# ASSEMBLY AND INSTALLATION INSTRUCTIONS

**T0807**

**WARNING: Turn off the main power at circuit breaker before installing fixture.**
**AVERTISSEMENT: Coupez la source d'alimentation principale au panneau central de disjoncteurs avant d'installer le luminaire.**

**NOTES: 1. Before installing, consult local electrical codes for wiring and grounding requirements.**
**2. Read and save these instructions.**

## Important to Know

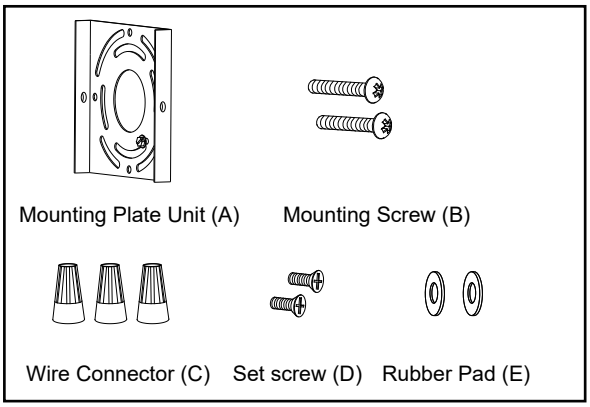
1. Read all instructions carefully before installation and operation.
2. If you are not familiar with state and local electrical codes, it is recommended that you consult with a qualified electrician.
3. Before installation, shut off power at the main fuse or circuit breaker box. Be aware that simply turning off the wall switch is not sufficient to prevent an electrical shock.
4. This fixture requires a 120V AC, 60 Hz power source.
5. Do not attempt to take the lantern apart; there are no serviceable parts inside.
6. To avoid sensor damage by lightning or electrical surge, make sure the ground wire is securely connected.
7. For general safety and to avoid any possible damage to the sensor, be sure the power is switched "off" before replacing the bulb.
8. Compatible with most LED dimmable bulbs.
9. Only a general ON/OFF wall switch applies for this fixture, a dimmable wall switch shouldn't be used.

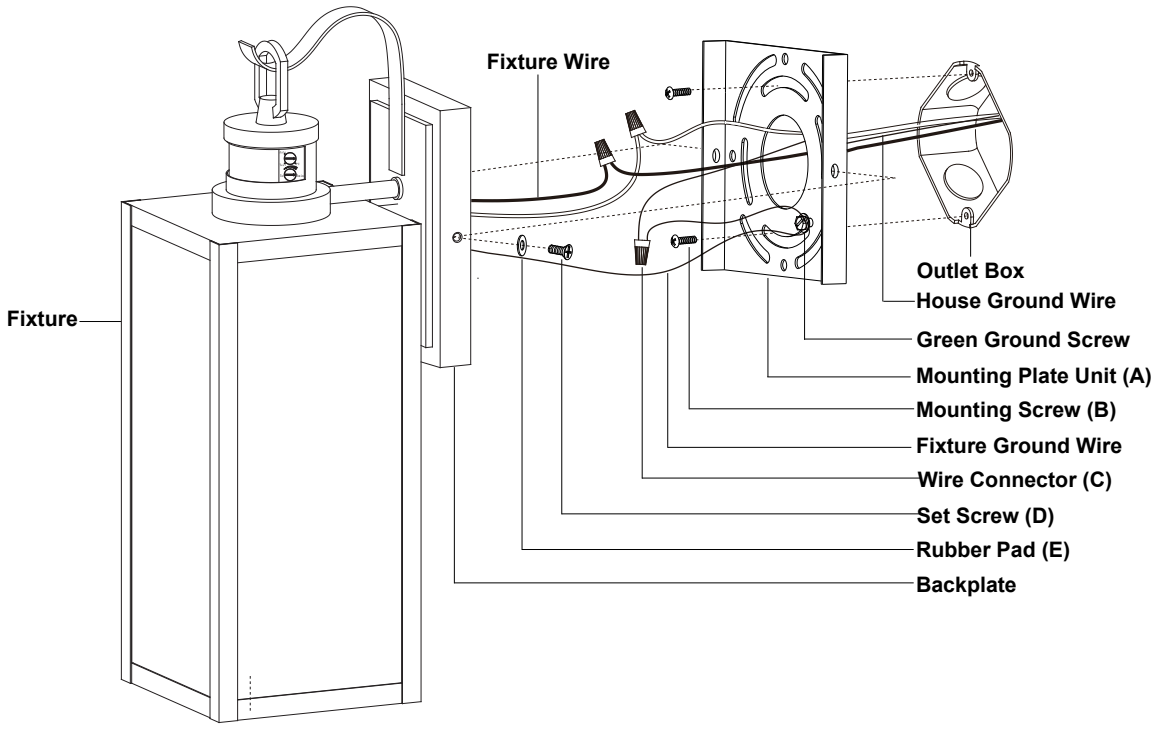
**Maximum Wattage: 60W Bulb**
**Working Temperature: - 22°F~113°F**

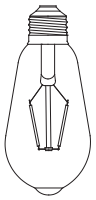
## Features

1. Energy saving fixture.
2. When in manual override mode, use wall switch to keep the light ON till dawn.

## Hardware Package (included):



**Max. 60W Vintage Bulb (not included)**



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## Installation steps

Turn off the power at fuse or circuit box.

1. Unscrew the two set screws (D), remove the two rubber pads (E) and the mounting plate unit (A) from the backplate.

2. Attach the mounting plate unit (A) to the outlet box by using two mounting screws (B).
   **Note: Make sure that two set holes are lined up horizontally to make the fixture level.**

3. Pull out the source wires from the outlet box. Make wire connections using wire connectors (C) as follows:
   • Connect the hot wires (black insulation) from the fixture to the black wire from the power source.
   • Connect the neutral wires (white insulation) from the fixture to the white wire from the power source.
   • Attach the fixture ground wire (bare wire) to the mounting plate unit (A) with green ground screw, then depending on local code, connect it to the house ground wire with the wire connector (C).
   Carefully put all of the wires back into the outlet box.

4. Attach the backplate of the fixture to the mounting plate unit (A) by aligning holes, secure the two set screws (D) and the two rubber pads (E) from the side hole of the backplate into the hole of the mounting plate unit (A).
   **Note: With silicone caulk compound, caulk completely around where the backplate meets with the wall surface to prevent water from seeping into the outlet box.**

5. Install the bulb (not included). See relamping label at socket area or packaging for maximum wattage allowed.

Turn on the power at fuse or circuit box.

## Function and Operation

MODES OF OPERATION

Choose a mode by turning the rotary knob. The light will turn on immediately when power is applied. Wait for 10 seconds to allow the sensor to warm up.

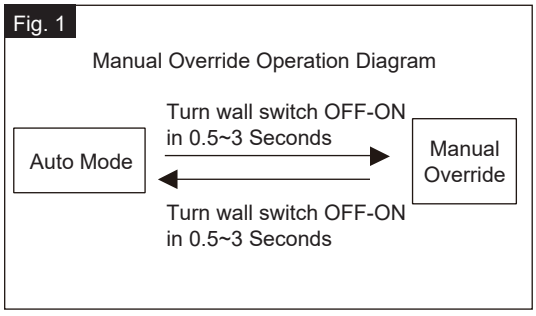
1. Test MODE (daytime and nighttime operation)
   ● Rotate knob arrow to point to "Test". The light will turn on when motion is detected, and stay on as long as the motion continues. The light will turn to low-level brightness (30%) after 5 seconds when motion is no longer detected.

2. Auto MODE (nighttime operation only)
   ● Rotate knob arrow to point to "Auto". At dusk, the light turns on to low-level brightness (30%). When motion is detected the light will turn to high-level brightness (full brightness) and stays on as long as the motion continues. When the motion stops, the light will remain on high-level brightness (full brightness) for the predetermined time set (5~180 seconds) and then turns to low-level brightness (30%).
   ● The light will turn off automatically at dawn.

3. PC MODE (nighttime operation only)
   ● Rotate knob arrow to point to "PC". The light will turn on automatically at dusk and turn off at dawn.

4. Manual Override MODE (nighttime operation only)
   ● To shift to the manual override mode, set the switch to "Auto" mode. Turn the wall switch "OFF" and "ON" within 3 seconds. The light will remain on until dawn. To restore "Auto" mode, turn the wall switch "OFF" and "ON" within 3 seconds. (See Fig.1)
   ● The light will last for one night only and turn off automatically at dawn.

Fig. 1




Note: 1. Always keep the wall switch in the "ON" position (including daytime).
2. Please notice the warm up time is 10 seconds, any operations are invalid during this time.



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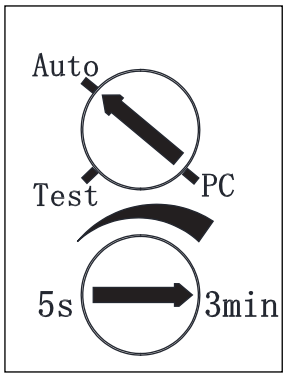
## Customization Options

### Shut-off Delay

1. The Shut-off delay is the length of time that the light will stay on after motion stops.
2. The Shut-off delay can be adjusted by using the "Time" knob when the knob is set in "Auto" mode. (See Fig.2)
3. The range of shut-off delay is 5 seconds to 3 minutes.
4. Rotate the knob clockwise for increasing the shut-off delay.
5. Rotate the knob counterclockwise for decreasing the shut-off delay.

Fig. 2

**(View from back of sensor lens)**




### NOTE:

1. The sensitivity of the motion sensor will increase as the environmental temperature gets colder. For best performance, gently clean the lens with a soft cloth every 1 or 2 months to ensure maximum sensitivity.
2. When installed at a height of 6.5 feet, at 77 degrees Fahrenheit, the light will provide a maximum detection distance of 30 feet and detection range of 180 degrees. (See Fig.3,Fig.4)
3. The sensor will be more sensitive to motion across its detection path than motion directly towards it. (See Fig.5)
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.

Where you install your light is important:
Be sure the light is mounted straight on the wall; otherwise, the detection distance may be limited.

Fig. 3

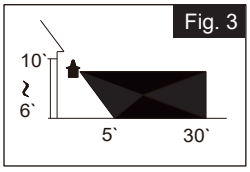



Fig. 4

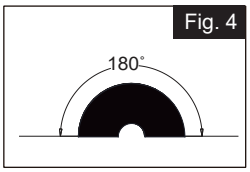
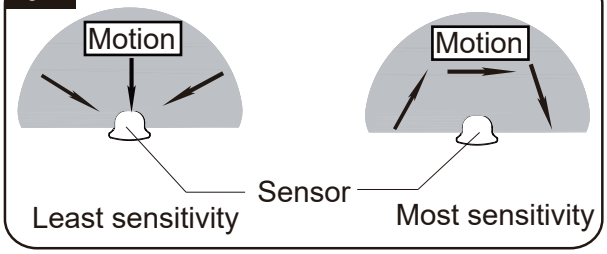



Fig. 5




## TROUBLESHOOTING

Refer to following information to solve your problems.

| SYMPTOM | DAY/NIGHT | POSSIBLE CAUSE | SOLUTION |
|---|---|---|---|
| If the light isn't on | Day | Rotary knob is not set in the test mode. | Set the rotary knob in the test mode for testing. |
| | Night | Wall switch or circuit breaker is off. | Turn on wall switch or circuit breaker. |
| | | Light bulb may be burned out. | Test the light bulb on normal working light fixture. |
| | | Light bulb is loose. | Tighten the light bulb. |
| | | Incorrect or loose wire connections. | Check wire connections. |
| | | Too much sunlight is shining onto sensor in the early evening. | Relocate fixture away from western facing wall. |
| | | Too much light is shining onto 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 sensor, or relocate fixture. |



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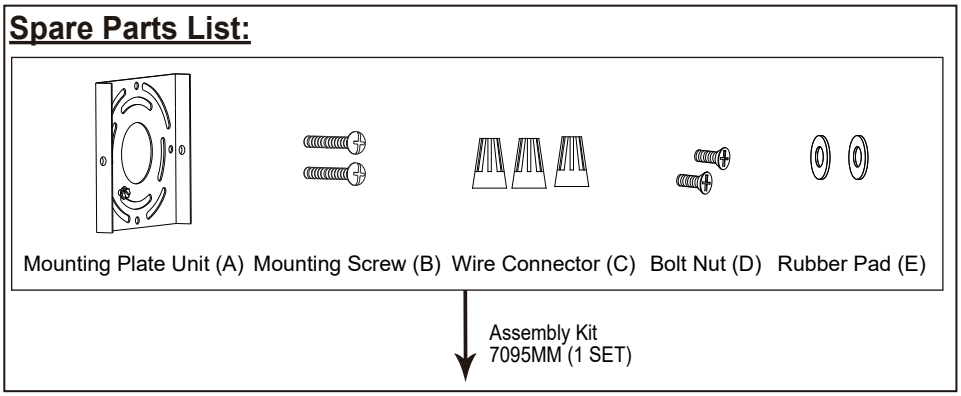
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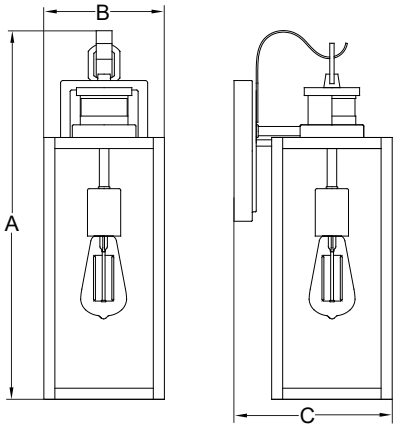
## TROUBLESHOOTING (continued)

| SYMPTOM | DAY/NIGHT | POSSIBLE CAUSE | SOLUTION |
|---|---|---|---|
| If the light stays on | Day | The fixture may be installed in shaded area. | Only need to relocate fixture. |
| | | On cloudy or overcast days, the light may stay on longer than anticipated. | No corrective action needed. |
| | Night | Still on the manual override mode. | Turn off the light, then turn it on after 5 seconds. |
| | | False triggering caused by a heat source, such as a heater, dryer vent, or heated swimming pool. | Eliminate heat source or relocate fixture. |
| | | The knob is not set in any mode. | Rotate it again to the mode you want. |
| If the light is blinking | Night | Passing cars and reflective objects interfere with the sensor. | Relocate fixture. |
| The light comes on for no apparent reason | Night | False triggering caused by a heat source, such as a heater, dryer vent, or heated swimming pool. | Eliminate heat source or relocate fixture. |

**The following parts are available for reorder if damaged or missing.**

**Spare Parts List:**




**A: 18-1/4" B: 6" C: 7-3/4"**

## 5 Year Limited Warranty

Vaxcel warrants all of our products against defects in workmanship and finishes for one year following the date of shipment.

In addition:

- Any product with an integrated motion sensor or dusk-to-dawn photocell is supported by a 5-year warranty for the functionality of the product.
- Any product with integrated LED modules is covered by a 5-year warranty on the LED functionality.

*Exclusions: This warranty does not include the failure of products from extreme acts of nature; environmental conditions not suited for the products intended use; operation in temperatures outside of the range specified in the instruction manual; usage with improper power supply, power surges or dips. For coastal locations, some corrosion is considered normal for the environment.*

*Vaxcel reserves the right to repair, replace or issue a credit for any properly installed product, provided it is returned per RMA instruction. This warranty is limited to the cost of the product only and does not extend to transportation, installation or replacement costs.*

How can warranty service be obtained?
info@vaxcel.com
1-800-482-9235



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