



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.

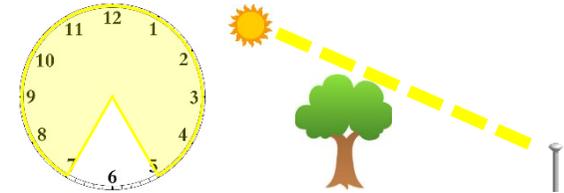
Installation Site: If shading from trees or other structures are found at the site of installation not discussed prior to delivery of your order Solar Light Bollard/s, **please immediately contact your supplier prior to commencing the installation** as a lower power model maybe required to ensure dusk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

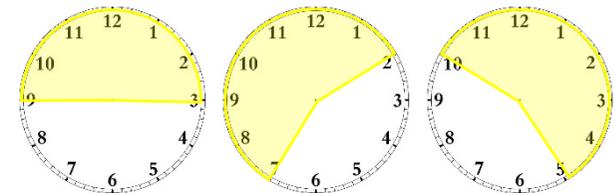
Next are the time of day examples of amounts of shading on the Solar Light Bollard to allow for lower power model choice compensations.

FULL WINTER SUN (Lowest Sun Trajectory)



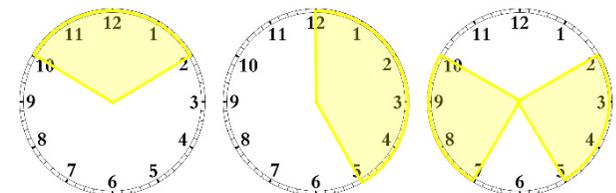
SHADING EXAMPLES

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 concerns.

SOLAR BOLLARD MOUNTING TYPE INSTALLATION INSTRUCTIONS

DIRECT BURIED

BEFORE YOU INSTALL: Dial before you Dig

Ensure Anchor Bolts are through pole base/s.

STEP 1 – Dig hole with shovel, auger or similar.

In good soil we suggest $\varnothing 345\text{mm}/13.5"$ x 1/3 pole length deep hole + 100mm /4" extra below bottom of pole end

A much larger foundation may be required if soil is poor/sandy to prevent bollards being pushed over or removed/stolen



STEP 2 - Pour concrete into the hole

STEP 3 - Insert pole into concrete ensuring the internal of the pole is also filled with concrete.

SLB2 with asymmetric "pathway" optic:

Removable **RED** dot labels are applied to the bollard pole. These labels should face the pathway centre.



Remove ● After Install

STEP 4 - Use spirit level to ensure pole is set correctly.

STEP 5 - Cure concrete.

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.

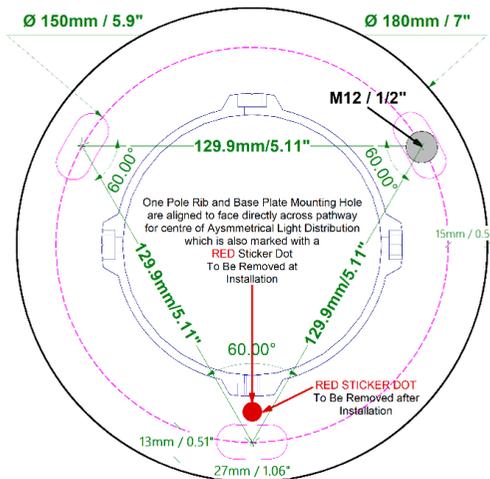
BASE PLATE

BEFORE YOU INSTALL: (not included in kit)

3 x M12 (1/2") Mounting Thread, Washer, Nuts. We recommend using security fasteners to prevent theft.

STEP 1 - Check surface is flat or determine how to ensure bollard is perfectly vertical

STEP 2 - Mark out the 3 hole centre points as shown below on the $\varnothing 150\text{mm}/5.9"$ to suit the base plate.



SLB2 with asymmetric "pathway" optic:

Removable **RED** dot labels are applied to the bollard pole. These labels should face the pathway centre.

Remove ● After Install

STEP 3 - Drill or core hole to take an M12 (1/2") threaded rod or other securing device

STEP 4 - Install rod or other securing device ensuring sufficient thread protrudes from plate which is 12mm/0.47" thick.

STEP 5 - Place the base plate over the bolts and use spirit level while tensioning to ensure pole is set level.

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.



WALL MOUNT

BEFORE YOU INSTALL: (not included in kit)

4 x M10 (7/16") Mounting Thread, Washer, Nuts. We recommend using security fasteners to prevent theft.

Please Note: All Wall/Pylon mount lights are Asymmetrical

STEP 1 - Check mounting surface is flat or determine how to ensure bollard is vertical.

STEP 2 - Mark out 4 x holes to suit below mounting plates

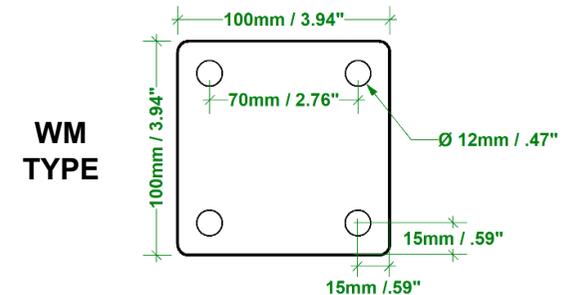
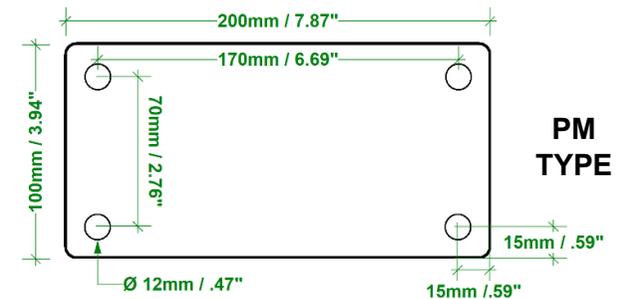


Plate curve to suit 350mm or 750mm diameter pylon



STEP 3 - Drill hole to take M10 (7/16") threaded rod or other securing device such as a Dynabolt with Nylock Nuts.

STEP 4 - Install rod or other securing device ensuring sufficient thread protrudes from plate which is 10mm/0.4" thick.

STEP 5 - Place plate over the bolts and secure fasteners

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.