

INSTALLATION INSTRUCTION

Features

1. The fixture is with motion sensor .
- 2 . Working only at night when motion is detected .
3. In HIGH mode , the light will automatically turn to low brightness after no motion is detected (30% brightness) . Detected Fall might when motion is detected .
4. When in auto mode , switch the wall switch on/off to enter manual overnight mode , the light will turn on and stay on for about a night ($8H \pm 1H$) , or until the " dusk to dawn " sensor detects light in the morning .
5. In LOW mode , the light award automatically goes off after no operation power are detected . Detected Fall might when motion is detected .

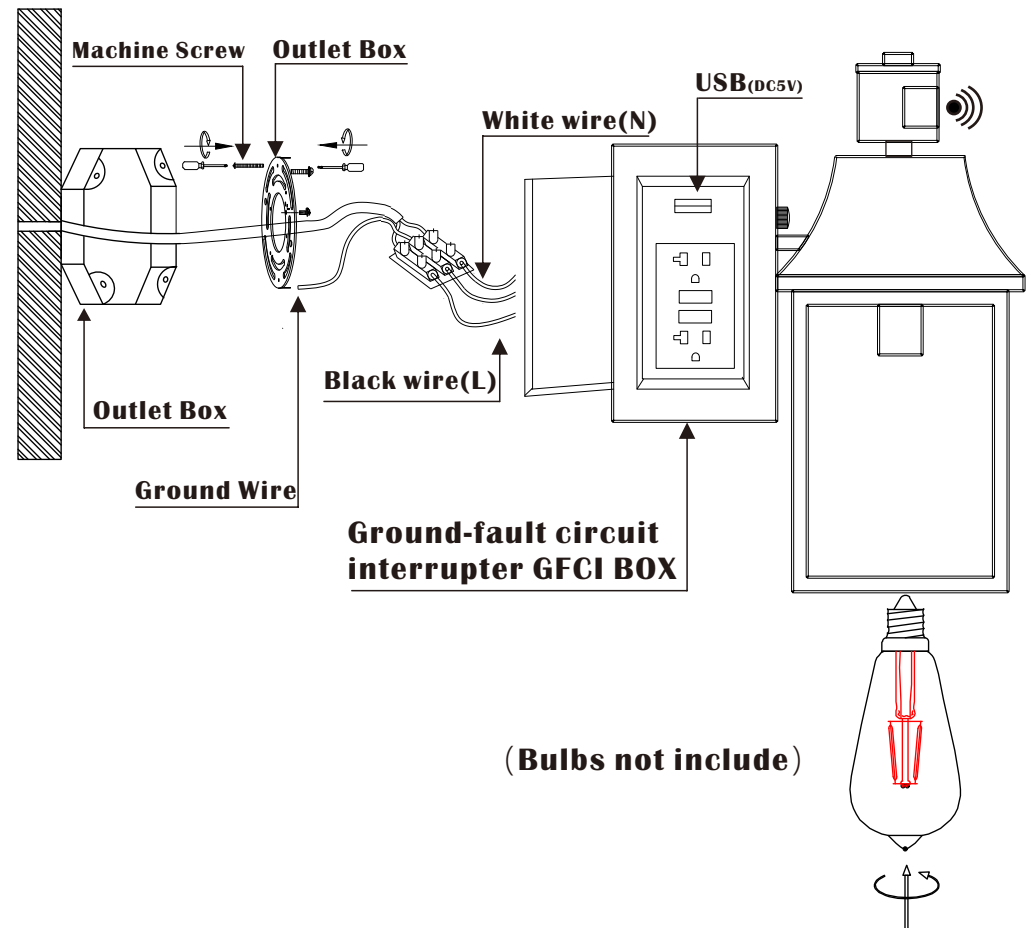
INSTALL STEPS

1. Attach the mounting plate to the outlet box by using two mounting screws.
2. Pull out the wires and grounding wire from the outlet box. Make wire connections using the wire nuts, as follow.
 - Connect the hot wire (usually black installation) from the fixture to the black wire from the power source.
 - Connect the neutral wire (usually white insulation) from the fixture to the white wire from the power source.
 - Attach the fixture grounding wire (usually green insulation or bare wire) to the mounting strap with the green grounding screw. Then connect it to the house grounding wire with the wire nut.Carefully put the wires back into the outlet box.

3. Attach the back plate to the mounting plate by inserting the screws, then secure it with two nuts.

CAUTION: With silicone caulking compound, caulk completely around where the back plate meets with the wall surface to prevent water from seeping into the outlet box.

Turn on the power at fuse or circuit box.

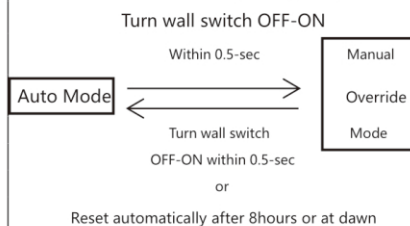


Motion Sensor Function and Operation

MODES OF OPERATION

Mode	Works at	ON time	Shut off delay time	Explanation
Stand-by mode	Day & Night	20 Sec	/	Turn on the power at the main fuse or circuit breaker box, the light will turn on immediately. Wait for about 20 seconds to allow the sensor to warm up. then the light will automatically enter into the TEST mode.
Test mode	Day & Night	As motion existing	5±3Sec	Regardless of day or night, the light will turn to 30% brightness after preheating, and the light will turn to 100% brightness after motion is detected, then turn to 30% brightness after 5±3 seconds. After the power-on preheating time (TON) is completed, it starts to count, and automatically enters the automatic mode after the time reaches 120±30 Sec. (Switch the power switch once in the test mode to automatically enter the automatic mode)
Auto mode	Night only	As motion existing	120±20 Sec	The light will auto off at dawn, auto on to low brightness (30% brightness) at dusk (LUX: 5-120LUX), then goes to 100% brightness after triggered by motion. When no motion is detected, the wall light will back to 30% brightness flexibly after 120±20 seconds. The sensing time can overlap. At dawn (LUX: MAX 800LUX), the light will be completely extinguished after 60±40 seconds.
Manual override mode	Night only	Manual override operate	8±1Hrs or Turn off at dawn	In Auto mode, switch the power switch to enter Manual Override mode, the light will turn on and stay on for 8H±1H, or until the "dusk to dawn" sensor detects light In the morning. After dusk to dawn sensor detects light (LUX: MAX 800LUX) for about 60 seconds, manual override mode will automatically go back to automatic mode.(See FIG.1) Note: 1. To make sure the above functions operate properly, always keep the wall switch in the "ON" position (including the daytime 2. Turn the wall switch "OFF", wait over 10 seconds and then switch it "ON" again, the light will revert to warm-up period again.

FIG.1 Manual Override Operating Diagram



Note:

- When motion is detected, the LED will flash 3 times slowly, and the LED will flash 3 times slowly, and the LED will flash 6 times quickly when Manual Override mode (the LED Indicator will not light when the motion is detected after entering the lock machine or the automatic mode is turned off), exit the Manual Override mode LED Will flash 3 times.
- The sensitivity of the motion sensor will increase as the environmental temperature gets cooler. For best performance, gently clean the lens with a soft cloth every 1 or 2 months to assure maximum sensitivity.
- For best performance, install fixture at least 6 feet above The ground. At such a height, the lantern will provide a detection distance of up to 40 feet at 77 degrees Fahrenheit.(See Fig.2)
- The sensor detects across a detection range of 220 degrees.(See Fig3)
- The sensor will be more sensitive to motion across its detection path than motion directly towards it. (See Fig.4)
- To reduce possible nuisances, do not mount the fixture near a heat source like an air conditioner, vent or furnace exhaust, or in a direction facing any reflecting object or other light source.

Troubleshooting

SYMPTOM	Possible Cause	Solution
the light doesn't work in Test Mode	Wall switch or circuit breaker is off The wiring is mistake	Turn on a switch or circuit breaker. Check wire connections.
In Auto mode, the lighting fixture does not turn on when there is motion	Wall switch or circuit breaker is off	Turn on a switch or circuit breaker
	Light bulb may be dead.	Test the light bulb in a known working light fixture
	Light bulb is loose.	Tighten the light bulb in the socket
	Incorrect or loose wire connections.	Check wire connections.
	Too much sunlight is shining in the dusk-to-dawn sensor in the early evening.	Relocate fixture away from a western facing wall.
Too much light is shining onto the dusk-to-dawn sensor due to another light source, such as a street lamp or other light fixture.		Eliminate or turn off other light source, block other light source from shining onto dusk-to-dawn sensor, or relocate fixture.
In Auto mode, the lighting fixture stays on at 100% brightness continuously.	False triggering caused by a heat source, such as a heater or dryer vent, or heated swimming pool.	Eliminate heat source or relocate fixture
the lighting fixture comes on at 100% brightness for no apparent reason	False triggering caused by a heat source, such as a heater or dryer vent, or heated swimming pool.	Eliminate heat source or relocate fixture
The lighting fixture comes on during the daytime or too early in the evening	The fixture may be installed in a shaded area, such as under a porch or eave, preventing daylight from shining onto the photocell sensor.	Relocate the fixture
In Manual override, the light stays on after dawn	the ambient light level is too low	Relocate the fixture

