

# GE current EACL LED Area Light Installation Guide



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Installation Guide

GEH6049 | A-1017455

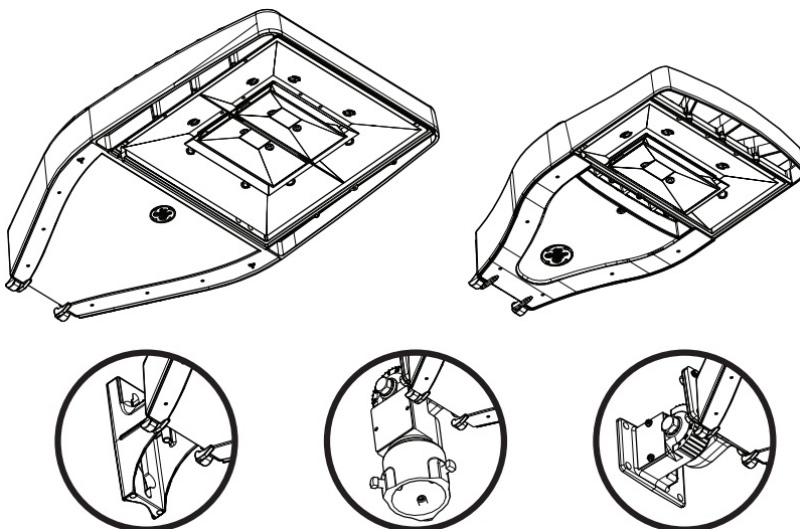
## LED Area Light

(EAL and EACL)



### BEFORE YOU BEGIN

Read these instructions and save for future use.



**! WARNING**

**RISK OF ELECTRIC SHOCK**

Risk of electrical shock. Disconnect power before service installation, or maintenance of the product. **RISK OF INJURY OR DAMAGE**

Unit will fall if not installed properly. Follow installation instructions.

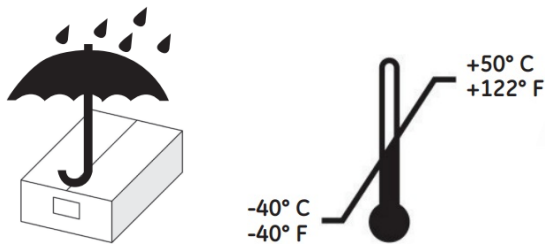
**! CAUTION**

**RISK OF INJURY**

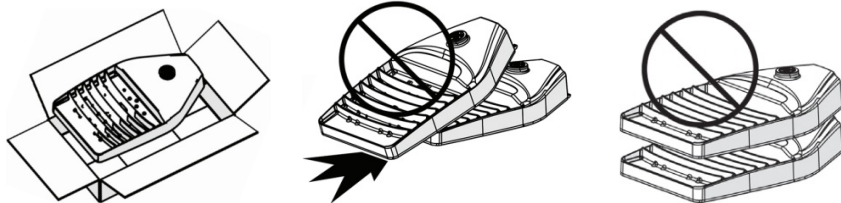
Risk of electrical shock. Disconnect power before service installation, or maintenance of the product. **RISK OF INJURY**

The luminaire should be mounted so that prolonged staring into the luminaire at a distance closer than 0.50m is not expected.

**(1) Storage & Handling**



Store packaged units in a covered dry area



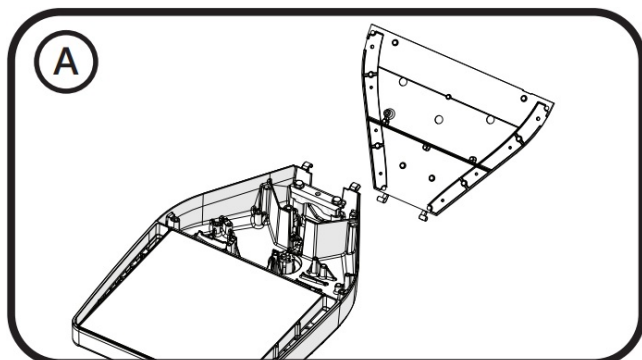
Check for damage

Do not impact

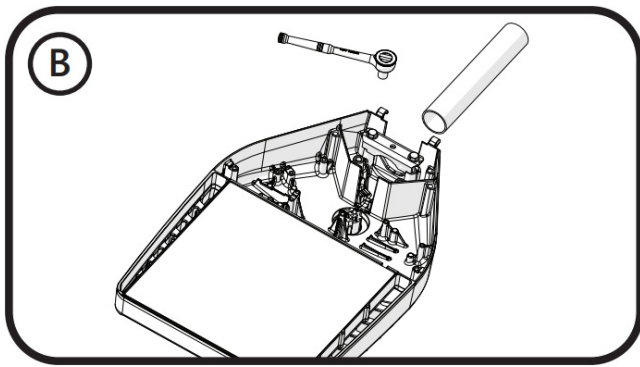
Do not stack

**Evolve™ EAL-Series**

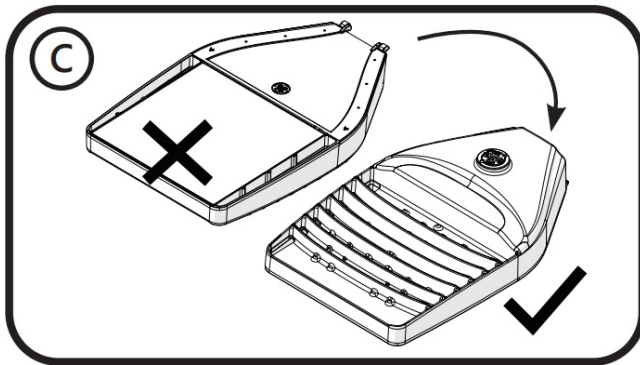
**(2) Slipfitter Mounting**



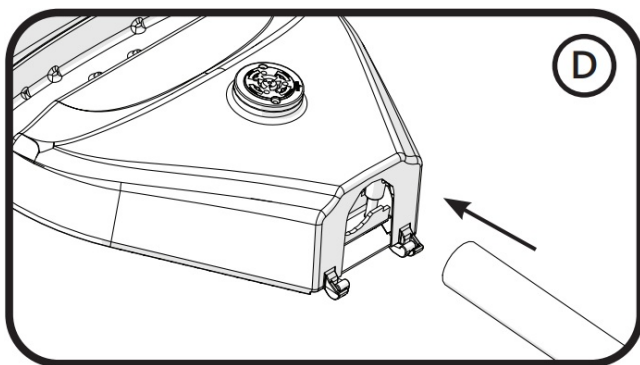
Unless captive, unhinge and remove door.



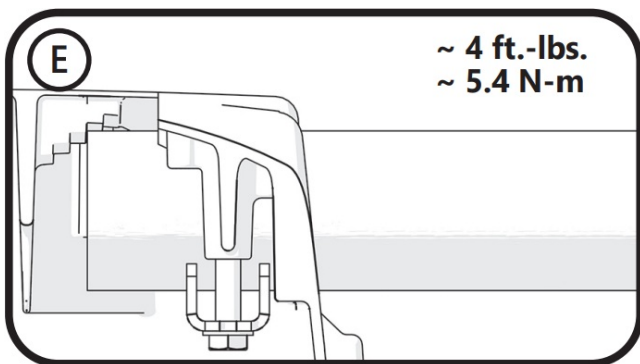
Open clamp to pipe OD.



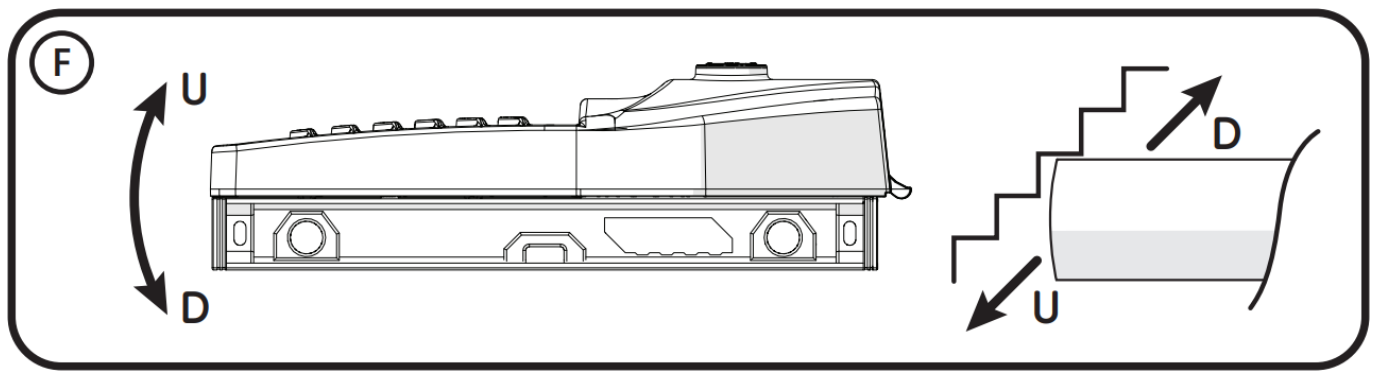
Install with LEDs facing down.



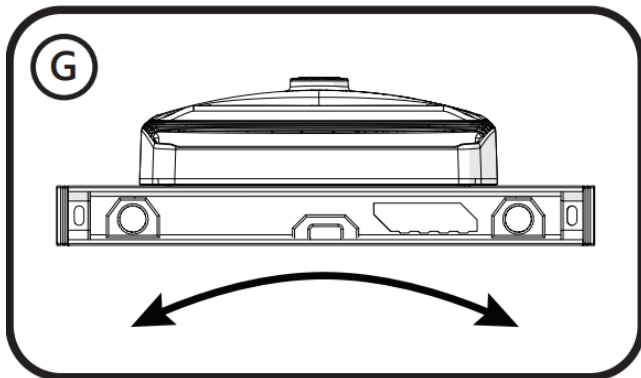
Insert pipe thru housing.



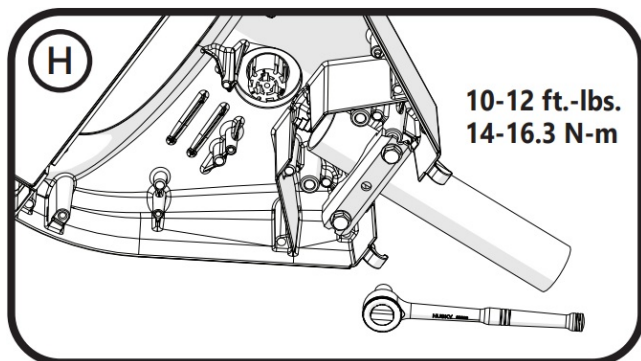
Start pipe on middle step.



Shift steps to level fixture front-to-back.



Rotate to level side-to-side.



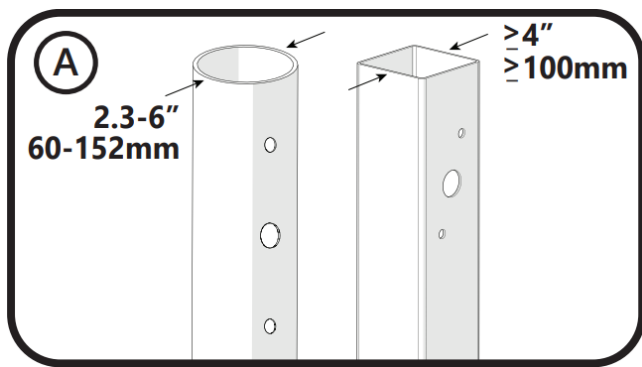
Once level, tighten bolts evenly.

**⚠ WARNING**

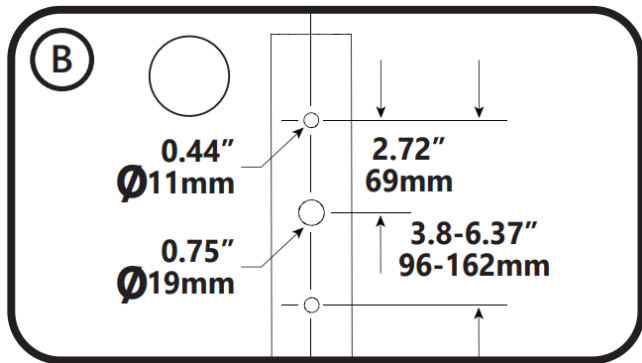
**RISK OF DAMAGE**

Do not torque bolts greater than 12 ft.-lbs.  
Damage may occur.

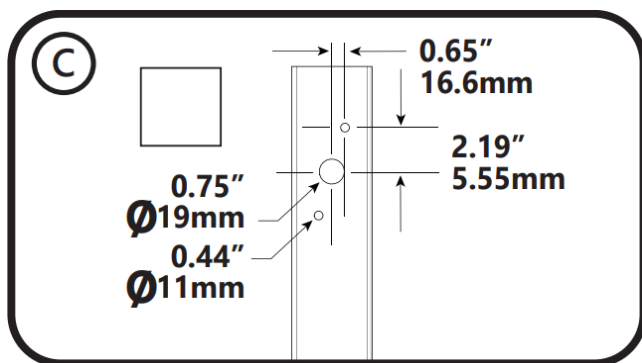
**(3) Pole Mounting**



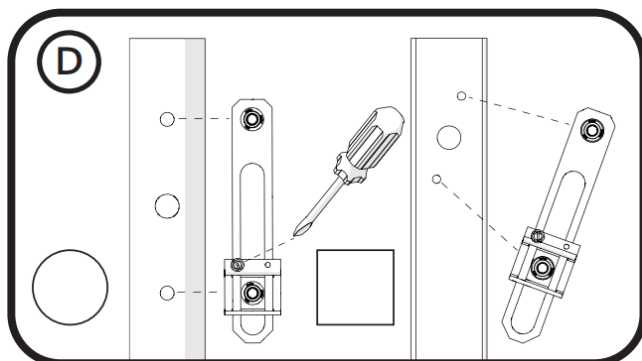
Verify pole size is in allowed range.



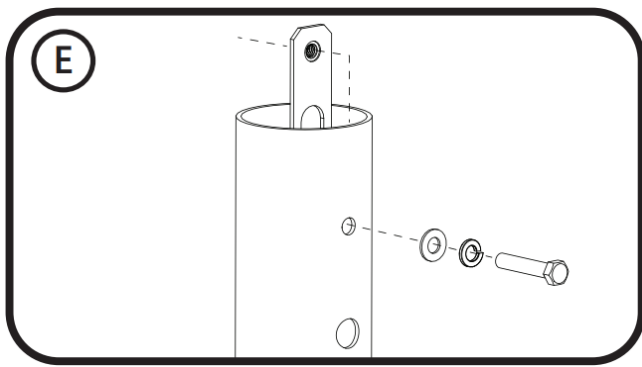
Verify or make hole pattern.



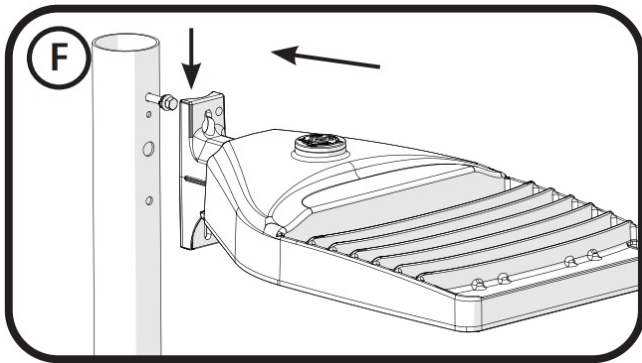
Adjust nut-plate to match hole spacing.



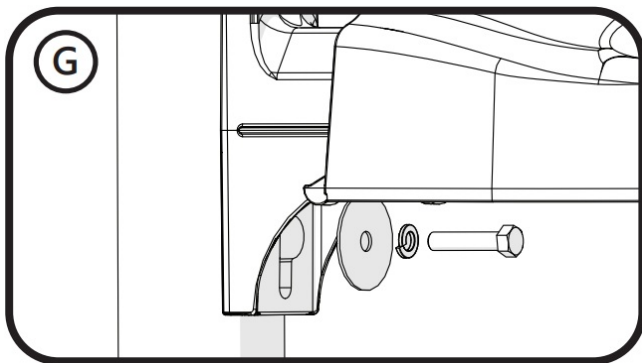
Adjust nut-plate to match hole spacing.



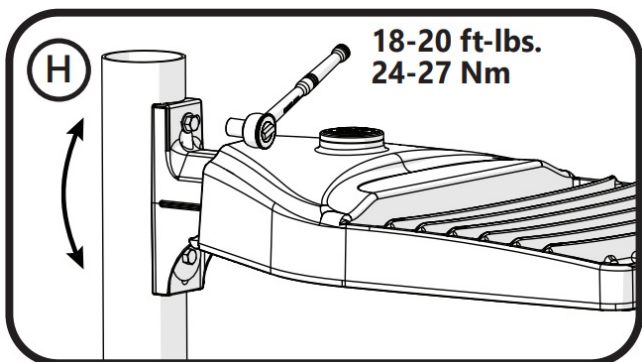
Insert nut-plate and hold with upper bolt.



Hang arm on upper bolt through keyhole.

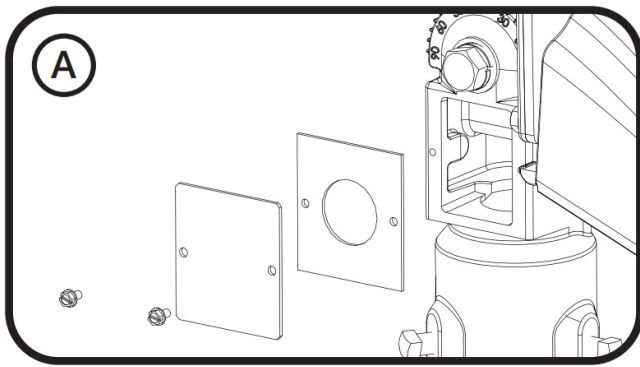


Insert lower bolt/washers and tighten.

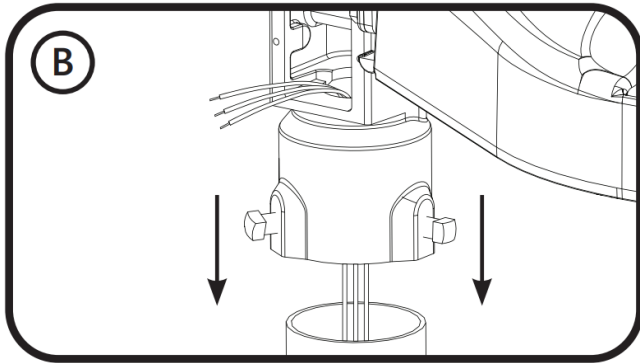


Tighten upper and lower bolts.

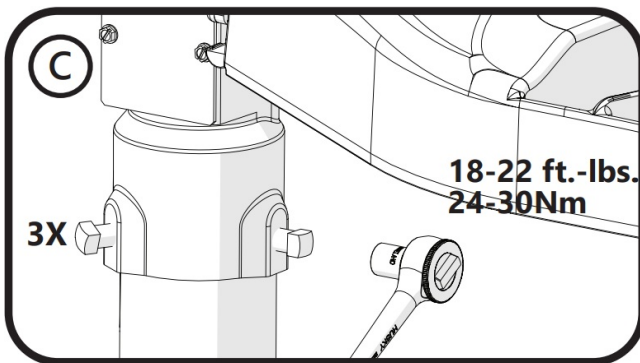
#### (4) Knuckle Mounting



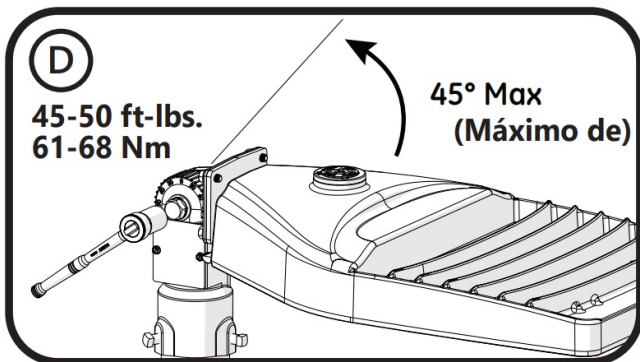
Remove wiring coverplate and gasket.



Thread wire and insert into knuckle base.



Tighten three (3) mounting bolts.



Adjust aim and tighten knuckle bolt.

**! WARNING**

**RISK OF DAMAGE**

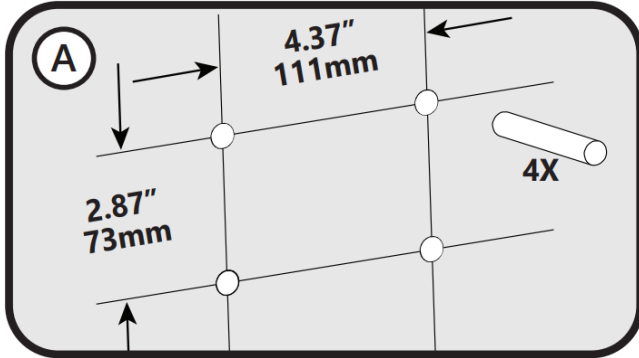
Do not torque bolts greater than 20 ft.-lbs. Damage may occur.

**! WARNING**

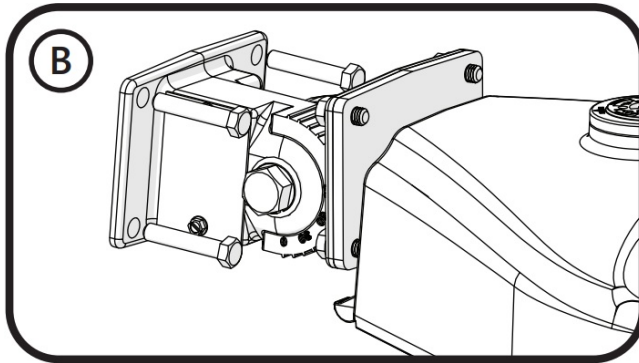
**RISK OF DAMAGE**

Do not torque mounting bolt greater than 22 ft-lbs and knuckle bolt greater than 50 ft-lbs. Damage may occur.

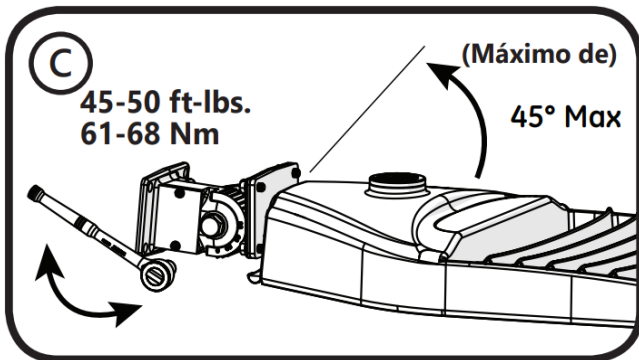
**(5) Knuckle Wall Mounting**



Drill mounting surface and insert 4 user-supplied anchors.



Mount with user-supplied anchor bolts.



Adjust aim and tighten knuckle bolt.

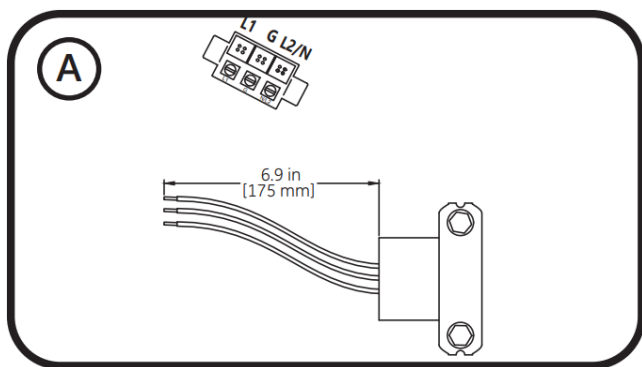
**! WARNING**

**RISK OF DAMAGE**

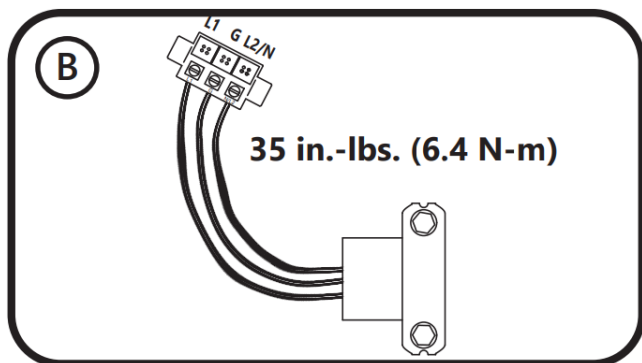
Select user-supplied wall anchors and anchor fasteners suitable for the wall construction and the fixture's mounting hole diameters. Ensure a minimum per-anchor pull-out-strength of 10 times (10X) the fixture weight and install per the manufacturer's instructions.

**(6) Wiring**

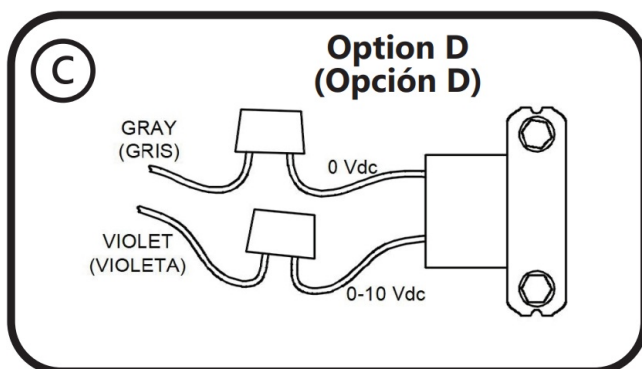




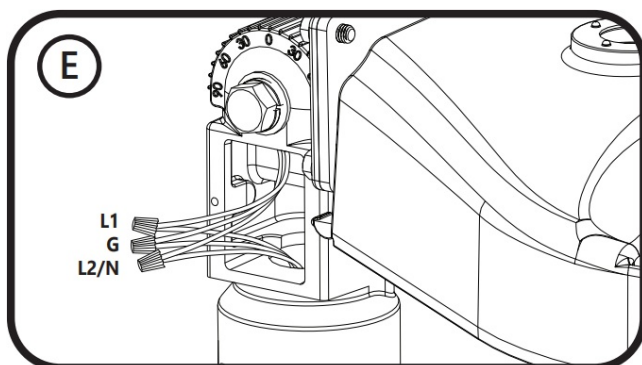
Extend wires past pipe



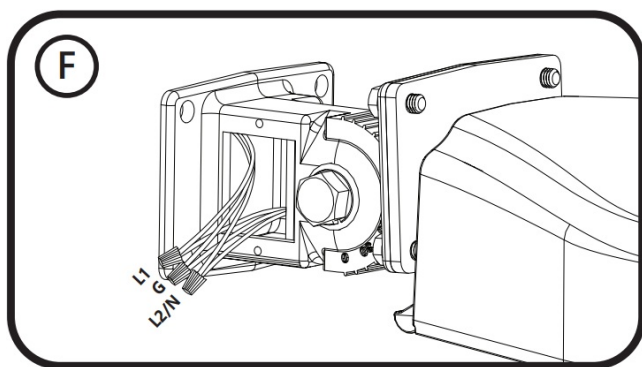
Secure wires in terminal block.



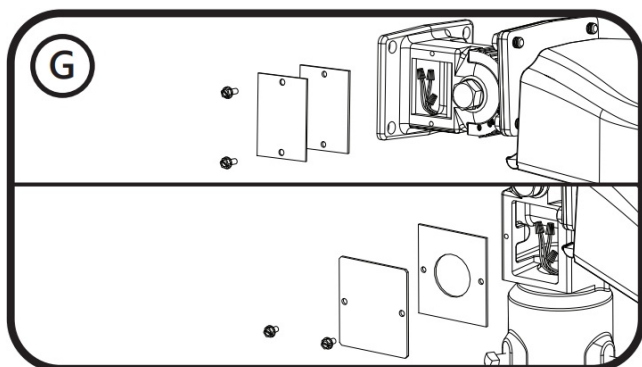
Connections for wired external dimming.



Make supply wire connections.



Make supply wire connections.



Insert wires and reinstall coverplate/gasket

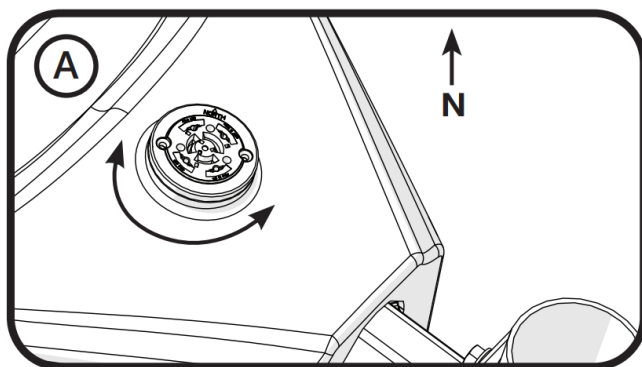
**⚠ CAUTION**

**RISK OF DAMAGE**

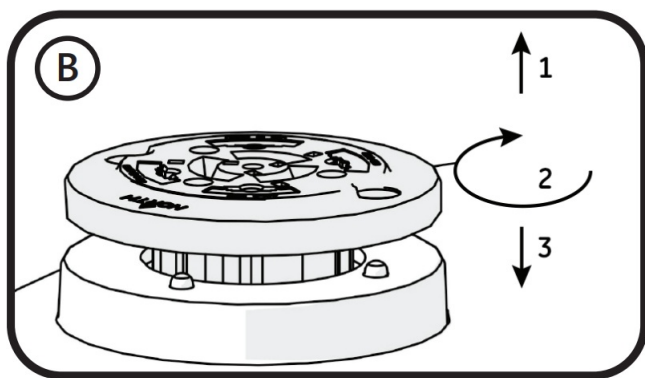
Follow applicable national and local electrical codes.

Verify supply voltage and wire insulation temperature rating match nameplate requirements.

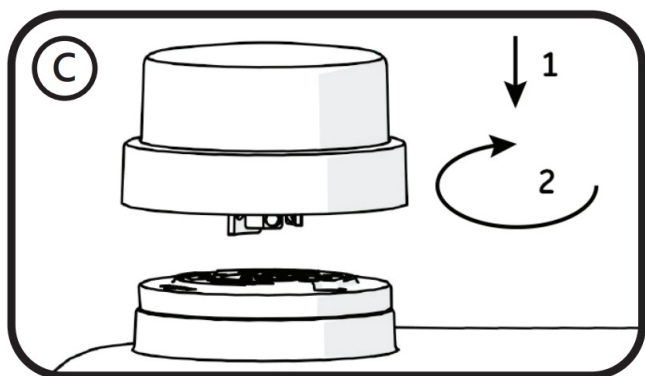
**(7) Photoelectric Control**



Rotate receptacle to aim "N" to North.

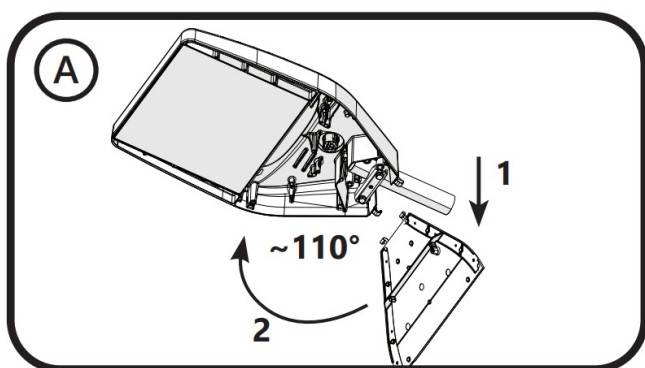


Lift, rotate, release, press to seat.

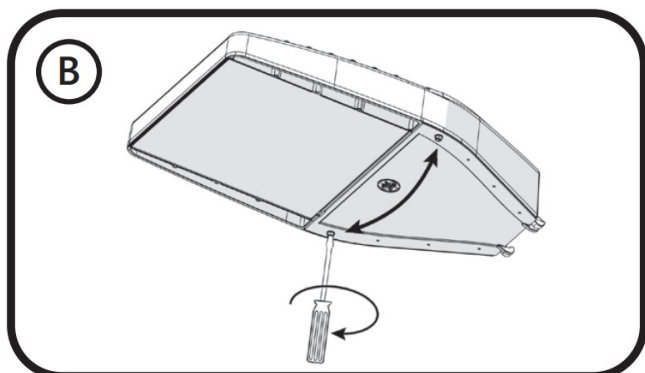


Insert, twist to lock.

#### (8) Door Closing

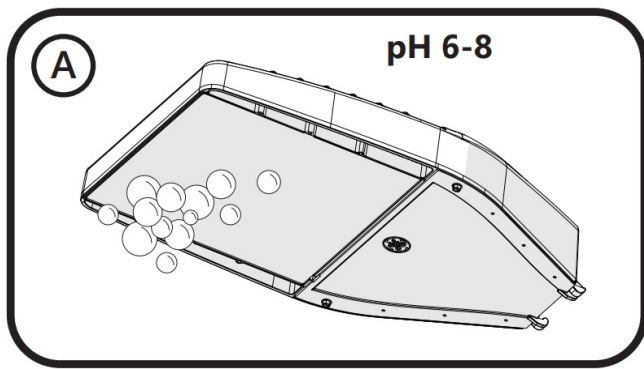


Hang door on hinge, rotate closed.

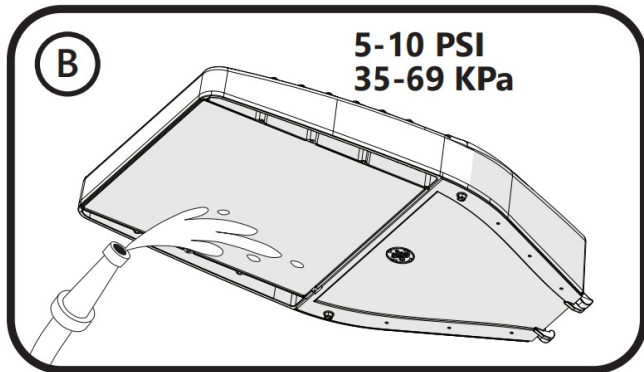


Close and fasten door.

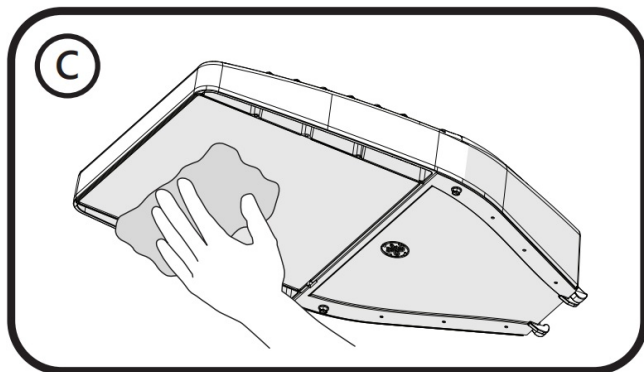
#### (9) Cleaning



Use mild soap/detergent.



Rinse with cool low pressure water.



Wipe dry with clean soft cloth.

 **CAUTION**

**RISK OF DAMAGE.**

Do not use soap/detergent containing aromatic hydrocarbons.

**(10) Specifications**

Luminaire	Approx. Net Wt.	Dimensions	IP Rating	Mounting Height	Effective Projected Area	Operating Temp.
EAL S/P	< 35 lbs (15.9 kg)	25.2 x 16 x 4.6 in – Slipfitter (640 x 406 x 117 mm) 27.9 x 16 x 7.7 in – Univ. Arm (709 x 406 x 196 mm) 29.2 x 16 x 10 in – Knuckle (742 x 406 x 254 mm)	Optical: Std – IP66 Electrical Enclosure: Std – UL Wet Location	27-40 ft. (8.2-12.2 m)	0.54 ft (0.05 m <sup>2</sup> ) – Slipfitter 0.63 ft (0.06 m <sup>2</sup> ) – Univ. Arm 0.73 ft (0.07 m <sup>2</sup> ) – Knuckle 2.45 ft (0.23 m <sup>2</sup> ) – Knuckle @ 45°	-40° to 40°C
EACL	<20 lbs (9.1 kg)	19.5 x 12 x 4.6 in – Slipfitter (495 x 305 x 117 mm) 22.2 x 12 x 7.7 in – Univ. Arm (564 x 305 x 196 mm) 23.5 x 12 x 10 in – Knuckle (597 x 305 x 254 mm)		16- 27 ft (4.9-8 m)	0.37 ft (0.03 m <sup>2</sup> ) – Slipfitter 0.52 ft (0.06 m <sup>2</sup> ) – Univ. Arm 0.56 ft (0.05 m <sup>2</sup> ) – Knuckle 1.03 ft (0.10 m <sup>2</sup> ) – Knuckle @ 45°	-40° to 50°C*

\*\*Selected SKU's 50°C. See Datasheet

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This Class [A] RFLD complies with the Canadian standard ICES-005. **Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to Current.

**Documents / Resources**



**[GE current EACL LED Area Light](#)** [pdf] Installation Guide

EAL, EACL, EACL LED Area Light, EACL, LED Area Light, Area Light, Light