

# SOLAR BOLLARD INSTALLATION GUIDE

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

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

## WHEN PRODUCT ARRIVES

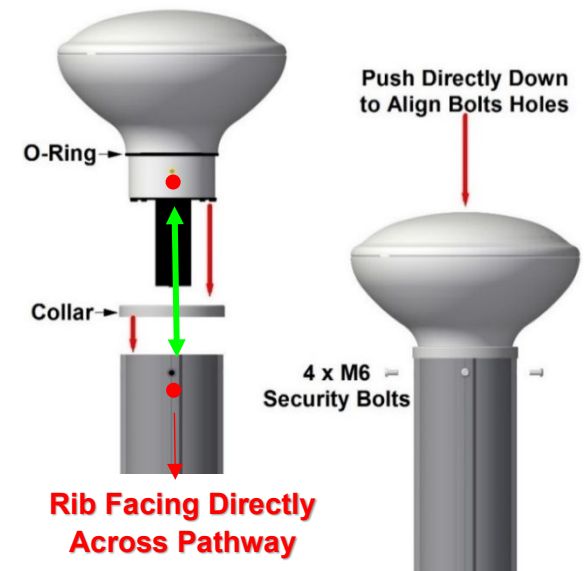
### STEP 1

- Your light head and poles have arrived separately packed, **leave light/s in carton until ready to be attached to pole.**

**STEP 2: INSTALL MOUNTING/ POLE**  
Turn over for instructions page

## STEP 3 - ATTACH SBL/2 LIGHT HEAD

- Slide light mounting shaft into pole aligning securing points of light and pole until **Spun Collar** is sitting flush with top of the pole edge.
- If you are using an **ASYMMETRICAL** light head there will be a red sticker ● near the threaded brass insert which will need to be facing the pathway directly.
- Then pushing down on light head top dome with enough pressure to line up the **securing points**.



- Install the 4 x M6 security bolts supplied with the **security driver tool by hand initially** to ensure no cross threading is occurring, then tighten with cordless torque driver using security driver tool until firm and secure.
- Remove the black shrink wrap from the light head to activate the system. Your Solar Light Bollard is now installed and ready for operation.

# 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.

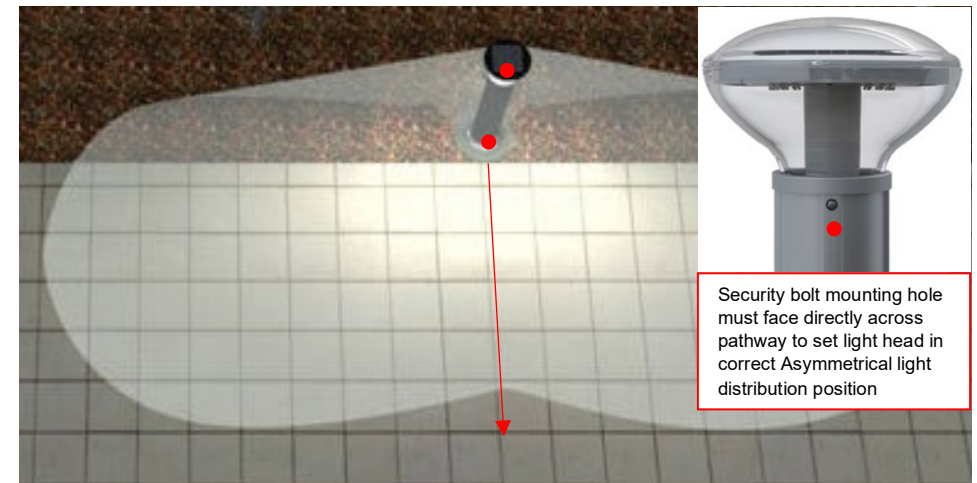
**STEP 4** - Use spirit level to ensure pole is set correctly and on taller poles use braces to hold in place until concrete sets to ensure it stays plumb/vertical.

**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.