

Congratulations on purchasing your  
**Solar Light Bollard**

**SBL**



**SBL2**



## IMPORTANT BEFORE YOU INSTALL

Every project must have an initial geographical location and shade assessment completed by a Solar Bollard Lighting® authorized distributor, importer, sales agent who has been trained according to validated Solar Bollard Lighting® protocols.

This assessment applies the 'Power In = Power Out' equation, based on a sunlight profile during the winter solstice, the day of least sun in the specific geographical location.

The highest-powered Solar Bollard Light/s for your location is specified to be installed based on winter solstice month's sun trajectory/angle.

**Note:** Battery is pre-connected.

**At Installation Site:** If shading from trees or other structures are found at the site of installation not discussed prior to delivery of your Solar Light Bollard/s, **please immediately contact your supplier prior to commencing the installation** as lower power model/s maybe required to ensure dusk until dawn operation at full power and as specified in our Warranty T&C's.

**Ensure your Solar Light Bollard power model ordered allows for possible future shading issues such trees growing and/or new buildings being possibly erected near the installation site.**

**AN INCORRECT POWER MODEL  
SELECTION IS NOT WARRANTABLE**

## WHEN PRODUCT ARRIVES

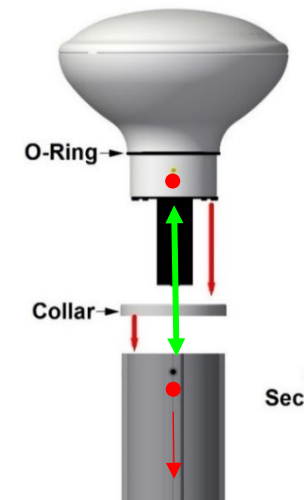
### STEP 1

- Your light head and poles have arrived separately packed. **Leave light/s in carton until ready to be attached to pole.**

### STEP 2: INSTALL BASE PLATE POLE GO TO PAGE 2 FOR INSTRUCTIONS

### STEP 3 - ATTACH SBL / SBL2 LIGHT HEAD

- If you are using a SBL2 ASYMMETRICAL light head there will be a **RED** dot ● near the threaded brass insert which needs to be facing across the pathway.



**Rib Facing Directly  
Across Pathway**

### 2. GO TO PAGE 3 FOR INSTRUCTIONS TO ATTACH THE LIGHT HEAD

- Remove the black shrink wrap from the light head to activate the system. Your Solar Light Bollard is now installed and ready for operation.

# BASE PLATE MOUNT INSTALLATION

## BEFORE YOU INSTALL: (NOT INCLUDED IN KIT)

3 x M12 (1/2") Threaded Rod or Hold Down Anchor Bolts or L-Bolts, Washers, and Nut/s. We recommend using security fasteners to prevent theft and/or concrete over the base plate to hide the securing nuts.

## STEP 1 - INSTALL OPTION 1: NEW CONCRETE BLOCK / PAD

1. Ensure the concrete block or pad size is big enough to ensure the light, pole and concrete cannot be lifted out as one complete unit.
2. Dig a hole 350mm x 350mm x 400mm – 104kg once concrete added.
3. If possible, try and taper out towards the bottom so the base section of concrete is larger than the top section as per this image

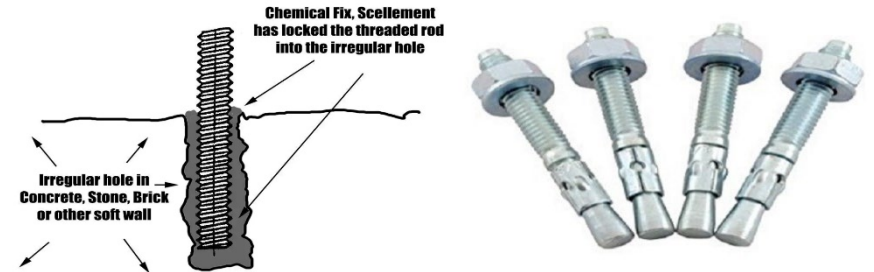


4. Fill hole with concrete and add in Hold Down Anchor Bolts or L-Bolts at the matching positions as per the 3-hole centre points as shown on the next page to suit the base plate slotted mounting holes.
5. Once the concrete has dried and cured place the base plate over the bolts and use spirit level while tensioning to ensure pole is set level.

## STEP 1 - INSTALL OPTION 2: IF CONCRETE ALREADY EXISTS

1. Check surface is flat or configure a solution to ensure the solar bollard is perfectly vertical once installed
2. Mark out the 3-hole centre points as shown on the next page to suit the base plate.

3. Drill or core 3 holes to take an M12 (1/2") threaded bar/rod or other securing device.
4. When installing the M12 (1/2") threaded bar/rod or other securing device, ensure **35mm (1.4") – 40mm (1.6") maximum** thread bar/rod protrudes above ground level where the base plate will be positioned.

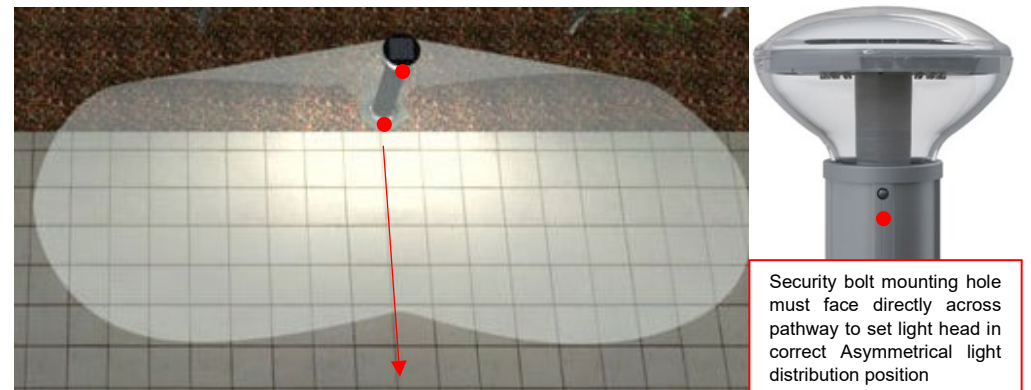


**NOTE: ONCE POLE IS INSTALLED IF USING "OPTIONAL" BASE PLATE COVER, ADD IT BEFORE ATTACHING SOLAR LIGHT.**

**RETURN TO PREVIOUS PAGE STEP 3: Light Head Attachment Instructions**

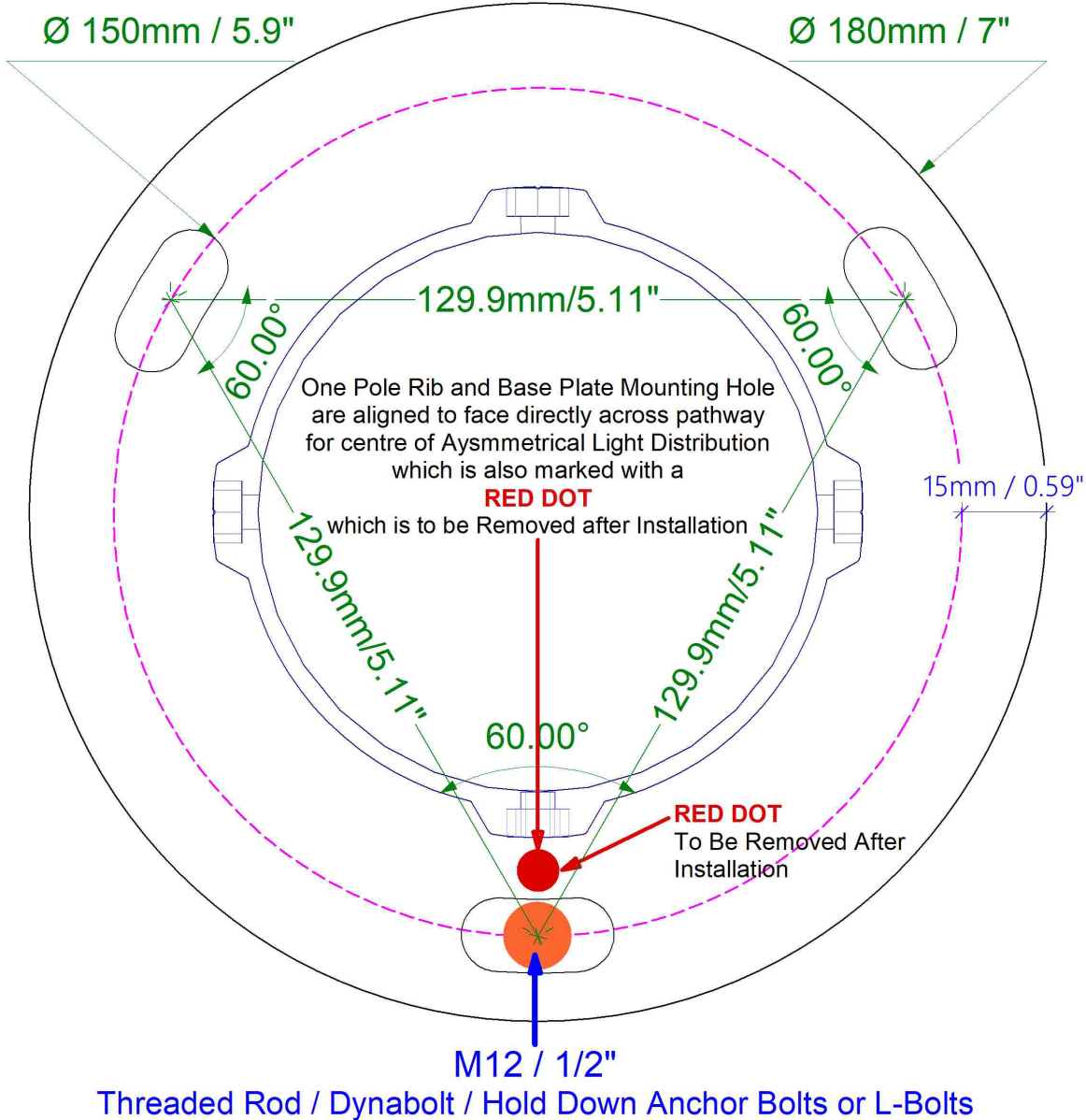
## ASYMMETRICAL LIGHT ADDITIONAL INSTALLATION INFORMATION

This image shows the correct direction the pole must be facing for even asymmetrical light distributions when light head is attached correctly with the **RED ●** both being aligned on the same side. Remove **RED ●** once installed.

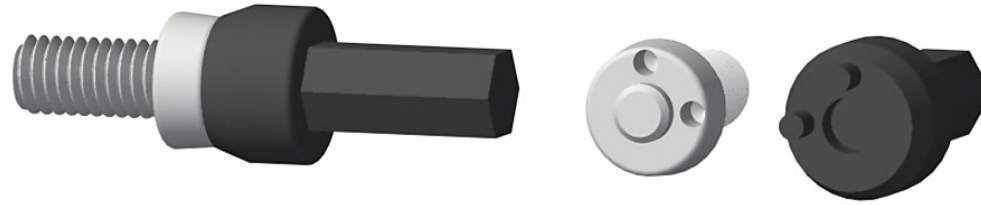


Ensure you have removed all **RED ●** once installed.

# BASE PLATE MOUNT SCHEMATIC



# HOW TO SECURE THE SOLAR LIGHT HEAD LUMINAIRE TO THE POLE



1. Install the Solar Light Head into the pole/mount pole section until the Solar Light Head spun collar is sitting flush with the top edge of the pole
2. Turn the Solar Light Head until you can see the internal brass threads in the moulding have lined up horizontally with the counter bored holes in the pole
  - a. You will notice the internal brass thread is sitting slight above the top of the counter bored hole
3. Apply downward pressure to the top dome section of the Solar Light Head, this will line up the thread vertically now.
  - a. This has now created compression of the spun collar O-Ring which creates a watertight seal
4. **SECURITY FASTENERS MUST BE TENSIONED IN THE SAME ORDER:**

## THIS STEP MUST BE COMPLETED BY HAND TENSION ONLY

**STEP A:** Insert the M6 Security Fastener with the Security Driver Tool through the pole into the internal thread and tension until the Security Fastener head is above the external pole outer edge.

- Do this for each Security Fastener in order 1 to 4 as shown

## NOW USING A VARIABLE SPEED TORQUE GUN:

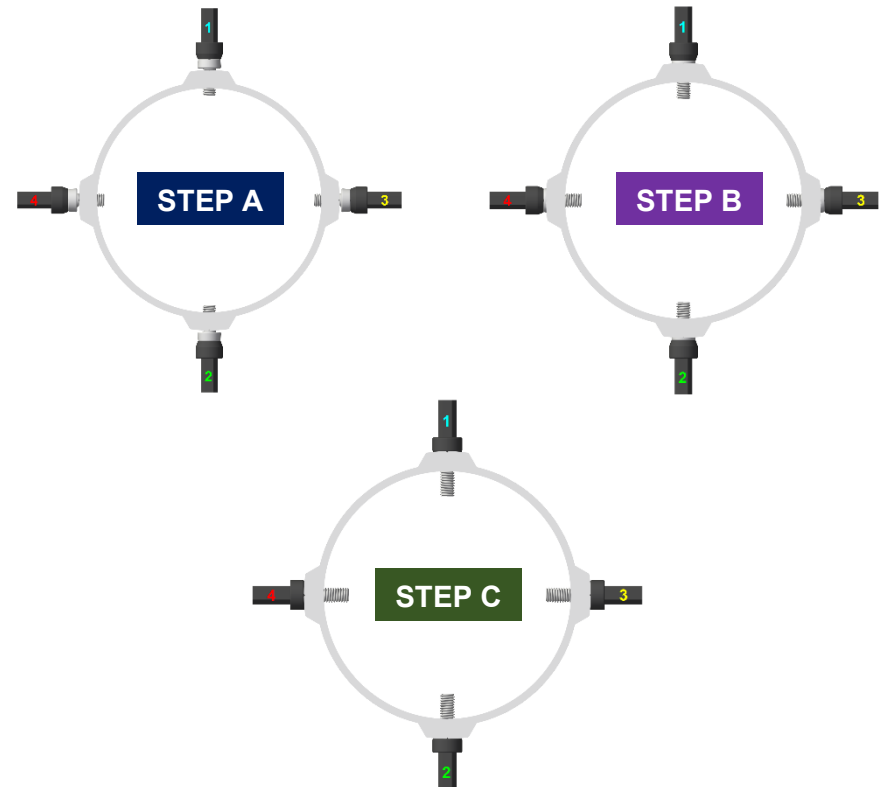
- **SPEED** - Low Speed Only
- **TORQUE** - Set to 13 "maximum"



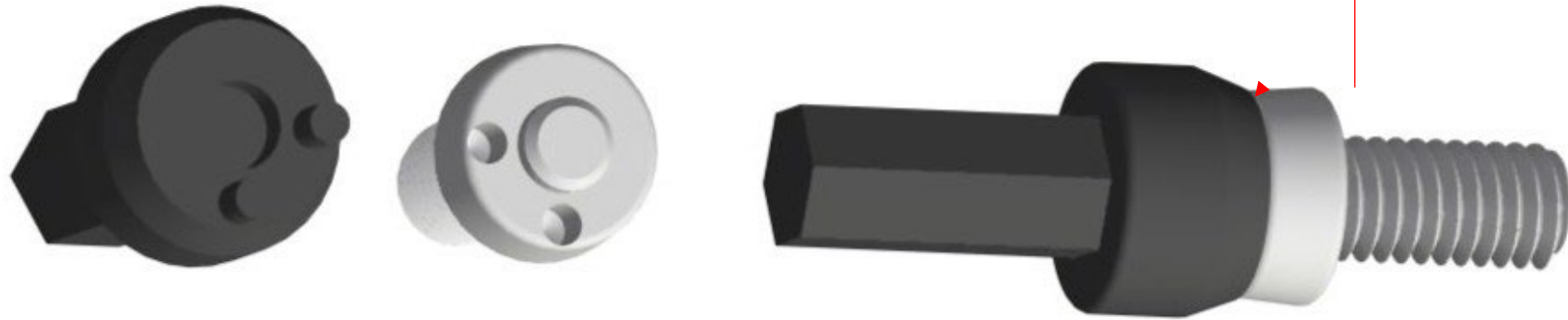
**STEP B:** Continue tensioning the Security Fastener in order 1 to 4 until the fastener head section **has just recessed into the counter bored hole**.

- This will create pressure down onto the O-Ring Seal

**STEP C:** Continue tensioning the Security Fastener in order 1 to 4 until the variable speed torque driver **CLUTCH RELEASES**. Then finally check tension by hand to ensure the Security Fasteners are **TIGHT AND FIRM** in place.



**USING 2 PIN SECURITY DRIVER BIT – MUST SIT FLAT**



**DRIVE SETTING - LOW SPEED**



**TORQUE SETTING MAXIMUM = 13**