

GreenCobra™ and 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:

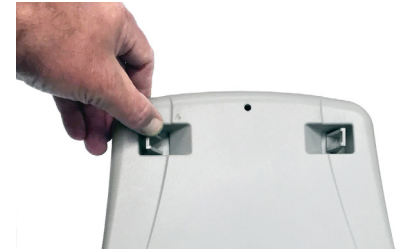
- Disconnect power to reduce electrical shock risk.
- Review the entire Installation Guide.
- Inspect this properly packaged product for any damage that may have occurred during transit.
- Verify product application complies with manufacturer design recommendations.
- Verify the availability of necessary 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

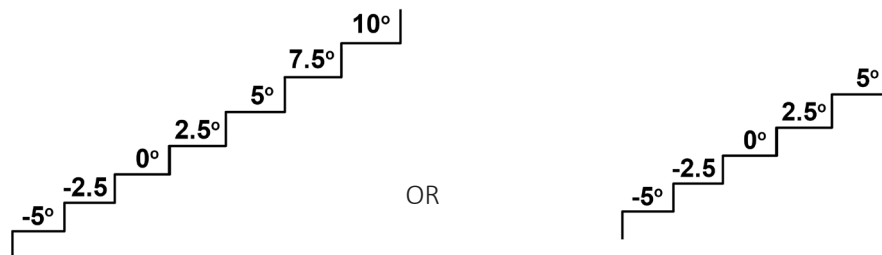
Step 1 - Unfasten the latches.



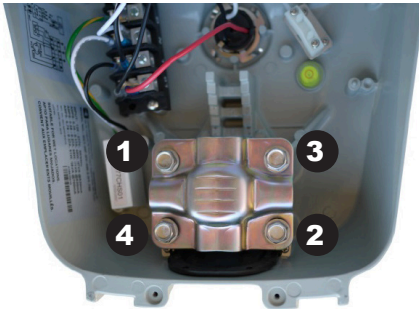
Step 2 - Open the door. Power door can be securely hung or easily removed.



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 25 ft-lbs (35 N-m) by alternating from side to side, 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

Drive current should comply with designed illumination levels and circuit loading. Consult with design engineer before changing. If a new drive current is required, open the connector and change the connection according to the current selector diagram installed in the fixture. Note: If the FDC option or CR option was ordered, the drive current cannot be changed.

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.

