

# Freelite™

Model: **PVB300-BL & PVT300-BL**

## **FERN LED Garden Bollard and Pedestal Solar Lights**

### **Installation Instructions**

#### **ENSURE YOU READ THE INSTRUCTIONS FULLY BEFORE COMMENCING INSTALLATION.**

These solar lights offer a simple “install and forget” solution. Light, photovoltaic panel and battery with Energy Management System (EMS) are all in one. The light automatically turns on at dusk and off at dawn. The EMS gradually steps down light output overnight to manage battery life to provide all-night lighting for several days. The lens and light distribution is designed for highlighting garden foliage and lighting across pathways.



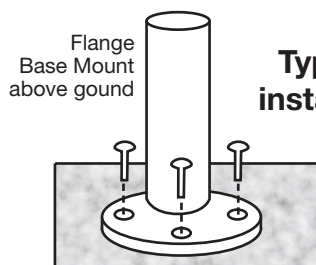
#### **LOCATION OF INSTALLATION**

For best results your PVP panel should be exposed to as much direct sunlight as possible. When placing the solar panel, account for objects that may cast shade for example fences and trees. In winter, the sun sits lower, and days are shorter, so ensure the PV panel has clear exposure to maximize battery charging during shorter days.

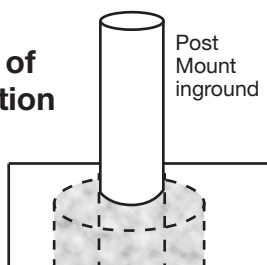
## PREPARATION BEFORE INSTALLATION:

Before unpacking the lights, prepare a soft, clean surface like cardboard to avoid damage from harsh surfaces like concrete.

1. Unpack and inspect the contents for damage.
2. Press the black ON/OFF button located on the rim above the lens.
3. To test, cover the photovoltaic panel with a towel (or similar) or take the lantern into a dark room to activate the light.



### Types of installation



## PEDESTAL TOP LIGHT

Mount on fences, pillars, garden walls, fence posts, decks, or various, above-ground horizontal surfaces with sun exposure. Fasten securely through the 3 holes in the mounting base ensuring it is stable. Use fixings suitable for the substrate the light is being fixed onto.



**PVT300-BL**



**PVT300-BL**

## INSTALLATION: GARDEN BOLLARD

The garden bollard comes with two screw-together posts, adjustable to 700mm with one or 1160mm with both. Assemble by threading the posts together and tightening until they connect. Optional extra 460mm **PV300-POST** extension posts are available to purchase separately.

The post can be cemented vertically into the ground or secured to a large paving slab, cast concrete plinth, or decking using the provided base flange. Mount it in a raised garden area to prevent water pooling and paint damage, while also improving sun exposure and avoiding shade from growing plants.

If using the mounting base fasten securely through the 3 holes ensuring it is stable. Use fixings suitable for the substrate the light is being fixed onto.

Garden lanterns can be placed temporarily for checking light coverage but ensure they are stabilised, so they do not fall over and become damaged.



## PRODUCT SPECIFICATIONS:

PVP Voltage	5V Monocrystalline
PV Peak Wattage	4.5 Watt
Battery Voltage	3.2V lithium Iron Phosphate
Battery Watt-Hours	32 Wh
LED Wattage	5 Watts
Light beam angle	120 degrees
Colour Temperature	3,000K
Measured Lumens	200 lm
Battery autonomy	2-3 days of cloud
<b>PVB300-BL</b> Garden bollard dimensions	700mmH or 1160 mmH x 260mm diameter
<b>PV300-POST</b> Extension post for garden bollard	460mmL x 64mm diameter
<b>PVT300-BL</b> Pedestal top dimensions	278mmH x 260mm diameter
Water Ingress Protection	IP65
Materials	Die cast and extruded Aluminium and UV stabilised polycarbonate

## MAINTENANCE.

### Important:

Important: Rain will wash dust off from the PVP however other debris will need cleaning off periodically with soapy water and a soft brush to maintain battery condition.

If this product is not working and is still not working after referring to the info centre guide on **[www.alphalighting.co.nz](http://www.alphalighting.co.nz)** do not attempt to repair the fitting yourself – please contact Gartner Superlux Ltd for advice.

### Note:

The battery is a recyclable item, at the end of life ensure you dispose of the product responsibly .

Due to continuous design improvement, specifications are subject to change without notice.

**IMPORTANT KEEP INSTRUCTION SHEET  
IN A SAFE PLACE FOR FUTURE REFERENCE**