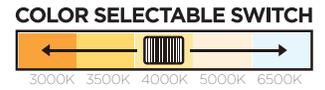


sunlite®

INSTALLATION INSTRUCTIONS

LED Dual Head Round Security Light



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

WARNINGS & CAUTIONS: Risk of fire or electric shock, Turn off the power at fuse or circuit breaker box before installation and maintenance to avoid 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. To prevent fire, this fixture is rated for use in 120V 50/60Hz protected circuit and 90°C rated supply wire. To prevent product malfunction and/or electrical shock, this product must be properly grounded. Do not make or alter any open holes in an enclosure of wiring or electrical components during installation. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. account for small parts and destroy packing material, as these may be hazardous to children. To protect against water damage and maintain proper light operation, the motion sensor adjustment controls **MUST** face downward. Not for use with dimmers or 3-way switches. If you have those in place, remove them and replace with regular electrical switches. Suitable for wet locations.



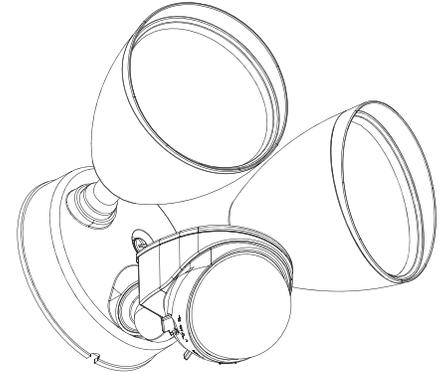
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful inference, and (2) this device must accept any inference received, including that may cause undesired operation.

Retain these instructions for future reference.

v2026

SPECIFICATIONS

Rated Voltage	120V 50/60Hz
Rated Wattage	24W
Output Lumens	2000lm
Detection Range	Max 16M (52-1/2") x 150°
Color Temperature	5CCT 3000K/3500K/4000K/5000K/6500K



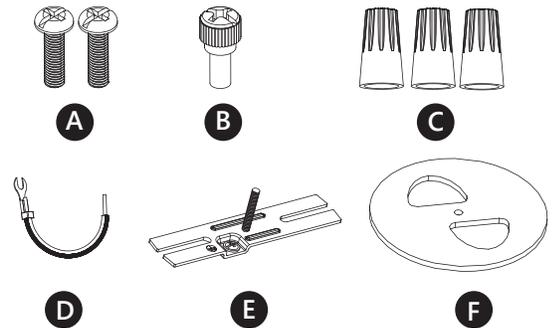
Pictures are for illustration purposes only. Your model may vary.

PRE-INSTALLATION

HARDWARE INCLUDED

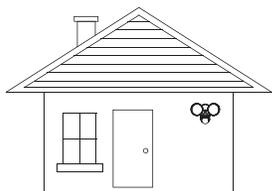
Carefully remove the contents from the package. If any parts are missing do not attempt to use the product until they have been obtained and correctly installed.

Part#	Description	Quantity
A	Machine Screw, #8-32UNC x 3/4"	2
B	Hand Nuts, M4 x 1/2"	1
C	Wire Nuts	3
D	18AWG Ground Wire with Terminal	1
E	Crossbar 3.86x0.79x0.18"	1
F	Waterproof Rubber Basket ϕ 4-1/2" x 1/6"	1



Tools Required: Phillips Screwdriver; Silicone (optional, used for wet locations) PPE - Eye Protection

Installation Location



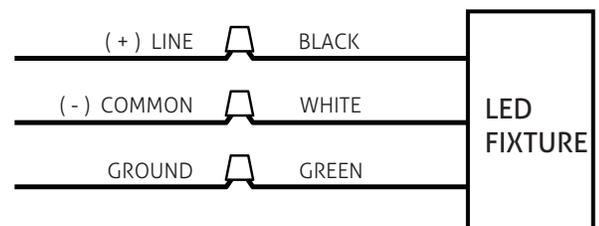
Wall Mounted



Eave Mounted

The security light is best installed at a height of about 8 feet (2.2m-2.5m) above the ground, if the installation height is too high or too low, the detection range of the sensor distance and sensitivity will change.

Wiring Diagram



INSTALLATION & ASSEMBLY

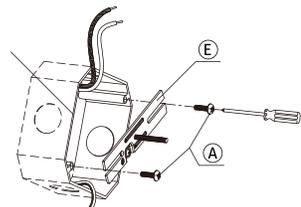


Fig 2-1

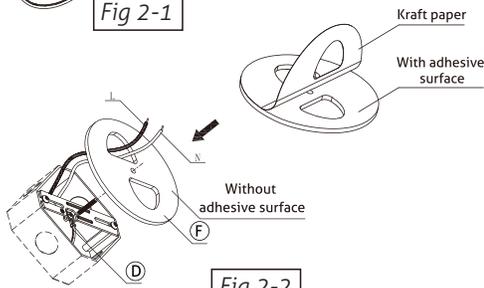


Fig 2-2

1. Turn OFF power before installation. Secure the Mounting Bracket (**E**) to the junction box with Machine Screws (**A**) provided. (Fig 2-1)
2. Remove the protective paper from the adhesive face of the EVA Gasket (**F**). Pull the power supply wires through the gasket opening. Adhere the EVA Gasket to the mounting bracket and outer edge of the round, surface mount junction box. (Fig 2-2).
3. Connect the wires according to the Wiring Diagram and secure with Wire Nuts (**C**). Secure the junction box's Ground Wire on the Mounting Bracket (**D**). Tuck wires into junction box once you confirm wire connections are secure. (Fig 2-3)
4. Remove the rubber cap and fasten the fixture to the bracket with screws provided. Make sure the motion detector head is NOT upside down. Rotate the motion sensor so the controls face detection areas. (Fig 2-4)
5. After mounting the fixture, apply a silicone sealant compound (not included) around the mounting surface (Fig 2-5).
6. Installation is complete. Turn power ON.

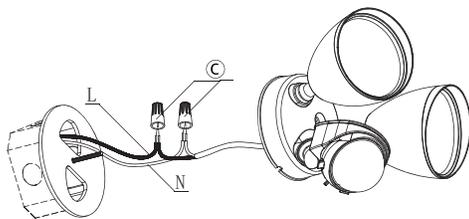


Fig 2-3

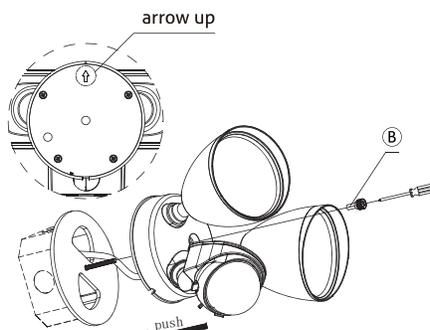


Fig 2-4

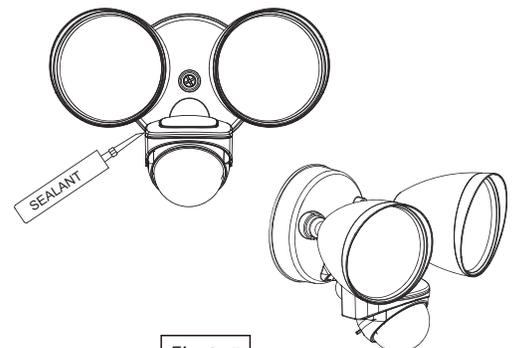


Fig 2-5

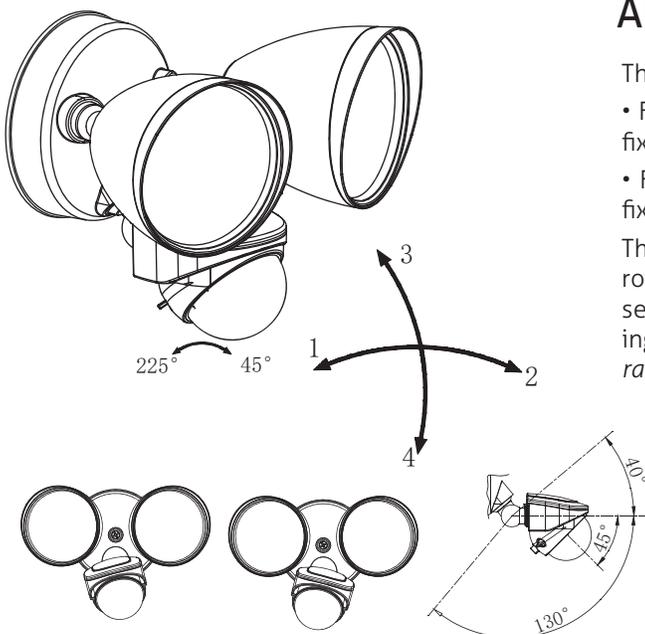
SETTINGS & OPERATIONAL INSTRUCTIONS

ADJUSTMENT AND ROTATION

There are 4 swivel points for adjusting the light position:

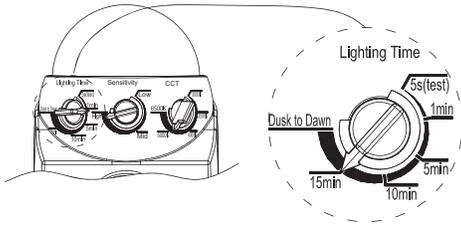
- For left and right adjustment of the light irradiation area, adjust the fixture head in the directions indicated by Arrow 1 and Arrow 2.
- For far and near adjustment of the light irradiation area, adjust the fixture head in the directions indicated by Arrow 3 and Arrow 4.

There are 4 swivel points for adjusting the sensor position. you can rotate the sensor clockwise or counterclockwise, up to 225°. the sensor can be adjusted up 40° or down 130° as shown in the following figure. *The angle of the motion detector head affects the detection range.*



TIME SETTING

To test the security light, switch the light to 5S Mode. Once testing is complete, switch to: Dusk to Dawn, 1 Min to 15 Min.



LIGHTING HOLD TIME SETTING	
Dusk to Dawn	When this mode is enable, motion sensor is turn off and fixture is controlled by the ambient light. < 50 lux : Light On; > 150 Lux, Light Off
15 Min 10 Min 5 Min 1 Min	The light switches on when motion is detected, and will turn off after the set hold time (15/10/5/1 min) if no further motion is detected.
5S (test)	Installation & commissioning mode, not controlled by ambient brightness, lighting duration 5s.

Turn the "Lighting Time" switch to set the duration that the light remains on after the sensor detects motion (and motion stops). Available settings include: Dusk to Dawn, 15min, 10min, 5min, 1min, and 5s (Test).

When in Dusk to Dawn mode, the light is controlled by ambient brightness, and the motion detection function is disabled. The light turns on or off automatically based on ambient brightness.

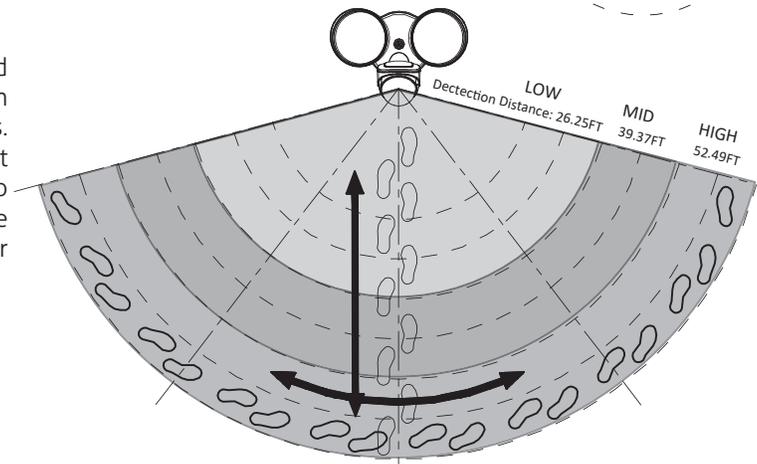
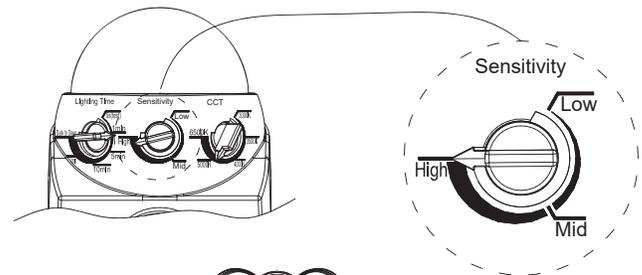
Indoor Installation: The ambient brightness thresholds for the light to turn on and off will vary (higher or lower) depending on the indoor environment.

MOTION DETECTION RANGE SETTINGS

There are (3) setting modes (Sensitivity) you can select to establish the motion detection range:

- **Low 0 - 26.25ft**
- **Mid 26.25ft - 39.37ft**
- **High 39.37ft - 52.49ft**

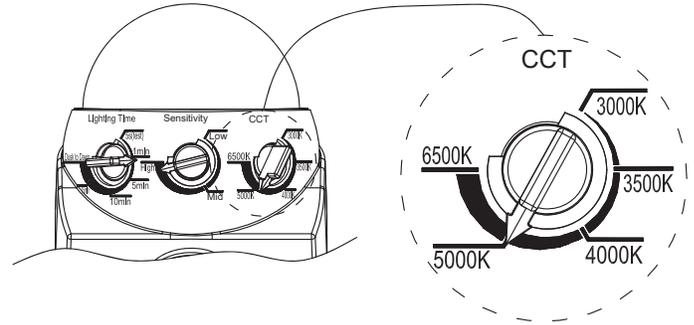
To determine which setting is best for your location and whether you need to reposition the LED heads lay down a measuring tape from light location extending outwards. Next, walk in an arc across the front of the light to set off the motion detector and turn on the light. You can also walk straight towards the light to determine the distance you require. Select the appropriate setting based on your findings.



Detection Distance Setting

CCT SETTING

There are (5) color temperature settings you can select to match a wide range of applications. which can be set 3000K, 3500K, 4000K, 5000K and 6500K.



MAINTENANCE & Troubleshooting

Problem	Possible Reasons	
The security light doesn't work	The Light power switch may not be turned on.	Check and turn on if not
	Power Fuse Blown	Check and replace a new one
The security light work	The sensor function work during the day	Check after dark.
	Bad Connection	Check and reconnect if yes
The security light work during the day	The sensor is not set at the correct angle.	Reorient the sensor or security light to cover the desired area.
	The environment is almost identical to the human body temperature.	Re-Adjust the "Sensitivity" to the appropriate level. or Relocate the installation.
The security light work during the day	PIR sensor is installed in a relatively dark location.	Relocate the installation.
	"Lighting Time" is at the '5S' Test Mode	In order to facilitate users to Test, we deliberately turn off the light sensing function of "5S" Test mode of "Lighting Time", only need to adjust "Lighting Time" to other, and the light sensing function will return to normal.
Lights off too late at Dusk to Dawn	Power-on self-test (there will be a self-test when the fixture is first time turned on, and the light will be on continuously during this period).	When the self-test is over, it will start working normally
	May be installed in a darker location and insensitive to changes in external light.	Adjust the security light position.
No obvious reasons but the light to work	The sensor may sense the passage of small animals, or heat generating sources such as cars.	Re-Adjust the "Sensitivity" to the appropriate level. or Relocate the installation.
	The environment is higher than the human body temperature.	
Security light is constantly on	The sensor may sense a heat source.	Relocate the installation.
	Works in the same circuit with the motor and transformer	Do not let the lamp and high-power motor, transformer work in the same circuit.
Security light continues to flicker on and off	Heat and light from other lights may cause the motion sensor to turn on and off.	Change the mounting position of other lights or adjust the orientation of the sensor, or change the mounting position of this product.
	Heat is reflected from other objects and may cause the motion sensor to turn on and off	Re-Adjust the "Sensitivity" to the appropriate level. or reposition the motion sensor.