

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.

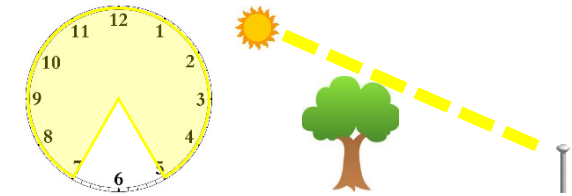
**Note:** Battery is pre-connected.

**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 as trees growing and/or new buildings being possibly erected near the installation site.**

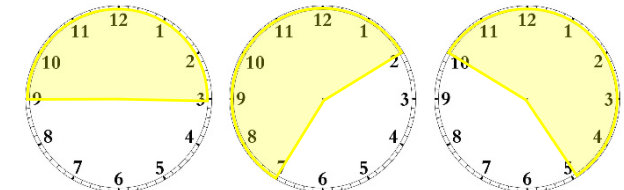
**AN INCORRECT POWER MODEL SELECTION IS NOT WARRANTABLE**

## FULL WINTER SUN (Lowest Sun Trajectory)



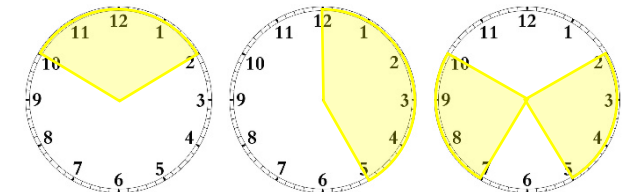
## SHADING EXAMPLES

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



**Drop down at least one (1) power level**

**Mostly in Shade**



**Drop down two to three (2-3) power levels**

Please ensure your installation location matches to the above power model examples for your various installation locations and shading requirements.

# DIRECT BURIED INSTALLATION

## BEFORE YOU INSTALL: DIAL BEFORE YOU DIG

Ensure Anchor Bolts are through pole base/s prior to burying into concrete.

## STEP 1 – DIG HOLE WITH SHOVEL, POST HOLE DIGGER, AUGER.

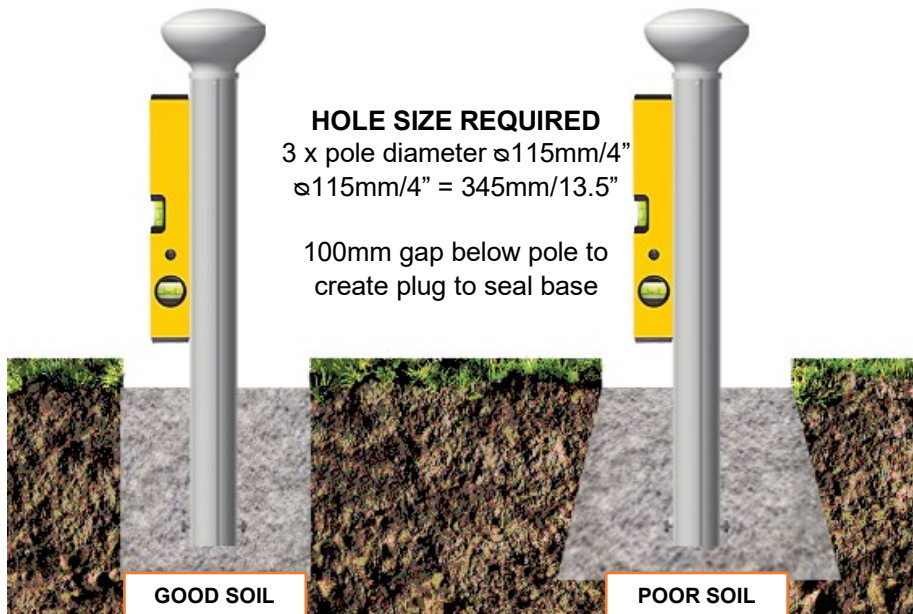
In good soil we suggest:

### Hole Size Required:

3 x pole diameter  $\varnothing 115\text{mm}/4" = \varnothing 345\text{mm}/13.5"$

### Hole Depth Required:

Model	Pole in Ground	Hole Depth
-1140DBA	300mm/11.8"	300mm/11.8" + 100mm/4" = 400mm/15.7"
-1790DBA	450mm/17.7"	450mm/17.7" + 100mm/4" = 550mm/21.6"
-2440DBA	600mm/23.6"	600mm/23.6" + 100mm/4" = 700mm/27.5"
-3040DBA	700mm/27.5"	700mm/27.5" + 100mm/4" = 800mm/31.5"
-3640DBA	800mm/31.5"	800mm/31.5" + 100mm/4" = 900mm/35.4"
-4240DBA	900mm/35.4"	900mm/35.4" + 100mm/4" = 1000mm/39.3"
-5040DBA	1200mm/47.2"	1200mm/47.2" + 100mm/4" = 1300mm/47.2"



A **much larger foundation may be required** if soil is poor/sandy to prevent bollards being pushed over or removed/stolen. Try and taper out towards the bottom so the base section of concrete is larger than the top section as per this image

**STEP 2** - Pour concrete into the hole

**STEP 3** - Insert pole into concrete ensuring the internal of the bottom of the pole is also filled with concrete so it is secure and hard to remove.

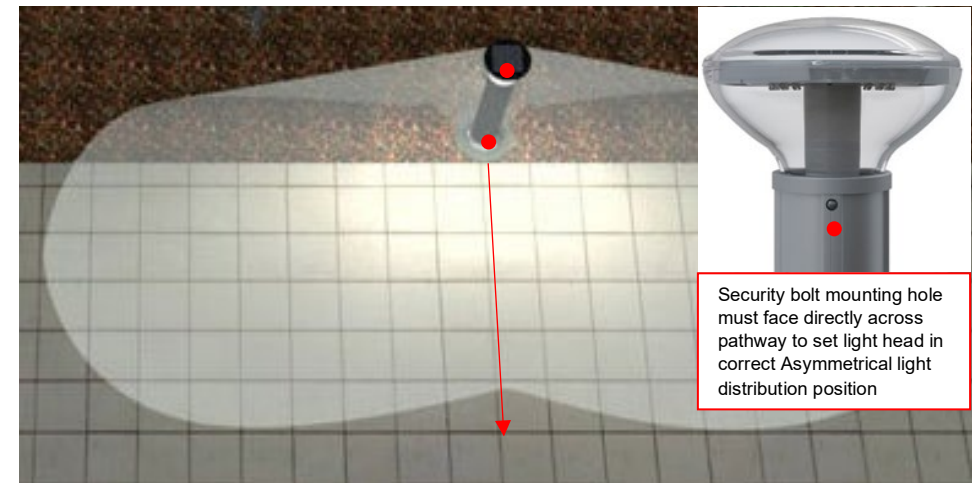
**STEP 4** - Use spirit level to ensure pole is set correctly and on taller poles use braces to hold in place until concrete sets to ensure it stays plumb/vertical.

**STEP 5** - Cure concrete and remove any bracing previously used.

**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.