



GreenCobra™, ComfortView™ & E-Cobra™ LED Street Light Installation 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.

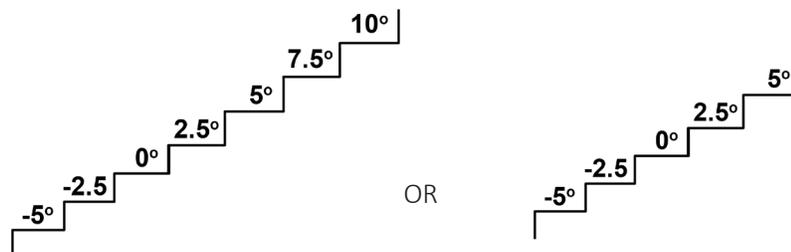
Luminaire Installation

Step 1 - Unfasten the power door latches. User-friendly latches will vary depending on product model.

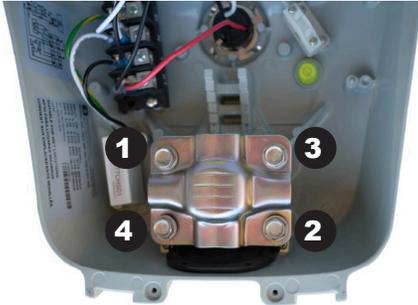
Step 2 - Open the door. Power door can be securely hung or easily removed.



Step 3 Loosen the slip-fitter bracket bolts and insert the mounting arm. The maximum outside diameter for the mounting arm is 2-3/8" (60.3mm). The minimum outside diameter for the mounting arm is 1-5/8" (41.28mm). Mounting arm to be placed "stopped" against appropriate step required to achieve desired degree of tilt. Steps vary from from 0° to get no tilt to the options shown below.



Step 4 - Securely tighten bolts to 16±2lbs-ft. (22Nm ± 3Nm) by alternating from bolt to bolt **in equal measured amounts of 25% torque**. (See image below for tightening order) Ensure that the slip-fitter bracket does not tilt completely to one side and refrain from unevenly tightening bolts, as it will cause cross-threading.



WARNING: Avoid tightening bolts unevenly, as it may cause cross-threading.

Step 5 - Adjust Drive Current/Light Output

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 connector and change the connection according to the current selector or output selector label installed in the fixture. Note: If the Fixed Drive Current (Fixed Output Code in J-Series) option or Control Ready option was ordered, the drive current or the light output cannot be changed. For ComfortView™ product, an output selector is used to adjust the illumination levels and circuit loading. Please refer to ComfortView™ spec sheet for specific details.



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
LO	(If Available) Not Used for Input Voltage	

*** All Power Supplies are Auto-Sensing**

Step 6 - Connect the green conductor to the ground chassis marked “G”(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.

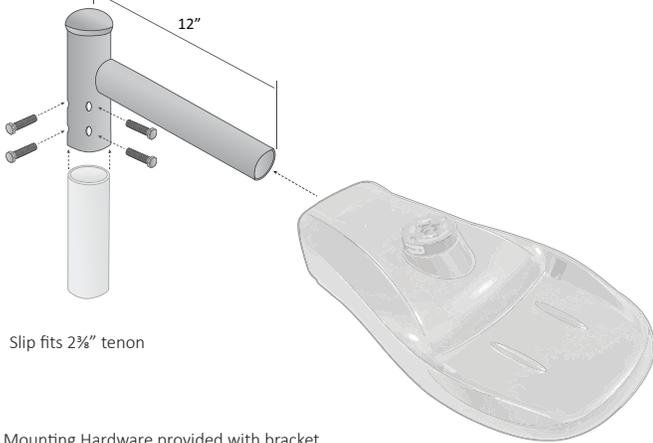
Step 9 - Close the door.

Step 10 - If luminaire is furnished with photocontrol receptacle, install the photo control or shorting cap.



Mounting Accessories

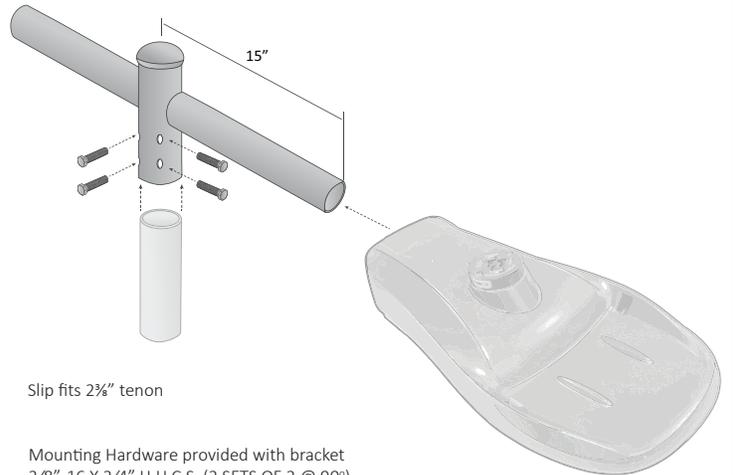
PTB - Pole Top Tenon Horizontal Arm Bracket



Slip fits 2 3/8" tenon

Mounting Hardware provided with bracket
3/8"-16 X 3/4" H.H.C.S. (2 SETS OF 2 @ 90°)

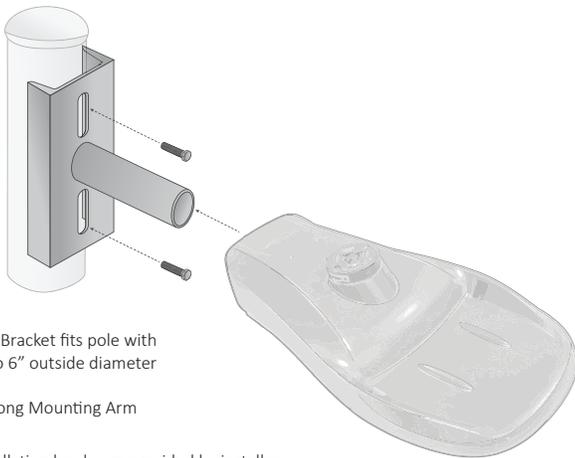
PTB2 - Pole Top Tenon Horizontal Arm Bracket (2@180°)



Slip fits 2 3/8" tenon

Mounting Hardware provided with bracket
3/8"-16 X 3/4" H.H.C.S. (2 SETS OF 2 @ 90°)

RPB - Round Pole Horizontal Arm Bracket

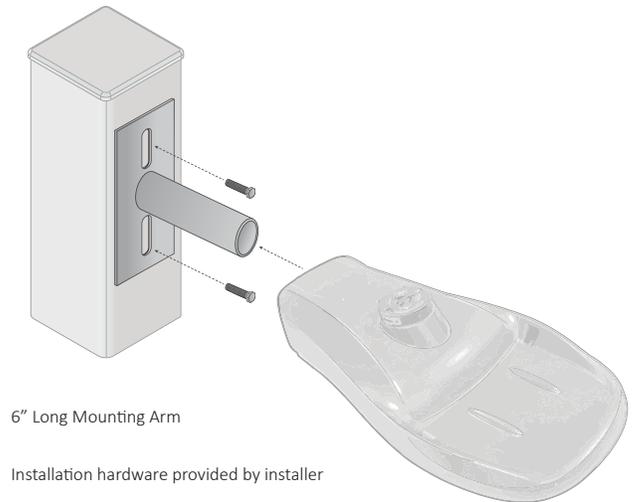


RPB Bracket fits pole with
3" to 6" outside diameter

6" Long Mounting Arm

Installation hardware provided by installer

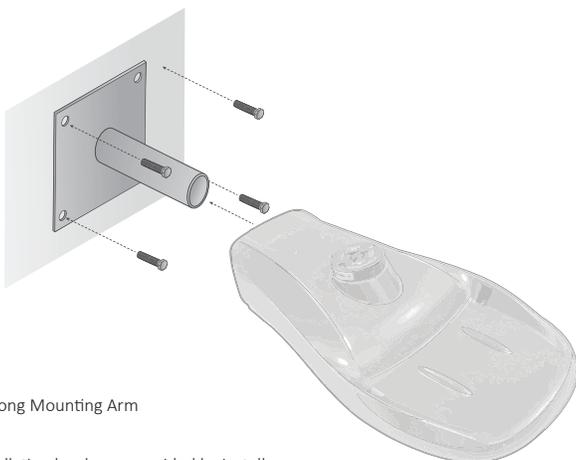
SPB - Square Pole Horizontal Arm Bracket



6" Long Mounting Arm

Installation hardware provided by installer

WB - Wall Horizontal Arm Bracket



6" Long Mounting Arm

Installation hardware provided by installer

Specification drawings for mounting
accessories are available at

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

Information provided subject to change without notice.
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