3/Ф12.7x22mm Wire Nuts	Connect wall wires, ground wire and fixture wires accordingly
D	1	18AWG Ground Wire with Terminal	Connect wall ground wire and fix the terminal onto the mounting bracket
E	1	98x20x4.6mm Mounting Bracket	Connect junction box and light fixture



# 4. Operation

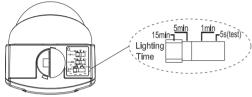
#### 4.1 Setting for the light coverage area

- 1 Tilt the light head left or right to adjust the light coverage area, see the arrow indication direction 1 and 2 to adjust the light head.
- (2) Tilt the light head up or down to adjust the light coverage area, see the arrow indication direction 3 and 4 to adjust the light head.



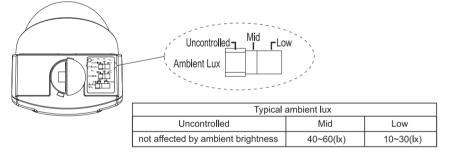
### 4.2 Setting for the lighting time

- ① Adjust the switch of "Lighting Time" can set the duration of lighting time when the sensor detect an object movement, then it will turn the light on (The duration time when the objects stop movement), it can be set to 15min,5min,1min and 5s(test).
- 2 When set on 5s(test) position, it is used to test for installation, which is not controlled by ambient lux, and the light will stay on for 5 seconds.



#### 4.3 Setting for the ambient lux of the sensor

① Adjust the "Ambient lux" switch can set the ambient brightness of the sensor by position the switch to uncontrolled (not affected by ambient brightness), Mid(the ambient brightness is brighter) or Low (the ambient brightness is darker)position.



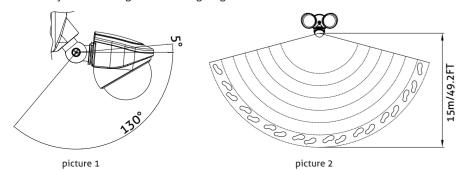
#### 4.4 Setting for the motion sensor detection scope

#### 4.4.1 Adjustment for the detection scope

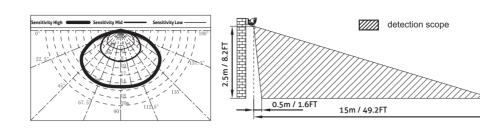
① The sensor can be adjusted clockwise or counterclockwise per requirement, the maximum can reach 45 degree, for the purpose of changing the detection scope.



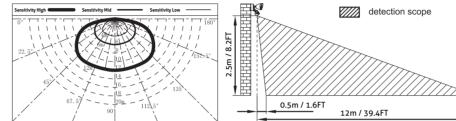
- The sensor can clockwise rotate max 45°
- The sensor can counterclockwise rotate max 45°
- 4.4.2 Adjustment and setting for the detection distance
- 1 As shown in the picture 1(schematic diagram of the max detection scope). The sensor can be adjusted up 45° or down 130°. When fixture installed on the vertical wall, adjust the sensor to different degree can change the detection distance. Normally, when installation at 5° depression angle for sensor, the detection distance is the largest. The detection distance and sensitivity will be changed if mounting height is different.



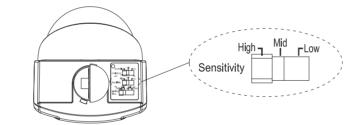
- 2 Typical schematic diagram of the detection scope for sensor different mounting angles.
- a. When installation at 5° depression angle for sensor, the detection distance is the largest, see below picture.



### b. When mounting at 45° depression angle will shorten the detection distance, see below picture.



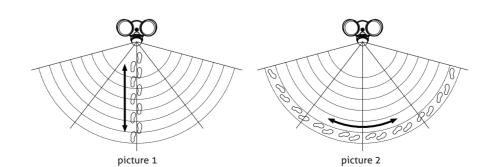
· Adjust the "Sensitivity " switch can set the sensitivity of the sensor means changing



Typical detection distance when fixture is installed on the vertical wall(lateral movement)			
Mounting Angle	High	Mid	Low
5°depression Angle	15m / 49.2ft	8m / 26.25ft	5m / 16.4ft
45° depression Angle	12m / 39.4ft	6m / 19.7ft	4m / 13.12ft

③ Instruction about the setting of motion sensor detection scope

- a.To determine the detection scope of motion sensor need to perform a simulation test: walking in an arc across the front of the motion sensor.
- b.The motion sensor is less sensitive if in a radial movement. As shown below (picture 1). c.The motion sensor is more sensitive if in a lateral movement. As shown below (picture 2). d.Watch the light, if the light come on indicate motion has been detected and give out lighting signal.
- e.Stop walking and wait for the light to turn off and then begin walking again.



5. Working Mode

### 5.1 Working mode selection

Working Mode	<b>Operation To Select Mode</b>	Succeed The Mode
PIR Control	Repeat 'OFF-ON' 2 times	Light flash <b>1</b> times
Photosensor Control	Repeat 'OFF-ON' 2 times	Light flash 2 times
Power Switch Control	Repeat 'OFF-ON' 2 times	Light flash <b>3</b> times

Working Mod

PIR Control

Photosenso Control

Power Switch Co

### 6. Maintenance

#### 6.1 Care and Cleaning

a soft, damp cloth. not be covered by the warranty.

#### 6.2 Troubleshooting

	Problem	
	The light will	1. Tł
		2. Th
		3. Da
	not come on.	4. Th
		5. Th th
		6. Th th
		1. Th in
	The light comes on during the day.	2.Th "Te
		3.Po fixi ke
	The lights turn off too late in	1. Th re se
	the Dusk-to- Dawn setting.	2. Do to
	The light comes on for	1. Th an
	no apparent reason.	2. Th Wa
	The lights stay on	1. Th pi
	continuously.	2. Th cii
	The lights flash	1. He mi se
	on and off.	2. He ot m

c. Setting for the detection distance means the setting of sensitivity

the sensor's detection distance, it can be positioned to high, mid and low.

de	Illustration
	<ol> <li>The factory default mode.</li> <li>Function setting details see step 4.</li> <li>When light is powered on again after power off, light will self check for one minute, light will keep on in this process.</li> </ol>
or	<ol> <li>Function setting details see step 4.3</li> <li>When it is detected that the ambient illumination is lower than the set value, the light will be turn on.</li> <li>When it is detected that the ambient illumination is more than the set value, the light will be turn off.</li> <li>the ambient illumination is detected once every 30 seconds.</li> </ol>
Control	1. Turn on/off the light by ON/OFF switch.

Note 3: The light has power-off memory function and will recover to the working mode before power-off when power on.

a. To prolong the original appearance, suggest to clean the light fixture with clear water and

b. Do not use paints, solvents, or other chemicals on this light fixture. They could cause a premature deterioration and damage to the finish. This is not a defect in the finish and will

c. Do not spray the light fixture with a hose or power washer.

Solution
Turn the light switch on.
Replace the fuse.
Recheck after dark, or reset "Ambient lux" to the appropriate position.
Verify the wiring is correct.
Re-aim the motion sensor or adjust the install location to cover the desired area.
Reset the "Sensitivity" switch to the appropriate position or relocate the light fixture.
Set the "Ambient lux" switch to the appropriate position or reposition the motion sensor.
For the convenience of user testing, we close "Test" switch's light function of "Lighting Time" specifically, just set to other position, the light function will restore.
Come to normal when self-test is over.
Relocate the light fixture.
Reset "Ambient lux" to the appropriate position.
Adjust the "Sensitivity" setting to appropriate position or reposition the motion sensor.
Decrease the "Sensitivity" setting or relocate the light fixture.
Reposition the motion sensor.
Install the light fixture on a circuit without high power motors and transformers.
Reposition other bulbs to keep away from the motion sensor or adjust motion sensor direction or relocate the light fixture.
Decrease the " Sensitivity "setting or reposition the motion sensor.