

SOLAR BOLLARD INSTALLATION GUIDE

Congratulations on purchasing your
Solar Light Bollard

SBL



SBL2



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.

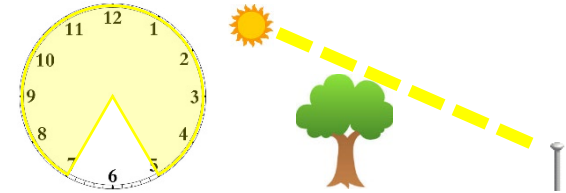
Installation Site: If shading from trees or other structures are found at the site of installation not discussed prior to delivery of your order Solar Light Bollard/s, **please immediately contact your supplier prior to commencing the installation** as a lower power model maybe required to ensure dusk 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

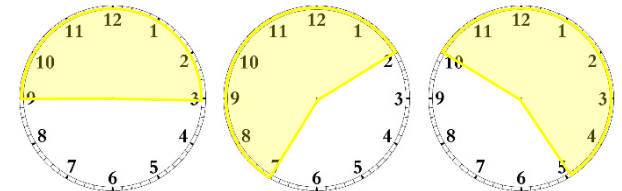
Next are the time of day examples of amounts of shading on the Solar Light Bollard to allow for lower power model choice compensations.

FULL WINTER SUN (Lowest Sun Trajectory)



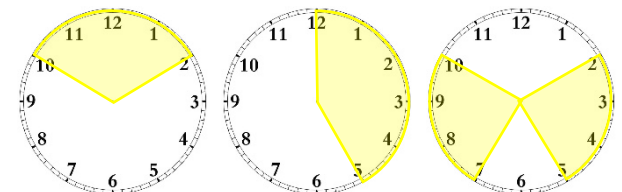
SHADING EXAMPLES

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

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

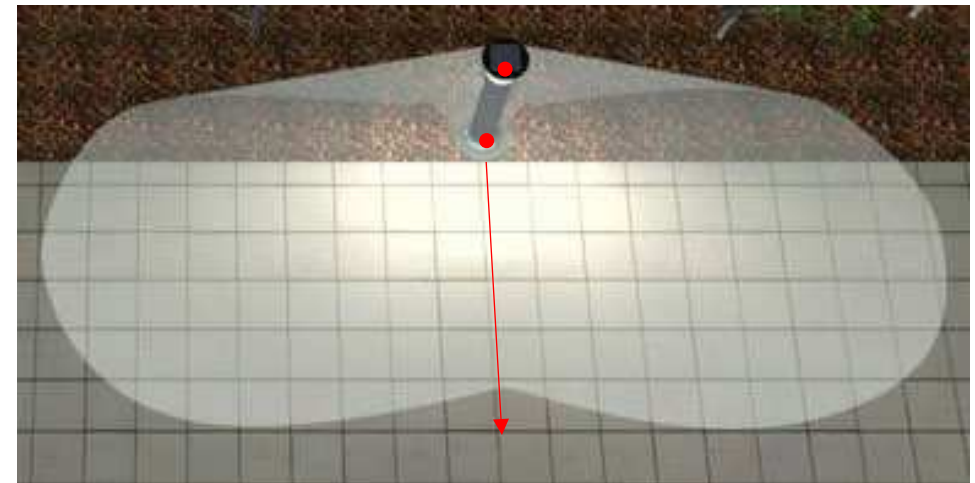
STEP 2 - Pour concrete into the hole

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.

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 5 - Cure concrete and remove any bracing previously used.

FINAL STEP 6 - Remove the black shrink wrap from the light head to activate the system. Your Solar Light Bollard is now installed and ready for operation.

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