



Post Top Colonial (PTC) Decorative LED Luminaire Instruction Guide

This procedure is designed as an installation aid. Skilled tradespeople that are familiar with general construction and electrical installation techniques should perform the installation. Licensed electricians should provide electrical installation connections. Installations and connections should be done in accordance with all national and local codes and permits. In no way is this document intended to construe warranty or fitness of use of the products described, nor is it intended to provide safety instruction for those installing the product.

WARNING

Before proceeding with installation or service maintenance of this product:

- Disconnect power to reduce electrical shock risk.
- Review the entire Installation Guide.
- Inspect this properly packaged product for any damage that may have occurred during transit.
- Verify product application complies with manufacturer design recommendations.
- Verify the availability of necessary tools and incidental material.
- Verify applicable code requirements. Field assembly and installation are subject to acceptance by local inspection authority.
- Appropriate safety equipment to be determined by end user, per applicable safety standards and precautions.

Luminaire Installation

These luminaires are designed for outdoor lighting service and should not be used in areas of limited ventilation or in high ambient temperature enclosures.

The PTC is designed to fit a 2 3/8" through 3" O.D. pole top or vertical tenon.

Installation and maintenance is made simple and easy by accessing all component compartments using quick-access thumbscrews.

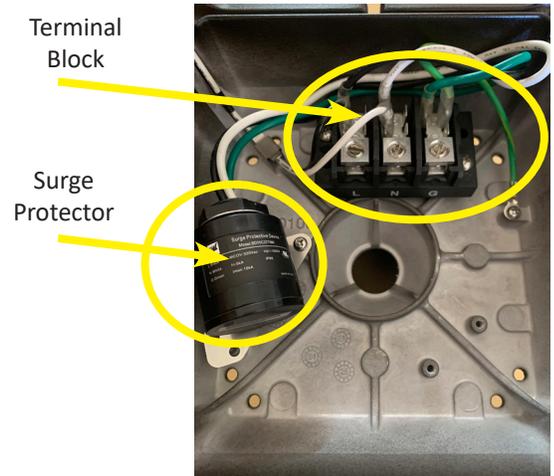
Step 1 - On a pole that is wired with electrical service lead wires, pull electrical service lead wires through sufficiently beyond pole-top so they can reach through fixture fitter into base.

Step 2 - Remove side panel lenses (if applicable). Access wiring compartment by removing cover's two thumb screws.

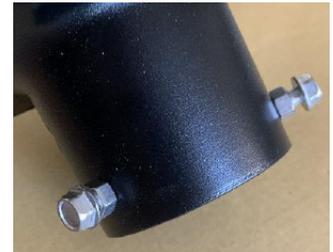


Step 3 - Feed service lead wires through bottom of fitter into wiring compartment. Place fixture on pole top (care must be taken not to pinch service leads). For fixture with asymmetric light pattern (Type 2,3), locate the word "Street side" on the housing overhang. Position fixture on pole so "Street side" faces the street.

*Note: Electrical service leads must be rated for 90° C minimum.



Step 4 - Secure fixture to pole-top by tightening three mounting bolts. Recommended tightening torque 16 +/- 2 lbs-ft. (22Nm +/- 3 Nm).



Electrical Wiring Connection

Wiring Table

	MV* (120/220/277V)	HV* (347/480V)
L	Hot 1	Hot 1
N	Neutral	Hot 2
	Hot 2 (208V/240V)	
G	Ground	Ground

* All Power Supplies are Auto-Sensing



Step 5 - Connect service lead wires to terminal block (black service lead wire to "L" Line, white service lead wire to "N" neutral, and green ground wire "G" to ground).

Step 6 - Connect the green conductor to the ground chassis (shown to the right of the terminal block).

Step 7 - Connect the black conductor (Hot 1) to the input terminal marked "L".

Step 8 - Connect the white conductor (Neutral) or second black conductor (Hot 2) to the input terminal marked "N" according to Wiring Table.

Step 9- Replace the wiring compartment cover by inserting the wiring compartment cover tab into the vertical wireway, then tighten both thumb screws.



Step 10- Reinstall the side panel lenses (if applicable).



Step 11 - Optional Field-Adjustable Light Output (CS Option Code)



LED lumen output can be changed in the field to adjust light output to local conditions. Change is made via the optional current selector (CS option code).

Drive current should comply with designed illumination levels and circuit loading. Consult with design engineer before changing. If a new drive current or output code is required, open the power supply compartment and change the connection according to the current selector or output selector label installed in the fixture.



Step 12 - Photocell

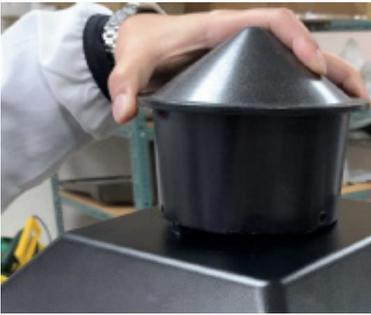
If the luminaire is fitted with a photocell receptacle, install the photocontrol or shorting cap into the top of the fixture.



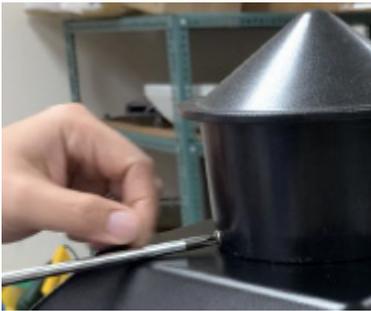
Step 13 - Cupola Installation



1. If optional 6 position cupola is ordered (“C” accessory code), and optional receptacle (“PCR7-CR” option code), rotate the photocell receptacle on top of the luminaire until the indicator points north. Install the photocontrol and lock in place



2. Place the cupola on top of the photocell and rotate so the photocontrol window is centered in the cupola window.



3. Fasten the cupola using the 3 screws provided.

Step 14 - Ladder Rests

Attached ladder rests by screwing into threaded hole.



Complete specifications are available at

<https://leotek.com/lighting-library/>

Information provided subject to change without notice.
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