

GreenCobra™ LED Street Light 120-277 & 347-480 Vac GCJ/GCM Series



GCM1/GCM2



GCJ0/GCJ1/GCJ2

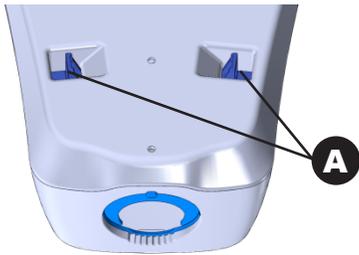
Installation Guide

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.

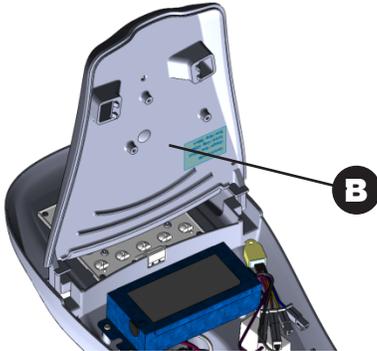
⚠ WARNING

Before proceeding with installation or service maintenance of this product:

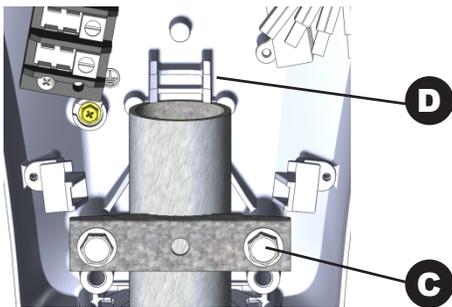
- Disconnect power to reduce electrical shock risk.
- Review the entire Installation Guide.
- Inspect this properly packaged product for any damage that may have occurred during transit.
- Verify product application complies with manufacturer design recommendations.
- Verify the availability of necessary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



Step 1 Unfasten the plastic latches. **A**



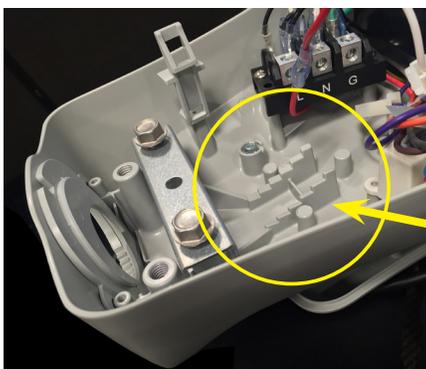
Step 2 Open the power door. **B**



Step 3 Loosen the two slip-fitter bracket bolts **C** 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.* **D** Securely tighten the bolts to 25 ft-lbs (35N-m).

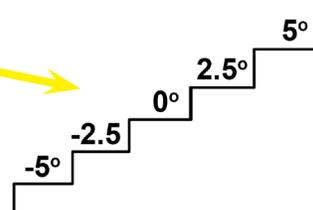
*** Important: see note below.**

Warning! Tighten slip-fitter bracket bolts by alternating from bolt to bolt in equal, measured amounts. Refrain from unevenly tightening bolts, as it will cause cross-threading.



Tilt Angle Feature

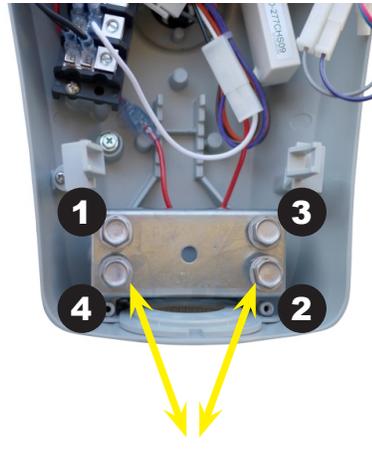
***Note:** After installing the fixture on the mast arm, lay the mast arm against the appropriate step to achieve the desired degree of tilt. Options vary from from 0° to get no tilt to 5°/-5° to get maximum tilt.



2 Bolts Standard / 4 Bolts Optional - Both Factory Installed

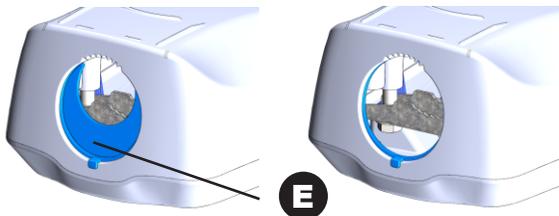


Standard 2 Bolts



Optional 4 Bolts

Recommended for tightening 4-bolt bracket: Tighten each bolt in order from 1-4 in 4 different passes each with 25% torque.



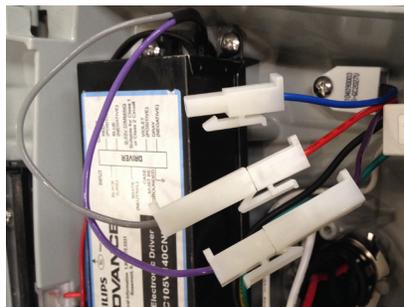
Wildlife Guard Specification

The default factory setting is shown here on the left for a pipe O.D. that is less than 1-1/2". If the O.D. of pipe is from 1-1/2" to 2-3/8", remove the insert. **E**

Current Selector

Blue / Gray 700mA
Red / Gray 1050mA

(Sample Diagram)



Step 4 - Adjust Drive Current*

Drive current should comport with designed illumination levels and circuit loading. Consult with design engineer before changing. Open the fast connector and change the connection according to the current selector diagram installed in the fixture. Note: If the FDC option was ordered, the drive current cannot be changed.

* Control Ready (CR) doesn't have field adjustable option

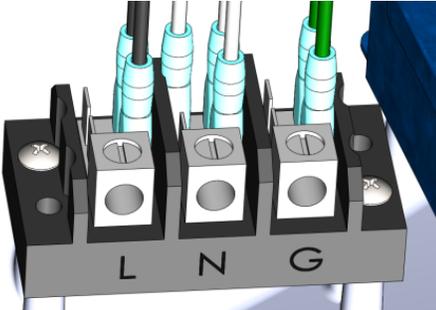
GCJ Drive Current Table

G-Series Drive Current		H-Series Drive Current			
GCJ1	GCJ2	GCJ0	GCJ1		GCJ2
			Option 1	Option 2	
350	700	300			700
580	1A	390	350	450	830
700		490	580	530	900
		590	700	680	1A
		700		700	

GCM Drive Current Table

F-Series Drive Current		G-Series Drive Current	
GCM1	GCM2	GCM1	GCM2
350	700	350	700
530	1A	530	
700		700	

Electrical Wiring Connection



Standard Wiring Selections

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

Step 5 - Connect the green conductor to the ground chassis (shown to the right of the terminal block).

Step 6 - Connect the black conductor (Hot 1) to the input terminal marked “L”.

Step 7 - Connect the white conductor (Neutral) or second black conductor (Hot 2) to the input terminal marked “N” according to Wiring Table.

Note 1: All Power Supplies are Auto-Sensing.

Note 2: GCM does not have HV Option.



Step 8 Close the power door. **B**



Step 9 If luminaire is furnished with photocontrol receptacle, install the photocontrol **F** or shorting cap.