

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.

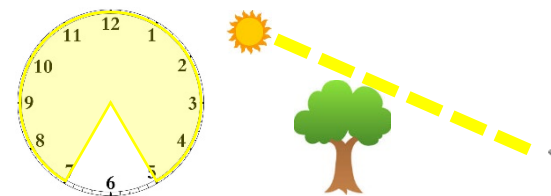
Note: Battery is pre-connected.

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

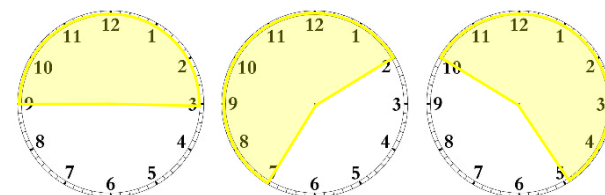
FULL WINTER SUN (Lowest Sun Trajectory)



SHADING EXAMPLES

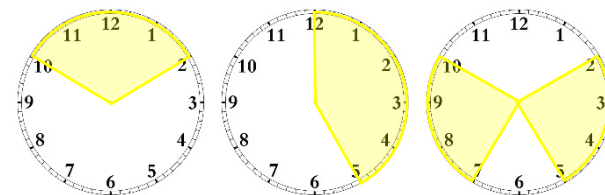
Partly in Shade

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.

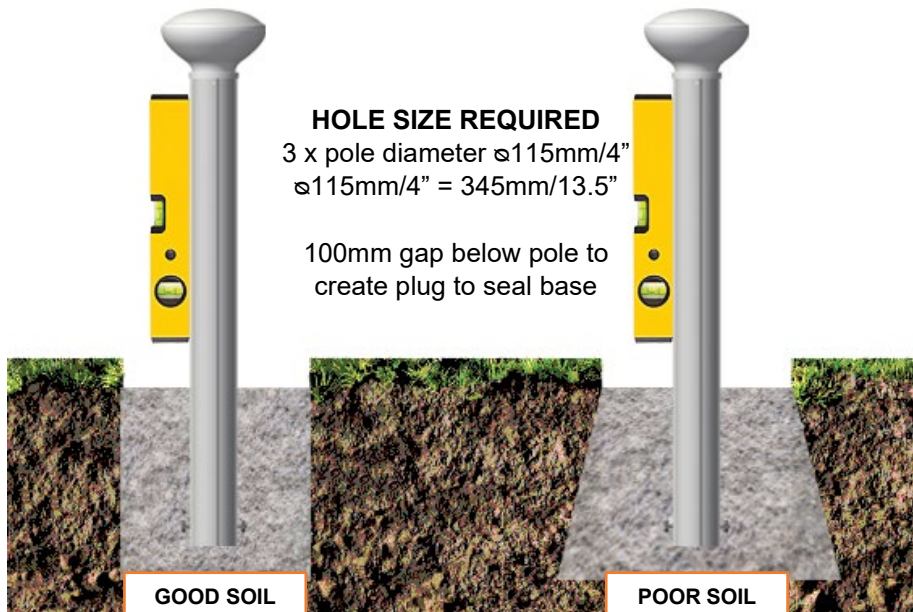
In good soil we suggest:

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.

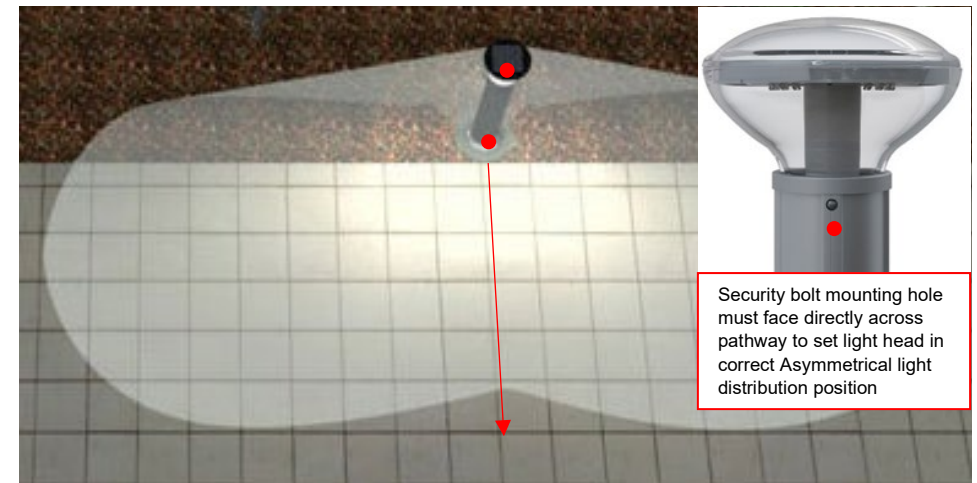
STEP 4 - Use spirit level to ensure pole is set correctly and on taller poles use braces to hold in place until concrete sets to ensure it stays plumb/vertical.

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.