

INSTALLATION INSTRUCTION

PAL LIGHTING BOLLARD LIGHT



45-PAL-GL9-RGB-PLC / 45-PAL-GL9-CW-PLC / 45-PAL-GL9-WW-PLC

GUIDES AND WARNINGS

TOOLS REQUIRED

Soft-Padded Mallet
Voltmeter
Drill
Phillips Head No. 2 Screw Driver



IMPORTANT INFORMATION

WARNING

- Do not touch hot lens, guard or enclosure.
- Do not operate the luminaire fitting with a missing or damaged shield.
- Install all luminaire 5 ft or more from a pool, spa or fountain.
- Supply connection and electrical components are located above ground level, except for secondary cord that is suitable for wet locations.

CAUTION

To ensure safety and maintain the integrity of this fixture's certification, always install using the exact components supplied. Do not omit, exchange, or substitute any parts. Using damaged or worn components, or failing to follow these instructions, may void the UL/cUL approval of this product.

LOW VOLTAGE CABLE SHALL

- Be protected by routing in close proximity to the luminaire or fitting or next to a building structure such as a house or deck.
- Not be buried except for a maximum 6 feet in order to connect to the main low voltage cable.
- Have the length cut off so that it is connected to a connector within 6 feet from a building structure, a luminaire, or fitting.

PACKAGE CONTENTS

1 x Bollard Light Unit
1 x Stake

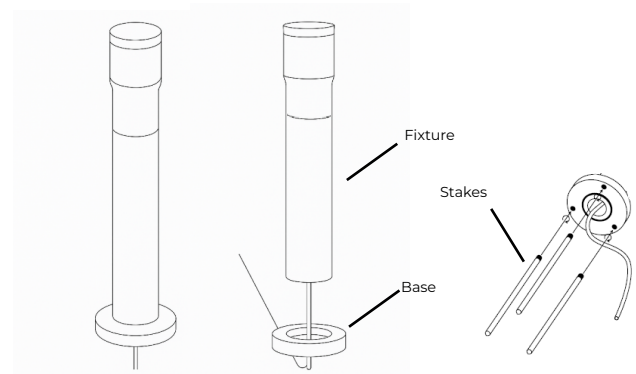
*PAL PCR-1Z / PCR-2Z Class 2 LED Driver is required to power this fixture. (sold separately)
Refer to PCR-1Z or PCR-2Z owner's manual for detailed installation instructions.*



BOLLARD LIGHT INSTALLATION GUIDELINES

STEP 1.

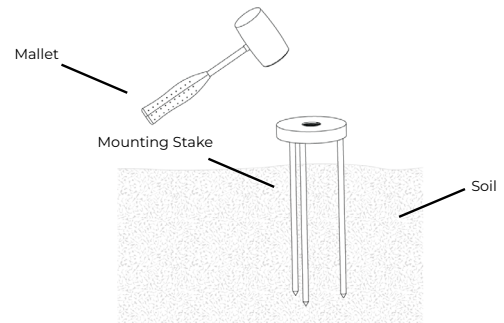
1. Remove Bollard Light fixture from the base.
To remove, firmly grip the fixture and rotate it counterclockwise by hand until it loosens from the base, then lift it straight up.
2. Install stakes by screwing them into the base until secure.



STEP 2.

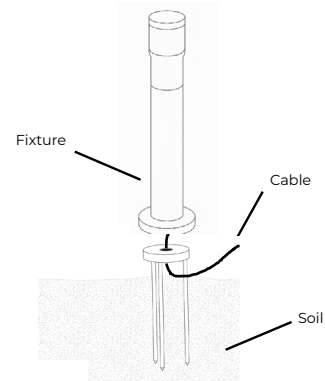
1. Using a soft-padded mallet, gently tap the top of the stake until it is firmly set in the ground.
2. Stop driving the stake when it is nearly flush with the ground.

Leave a small gap (about ½–1 inch) at the base so that the cable can be threaded underneath without pinching.



STEP 3.

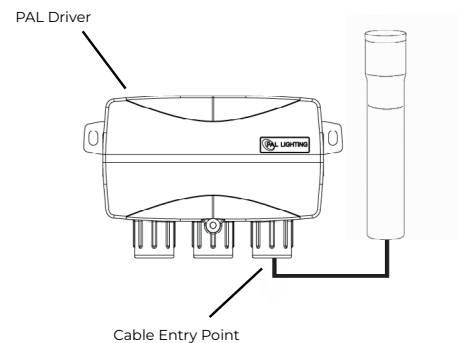
1. Feed the cable up through the center opening of the base. Ensure the cable is not twisted or pinched.
2. Align the Bollard Light fixture with the threaded opening on the base.
3. Carefully thread the fixture into the base by hand, turning clockwise until secure. Do not overtighten to avoid damaging the threads.



STEP 4.

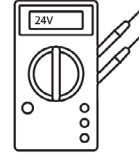
1. Turn off power at the circuit breaker to ensure safety before starting any wiring.
2. Locate the fixture wires and the corresponding output wires on the PAL driver.
3. Strip the wire ends (if not already stripped), exposing about ½ inch.
4. Match wire colors from the fixture wire to the PAL driver output (e.g., red to red, blue to blue, etc.).

Use Waterproof connectors where required

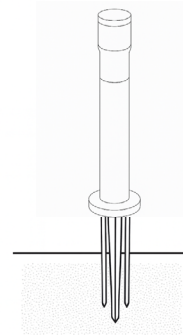


STEP 4.

1. Verify the voltage at the fixture using a voltmeter. The supply should read 24V

**STEP 5.**

1. Finish seating the stake by pushing it fully into the ground so the fixture is stable.



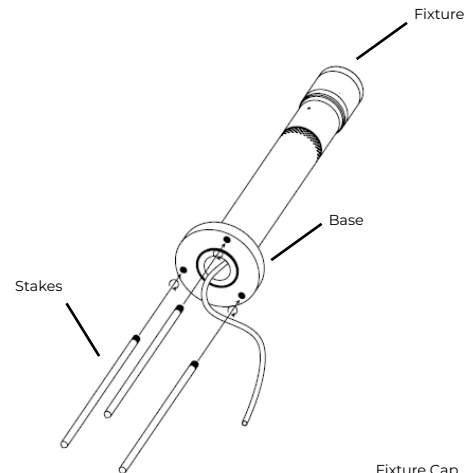
REMOVING THE LIGHT FIXTURE FOR REPLACEMENT

STEP 1.

1. Switch off power at the circuit/driver to ensure the fixture is de-energized.

STEP 2.

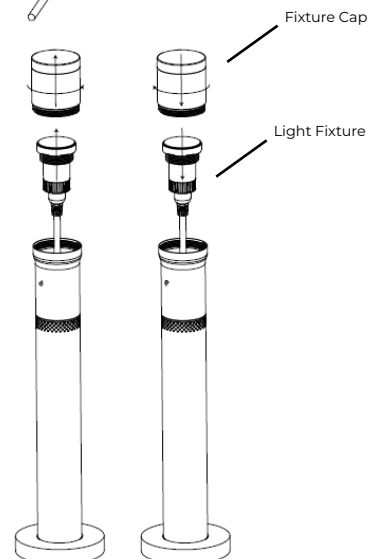
1. Grip the Bollard firmly and pull upward to release the stakes from the ground. Unscrew the stakes from the base plate.

**STEP 3.**

1. Rotate the fixture cap counterclockwise to unthread it from the bollard body.

STEP 4.

1. Remove the light fixture. Feed out any excess cable and fully remove the light from the Bollard.

**STEP 5.**

1. Keep the cap, and stakes in a clean place for re-installation.

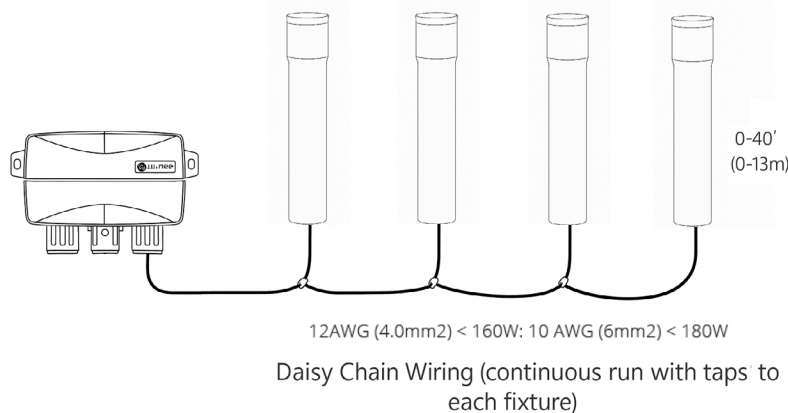
CIRCUITING GUIDELINES

Single Controller Box (Transformer + LED controller)

When using one transformer, center the transformer on the wattage load. Minimize all cable runs to reduce voltage drop.

Multiple Transformers

When using multiple transformer, spread the load evenly across all transformers. Avoid voltage drop by installing the transformers as close to the fixtures as possible.



Series connectors not provided, must use UL approved j-boxes or underground connectors for connecting fixtures in a series.

TERMS AND CONDITIONS

PAL PRODUCT WARRANTY DETAILS

The PAL product is guaranteed against defects in materials and/or workmanship, under normal domestic use for (3) years from date of purchase.

Except as otherwise provided for by law, this guarantee becomes invalid if in the opinion of the Company the product has been misused, abused, damaged in transit, incorrectly installed, or connected to an electrical supply not corresponding with the products specification or a non-approved PAL power supply.

The Company is not responsible for forwarding freight charges or losses in transit.

If any part of the product proves to be defective within the warranty period, the defective part will be repaired or replaced, free of charge and at the discretion of PAL Lighting.

PAL Lighting shall not be liable for any loss of profits or any consequential, indirect or special loss, damage or injury of any kind whatsoever arising directly or indirectly from PAL Lighting products.

PLEASE REGISTER YOUR PRODUCT WARRANTY DETAILS ONLINE AT:

<https://pallighting.com/product-registration>

OR You MUST retain some proof of purchase to provide evidence of the DATE of the original purchase.