

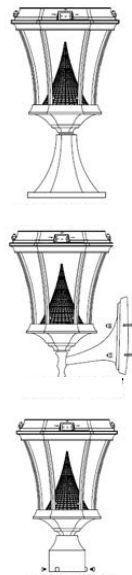


**SOLAR LAMP POST with Motion Sensor**  
US Patent # 7172307

**Instruction Manual**  
Models: GS-94S-PIR  
GS-94FPW-PIR



GS-94S-PIR



GS-94FPW-PIR

## INTRODUCTION

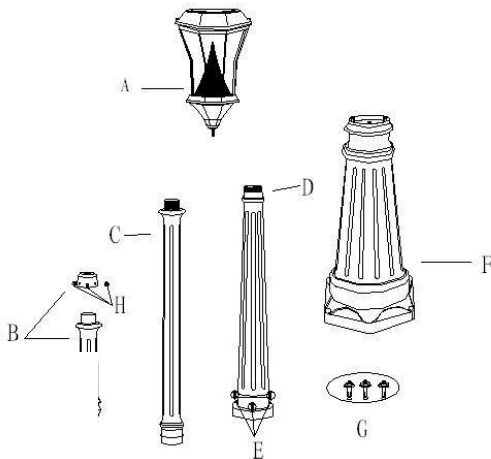
Thank you for your purchase. **GAMA SONIC®** solar charged accent lighting eliminates the problems associated with most solar lighting available today. **GAMA SONIC®** solar charged lights are brighter and last all night with a typical solar charge. Unique design, superior light output and numerous installation options confirm the outstanding value of the product.

**GAMA SONIC®** has been recognized as a worldwide leader in the lighting industry for over 20 years. The company also offers unique multi-purpose rechargeable products that range from party lights to emergency lighting products.

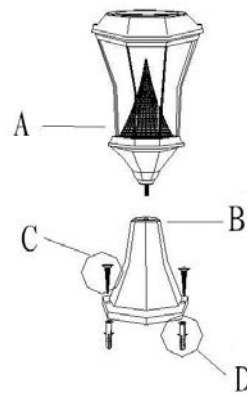
Please read the instruction manual carefully to obtain the best results from your purchase.

Unpack and identify the following components.

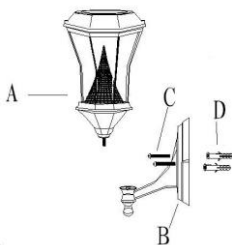
### Parts: GS-94S-PIR



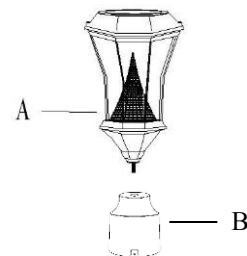
### Parts: GS-94FPW-PIR Pier mount

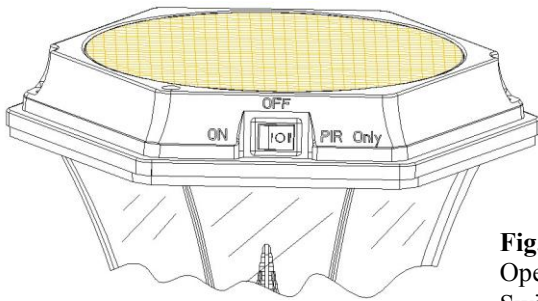


### Parts: GS-94NW-PIR Wall mount

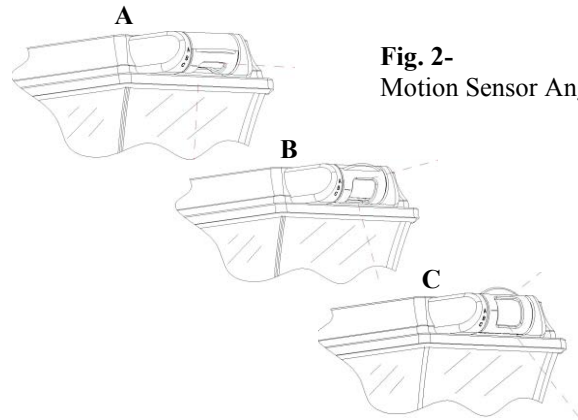


### Parts: GS-94NF-PIR 3" Fitter





**Fig. 1-**  
Operating  
Switch



**Fig. 2-**  
Motion Sensor Angle

Tools that are needed but *not* supplied with the high post solar lamp set are:

- A screw driver
- A wrench
- An electrical drill (this will be used to anchor the lamp base to the ground)

### **Solar Lamp Post Location**

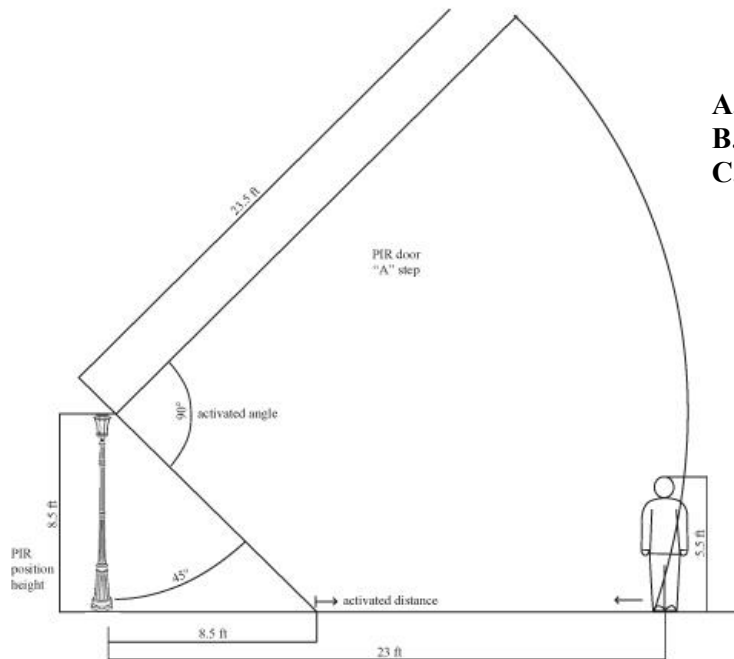
For optimum light duration throughout the night, it is very important to mount your solar lamp post in a spot where it will receive the maximum amount of sunlight throughout the day.

### **Operation Instructions**

Turn the exterior switch according your needs as follow (Fig. 1):

- ON - Light turns on automatically at dusk and will be brighter when motion is detected. The Light duration when Motion sensor is activated is about 45 Second And then return to a normal mode.
- PIR - Light automatically turns on only when motion is detected. In this mode the Sensor Motion will activate the light always in Bright Light During 45 second only.
- OFF - Light is off.

**Motion Sensor:** you can adjust the motion sensor angle as shown in Fig. 2.



- A. Long Distance: 20-25 ft
- B. Medium Distance: 12-15 ft
- C. Short Distance: 8-12 ft

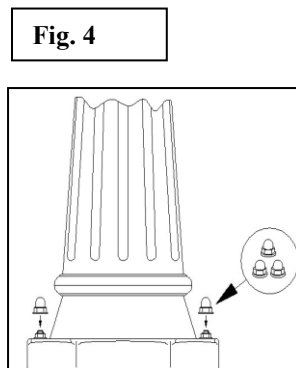
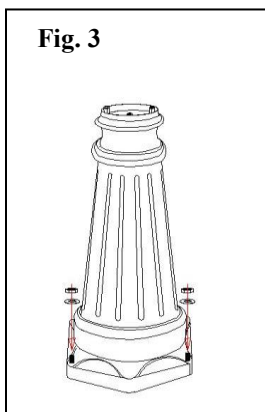
### **Assembly Instructions**

**NOTE:** The following steps are for reference only. Consult your local hardware store for the best installation method for your particular surface.

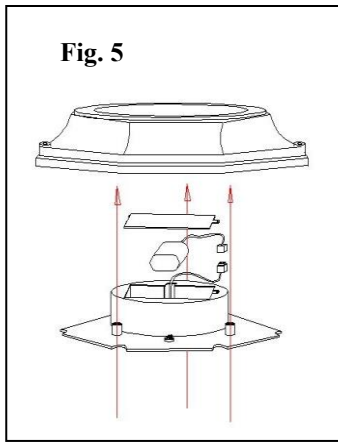
**NOTE:** The solar light must be charged in the **ON** position for two sunny days for best results.

### **GS-94NS-PIR**

1. Use an electric drill to make three holes into a solid surface no smaller than the fastening screws (G). The holes shall be lined up with the holes of the lamp base (F).
2. Put the fastening screws (G) into the drilled holes with their threaded ends facing up (Fig. 3).
3. Place lamp base onto fastening screws and secure base with the nuts using a wrench (Fig. 4).
4. Make sure the lamp base (F) is stable before installing Part (D).
5. Place part (D) on top of part (F) and tighten with the provided screws (E) using a wrench.
6. Screw part (C) to part (D), part (B) to part (C) and part (A) to part (B).



**Fig. 5**



### **GS-94FPW-PIR Pier mount**

1. Use an electric drill to make two holes in the desired surface. Place provided anchors (D) into holes, place the base (B) in line with the holes and screw the provided screws (C).
2. Screw part (A) into Part (B) and turn the On/Off switch in the lamp head (A) to ON or PIR position according (Fig. 1).

### **GS-94NW-PIR Wall mount**

**NOTE:** Install your solar lamp facing the south for best results.

1. Use an electric drill to make two holes in the wall, place provided anchors (D) into holes, place the wall bracket (B) in line with the holes and screw the provided screws (C).
2. Screw part (A) into Part (B) and turn the On/Off switch in the lamp head (A) to ON or PIR position according (Fig. 1).

### **GS-94NF-PIR 3" Fitter**

**NOTE:** If you are replacing an existing gas/electric post light, you must consult a certified technician to cancel them before installation.

1. Screw Part (B) on top of the existing 3" post using the screws provided.
2. Screw Part (A) into Part (B) and turn the On/Off switch in the lamp head (A) to ON or PIR position according (Fig. 1).

### **Replacing the Batteries**

(After several years of use, the batteries may need replacing).

1. Detach the top of the lamp unit (A) by releasing the 2 screws (Fig. 1).
2. Make sure the ON/OFF switch is in the "OFF" position.
3. Release the 3 screws on the silver reflector and remove the old batteries. Make sure the new batteries are high quality –1 x Li-ion rechargeable Battery Pack (3.2 Volt / 3,000 mAh) (Fig. 5).
4. Install the new batteries into the battery compartment.
5. Reassemble the unit by reversing the above procedure.

**WARNING:** Do not dispose of Li-Ion battery in the regular trash, municipal waste stream or by fire as batteries may leak or explode. Do not open, short circuit, or mutilate batteries as injury may occur. Preserve our environment by recycling Li-Ion batteries or disposing of them in accordance with local, State and federal regulations. Do not mix old and new batteries.

### **Maintenance**

Clean the solar module regularly with a damp towel to guarantee optimum performance of the solar panel. Do not use any type of solvent for cleaning and be careful not to put too much pressure on the module while cleaning.

### **Trouble Shooting**

If your solar charged light does not come on at dusk despite observance of all the instructions, please try the following steps:

1. Make sure that the solar light is not being affected by any other light source.
2. Ensure the solar light is not positioned in the shade during the day.
3. Make sure the switch in the lamp head is in the "ON" position.
4. Check that the batteries are installed correctly.

**NOTE:** The performance of the solar light will vary with the time of year. It will deliver more light when it has had a full day in the sun rather than a day in overcast weather.

**WINTERTIME TIPS:** Keep snow and debris cleaned off the solar panels so the batteries can recharge. If the lights are covered with snow for an extended period of time, after the snow melts, allow all the batteries to charge in full, direct sunlight for at least 6 hours to their maximum capacity.

**WARNING:** Please keep out of reach of children.

