



# SOLAR BOLLARD INSTALLATION GUIDE

## IMPORTANT BEFORE YOU INSTALL

The highest powered Solar Bollard Light for your location shown in all our location specific sales brochures and technical data sheets is specified to be installed in **direct undisrupted sunlight** from dawn until dusk based on your locations winter month's lowest sun trajectory.

**Note:** Battery is **pre-connected** for immediate activation after pole/mounting installation.

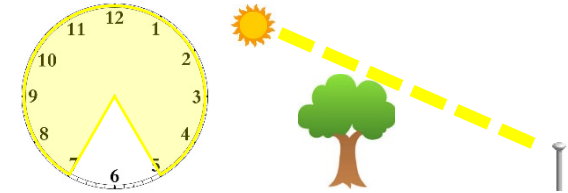
**Installation Site:** If shading from trees or other structures are found at the site of installation not discussed prior to delivery of your order Solar Light Bollard/s, **please immediately contact your supplier prior to commencing the installation** as a lower power model maybe required to ensure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

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

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

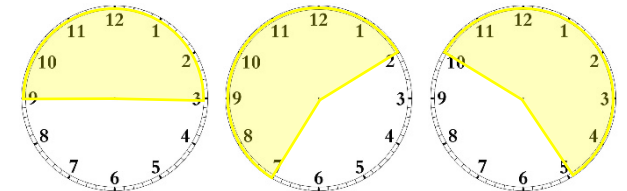
Next are the time of day examples of amounts of shading on the Solar Light Bollard to allow for lower power model choice compensations.

## FULL WINTER SUN (Lowest Sun Trajectory)



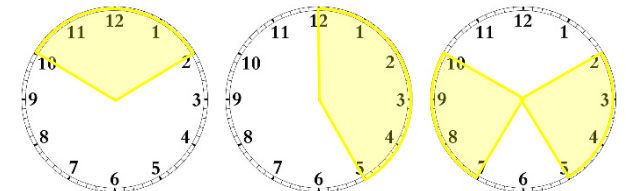
## SHADING EXAMPLES

### Partly in Shade or Snow Covered Region in Full WINTER Sun



***Drop down at least one (1-2) power levels***

### Mostly in Shade – SBL2 ONLY



***Drop down to 40mA***

*Your supplier will have a relevant installation guide specific for your actual location.*

*Contact them for a copy to ensure you have chosen the correct power model for the installation location if you have any concern*

Congratulations on purchasing your

## Solar Light Bollard

### SBL



### SBL2



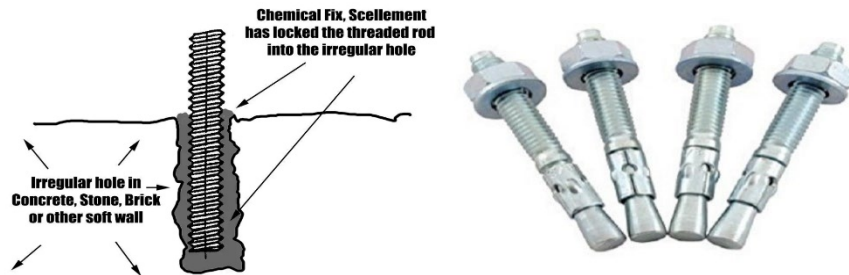
# BASE PLATE MOUNT

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

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

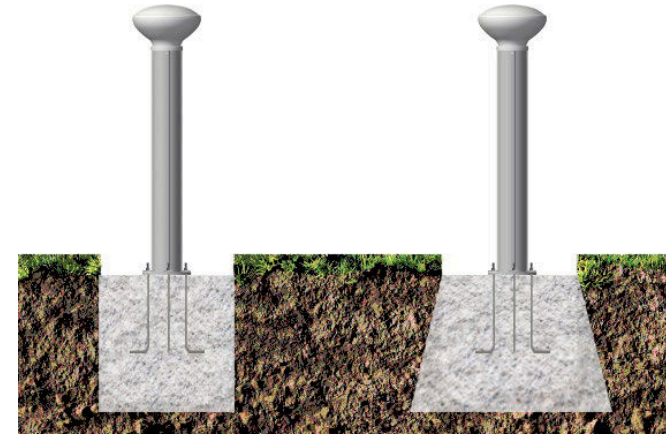
### STEP 1 - INSTALL OPTION 1: If Concrete Already Exists

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 rod or other securing device.
4. Install rod or other securing device ensuring sufficient thread protrudes from plate which is 12mm/0.47" thick for the washer and nut type/s being used to secure the mounting plate down. Allow at least 50mm (0.2") above concrete
5. Install using either M12 (1/2") Threaded Rod Chemical Fix in or Concrete Anchors



### STEP 1 - INSTALL OPTION 2: New Concrete Block / Pad

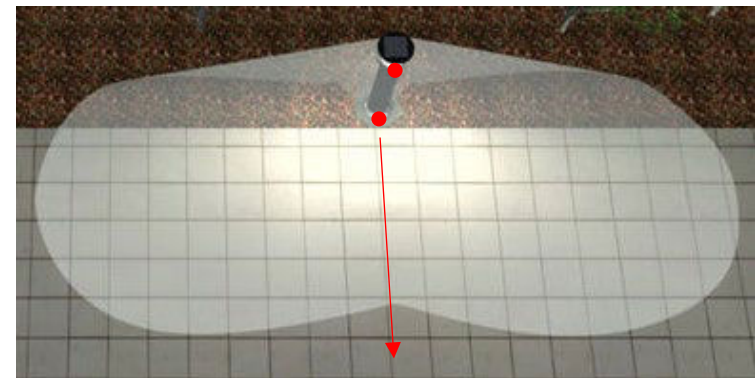
1. Ensure the concrete block or pad size is big enough to ensure the light and pole cannot be lifted out as one complete unit.
2. Dig a hole 350mm x 350mm x 400mm – 104kg once concrete added.
3. If possible, try and taper out towards the bottom so the base section of concrete is larger than the top section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



4. Fill hole with concrete and add in L Bar at the matching positions as per the 3-hole centre points as shown on the next page to suit the base plate.
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.

## 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



**STEP 2** - Remove the black shrink wrap from the light head to activate the system. Your Solar Light Bollard is now installed and ready for operation.

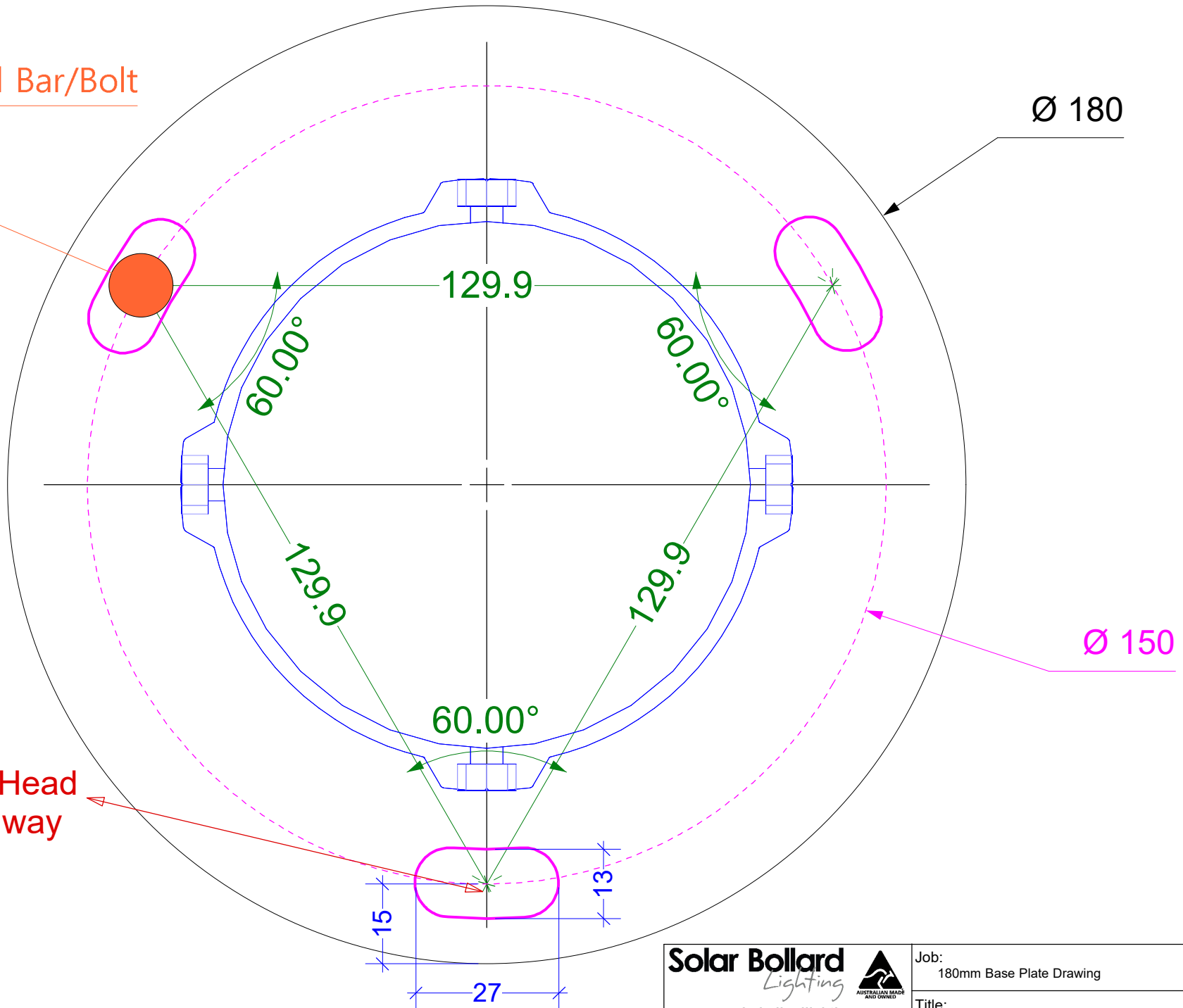
Ø 12mm Thread Bar/Bolt

Ø 180

12mm Thick Plate

Ø 150

Asymmetrical Light Head  
will line up with pathway  
so this section must  
be placed facing  
across the pathway



**Solar Bollard**  
Lighting  
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Job: 180mm Base Plate Drawing				
Title: _____				
Date: 24/09/19	Scale: 1:1	Drawn: M.ARIENI	Page: 01	Rev: A