

FL-LED-R2B-XXXPS-8CSB-ST

High-Power LED Rectangular Floodlight



INSTALLATION INSTRUCTIONS

PLEASE FIND A QUALIFIED ELECTRICIAN FOR INSTALLATION. Please read the instructions before installation and use.

APPLICATION

Pole-, ground-, or structure-mount outdoor illumination needs (including parking lots, auto dealerships, building façades, signs, recreational venues, and other general area lighting requirements).

SAFETY AND ELECTRICAL PARAMETERS

CAUTION

- Do not use electric generator to test fixture.
- Abide by all local, state, and federal laws when installing fixture.
- Do not install fixture when raining.
- Please turn off the power before installation or maintenance. Proper grounding is required to ensure safety.

CAUTION

- To avoid electric shock or risk of fire, installation should be performed by a trained professional.
- Wear gloves to avoid injury.
- If you see smoke or fire, turn off power to fixture and request help from safety personnel.
- This fixture is intended for use outdoors.

CAUTION

- This fixture is equipped with selectable wattage and selectable CCT.
- This fixture is dimmable.
- There are three dimming functions available:
 - 0–10V dimming
 - PWM signal dimming
 - Power selectable step dimming

Caution: Before installing, make certain that AC power to the fixture is off.

Caution: The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.

COMPONENTS INCLUDED IN KIT

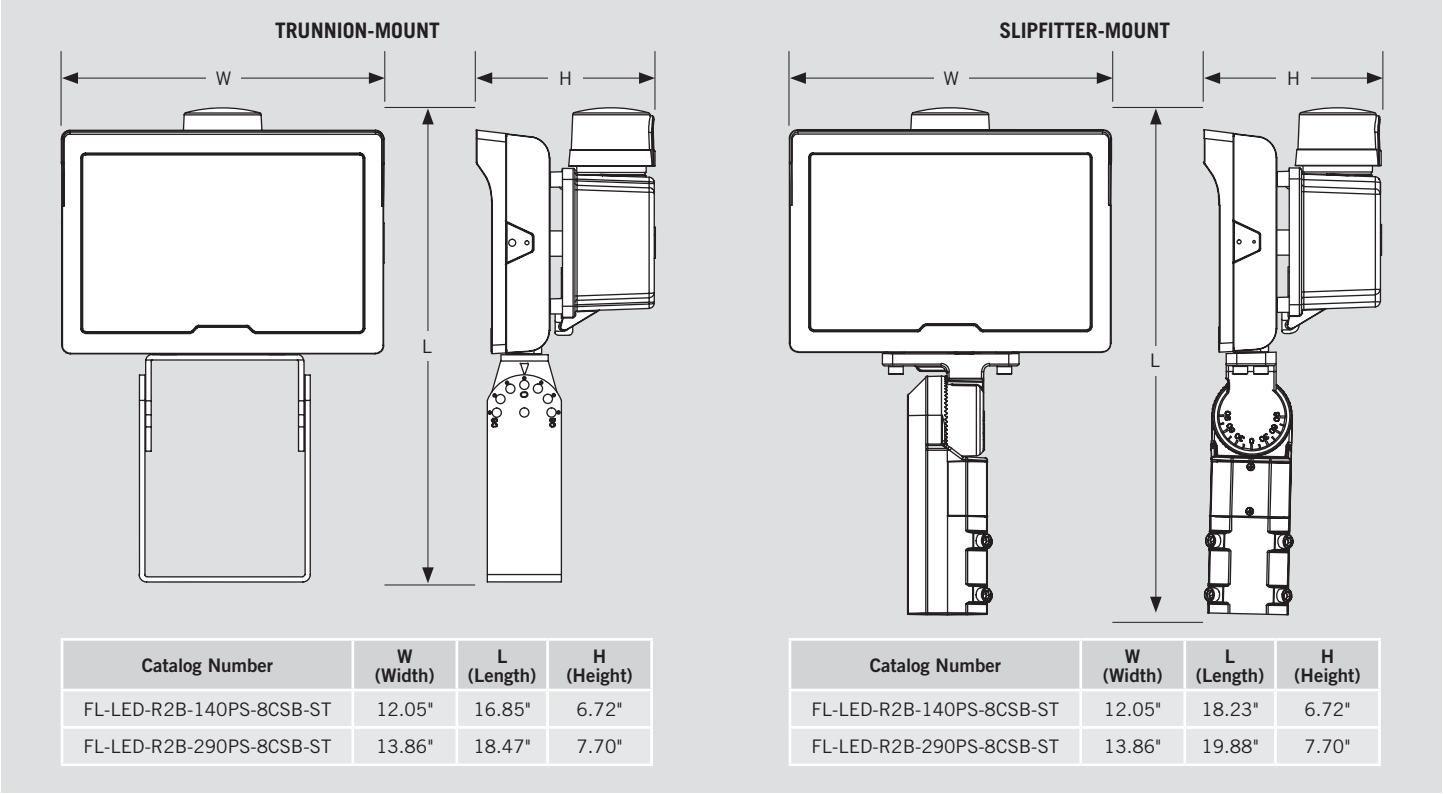
Part	Quantity
LED Rectangular Floodlight	1
Slipfitter-Mount	1
Trunnion-Mount	1
Instruction Sheet	1

ELECTRICAL SPECIFICATIONS

Catalog Number	Wattage	CCT	Lumens	Efficacy	Input Voltage	Optics Type	Dimming	Housing Color	CRI	Rated Life	Legacy Equivalent
FL-LED-R2B-140PS-8CSB-ST	140W	3000K	17,500	125 lm/W	120–277V	7H × 6V	0–10V	Bronze	>80	50,000 hrs	400W MH
		4000K	20,300	145 lm/W							
		5000K	18,900	135 lm/W							
	100W	3000K	13,500	135 lm/W							
		4000K	15,500	155 lm/W							
		5000K	14,500	145 lm/W							
FL-LED-R2B-290PS-8CSB-ST	290W	3000K	34,800	120 lm/W	120–277V	7H × 6V	0–10V	Bronze	>80	50,000 hrs	1,000W MH
		4000K	40,600	140 lm/W							
		5000K	37,700	130 lm/W							
	210W	3000K	27,300	130 lm/W							
		4000K	29,400	140 lm/W							
		5000K	28,350	135 lm/W							

Note: Mounting options are universal: 2 3/8" Trunnion or Slipfitter. Photocell included.

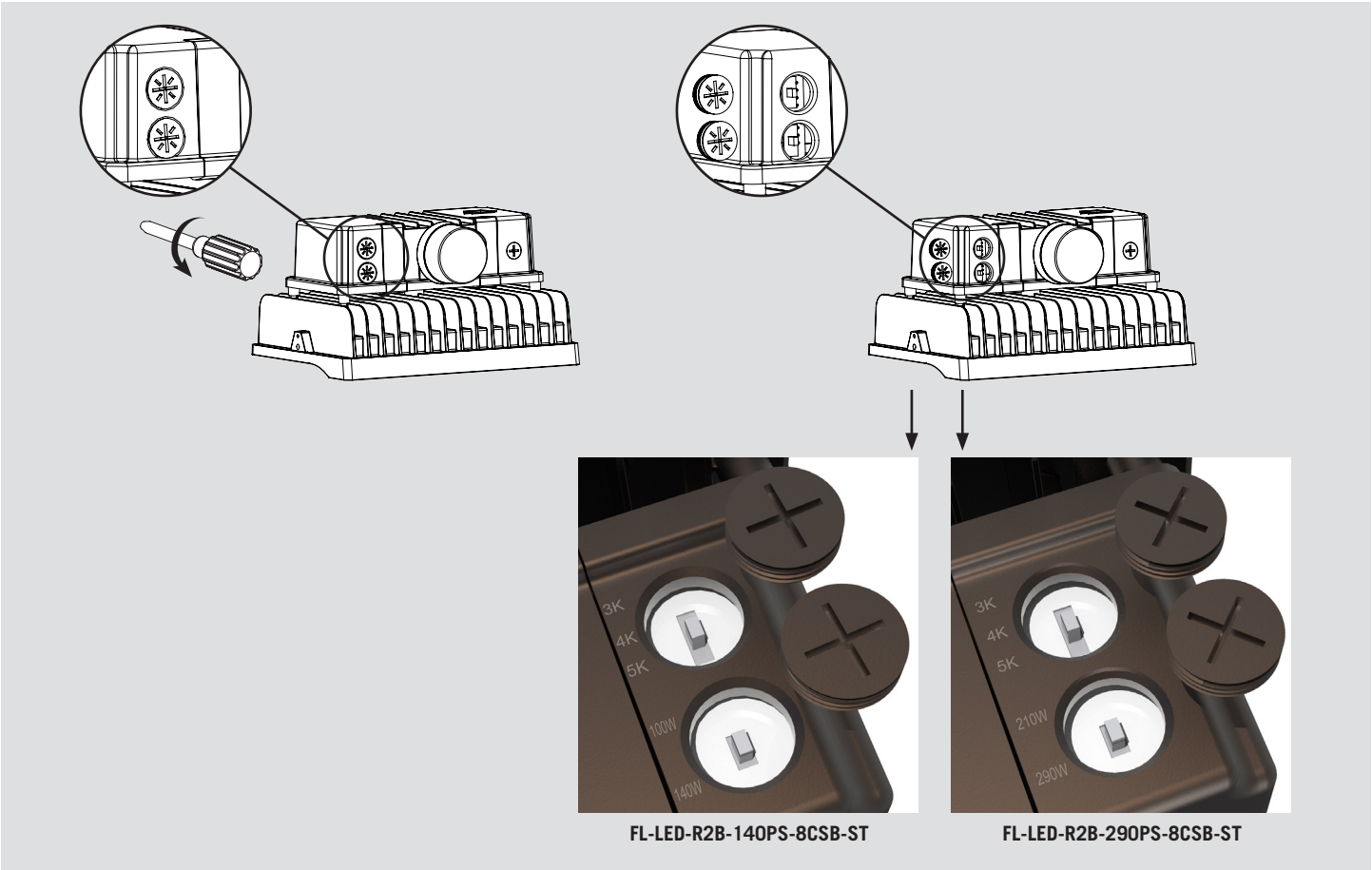
DIMENSIONS



SELECTABLE WATTAGE AND SELECTABLE CCT ADJUSTMENT INSTRUCTIONS

This fixture is equipped with field-adjustable selectable wattage and selectable CCT technology.

- 1. Ensure power is off to the fixture.
- 2. Unscrew the gasketed caps from the back of the fixture as shown in the images below.
- 3. Adjust dip switches to desired settings.
- 4. Screw on gasketed caps.
- 5. Restore power to fixture.

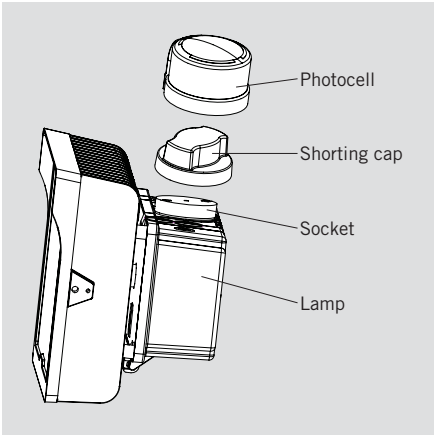


PHOTOCELL INSTRUCTIONS

This fixture comes with a 3-pin, twist-lock photocell accessory.

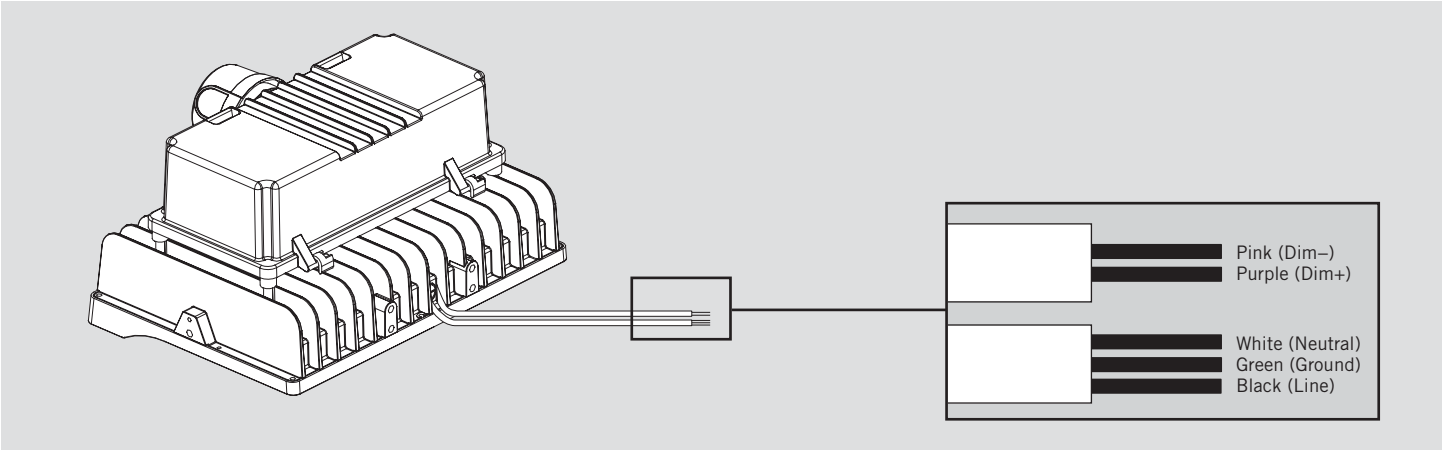
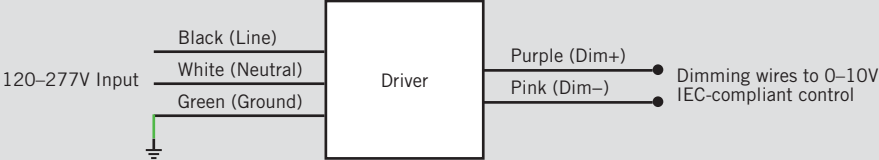
This fixture is compatible with NEMA/ANSI C136.10-2010 3-pin twist-lock photocells.

- 1. Ensure power is off to the fixture.
- 2. Remove existing twist-lock shorting cap from receptacle.
- 3. Push the photocell onto the receptacle and twist clockwise to lock into place.
- 4. For optimal performance, install the photocell with sensor director facing north, as indicated on the top of the accessory. Adjust if necessary, while ensuring proper water-tight install.
- 5. Restore power to fixture when ready.



WIRING DIAGRAMS

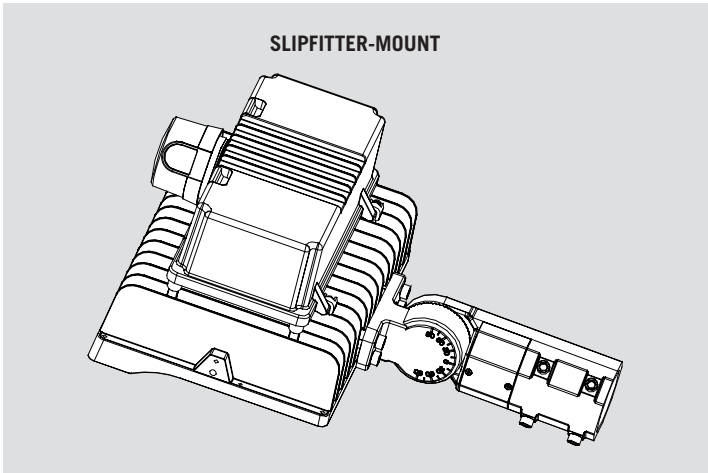
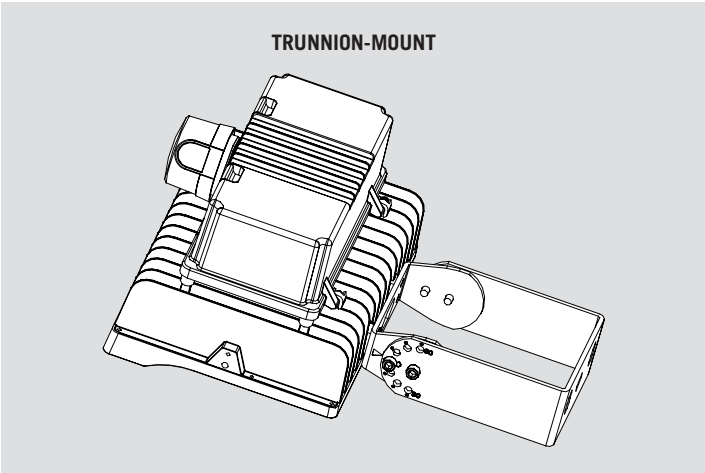
GENERAL WIRING DIAGRAM



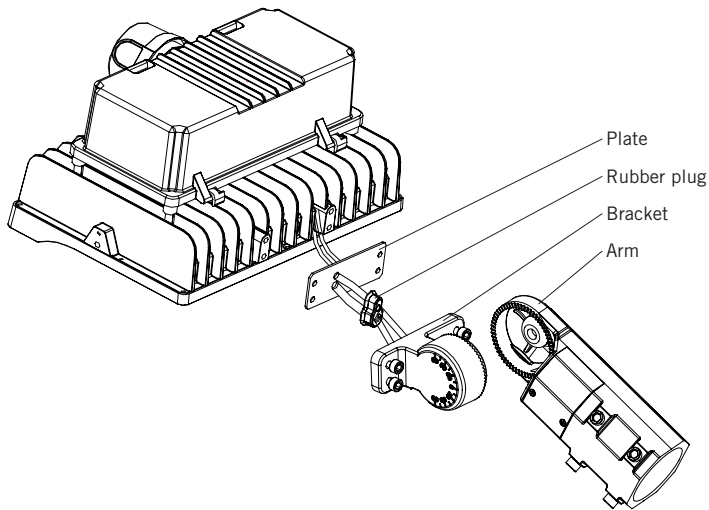
MOUNTING OPTIONS

There are 2 mounting options for this fixture.

Note: This fixture is pre-installed with the slipfitter-mount.



PRE-INSTALLED SLIPFITTER MOUNTING KIT

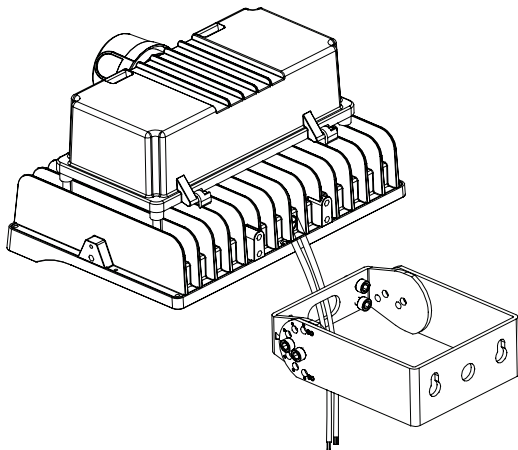


INSTALLATION INSTRUCTIONS

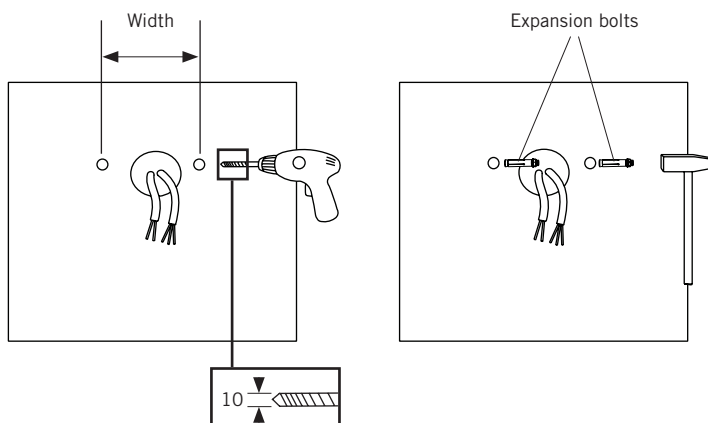
TRUNNION-MOUNT*

Shut off power at the source of the fixture housing into which you are installing fixture.

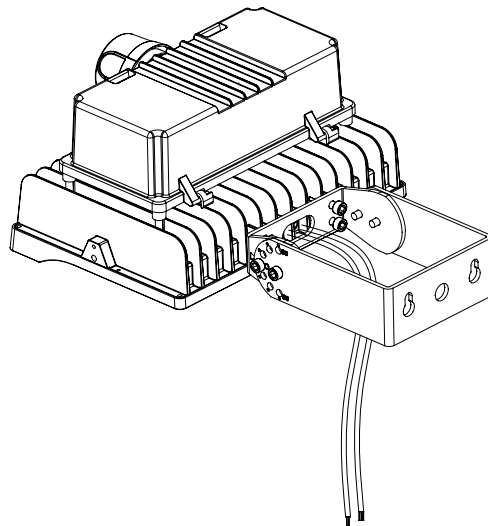
1. Remove the pre-installed slipfitter arm from the bracket.
2. Remove the slipfitter bracket from the fixing plate.
3. Remove the rubber plug and fixing plate from the housing.
4. Pass the input wire through the top of the trunnion.



6. Drill holes into desired location as shown.
7. Mount fixture using suitable fasteners for application (i.e., bolts, lockwashers, and nuts [not included]).
8. Connect wires properly and insert into junction box.

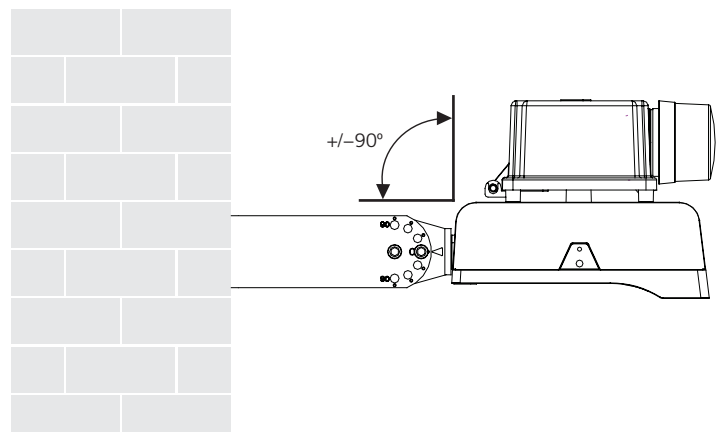


5. Affix the trunnion bracket to the underside of the housing.



9. Adjust tilt-angle of fixture to desired setting by loosening hardware on both sides of the trunnion. Once desired angle is chosen, tighten hardware to secure.

Turn on power when ready.



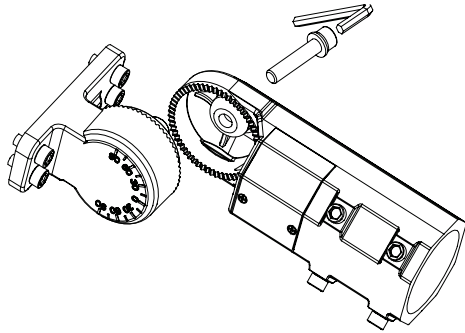
*Note: if final wiring is to be outdoors, a UL listed, water-tight cord connector (suitable for use in wet locations) is required for installation to a wet location junction box. Connector should be sealed with Teflon tape or a silicone sealant at entry. To reduce risk of water entry, install cord connector so that the power cord faces the ground within the junction box.

INSTALLATION INSTRUCTIONS (continued)**SLIPFITTER-MOUNT**

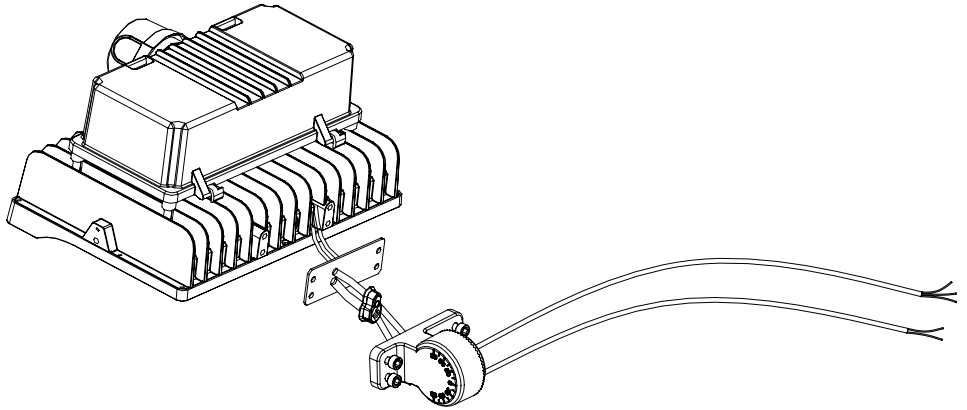
Note: This fixture is pre-installed with the slipfitter-mount. Reference this page to reattach slipfitter-mount after removal.

Shut off power at the source of the fixture housing into which you are installing fixture.

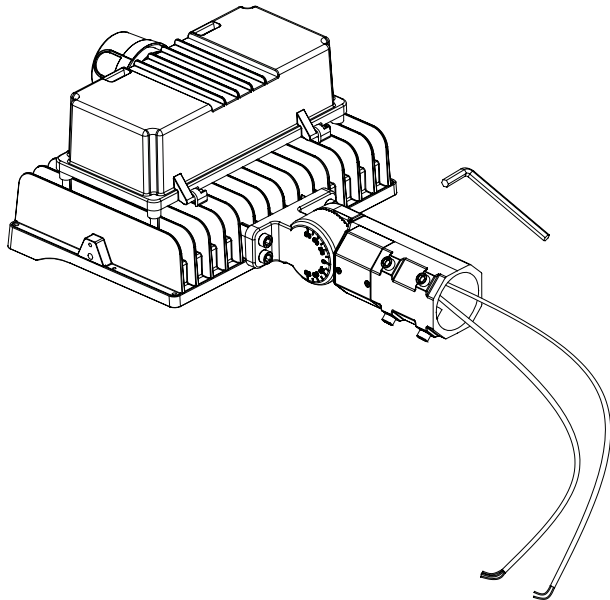
1. Separate the slipfitter bracket from the arm.



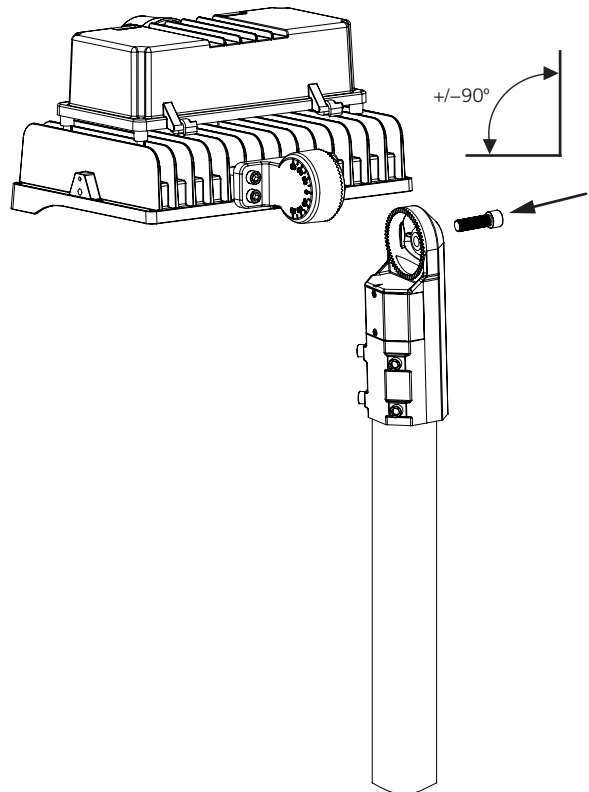
2. Pass the input wire through the fixing plate and the rubber plug.
3. Pass the input wire through the slipfitter bracket.



4. Pass the input wire through the slipfitter arm and reattach to the bracket.



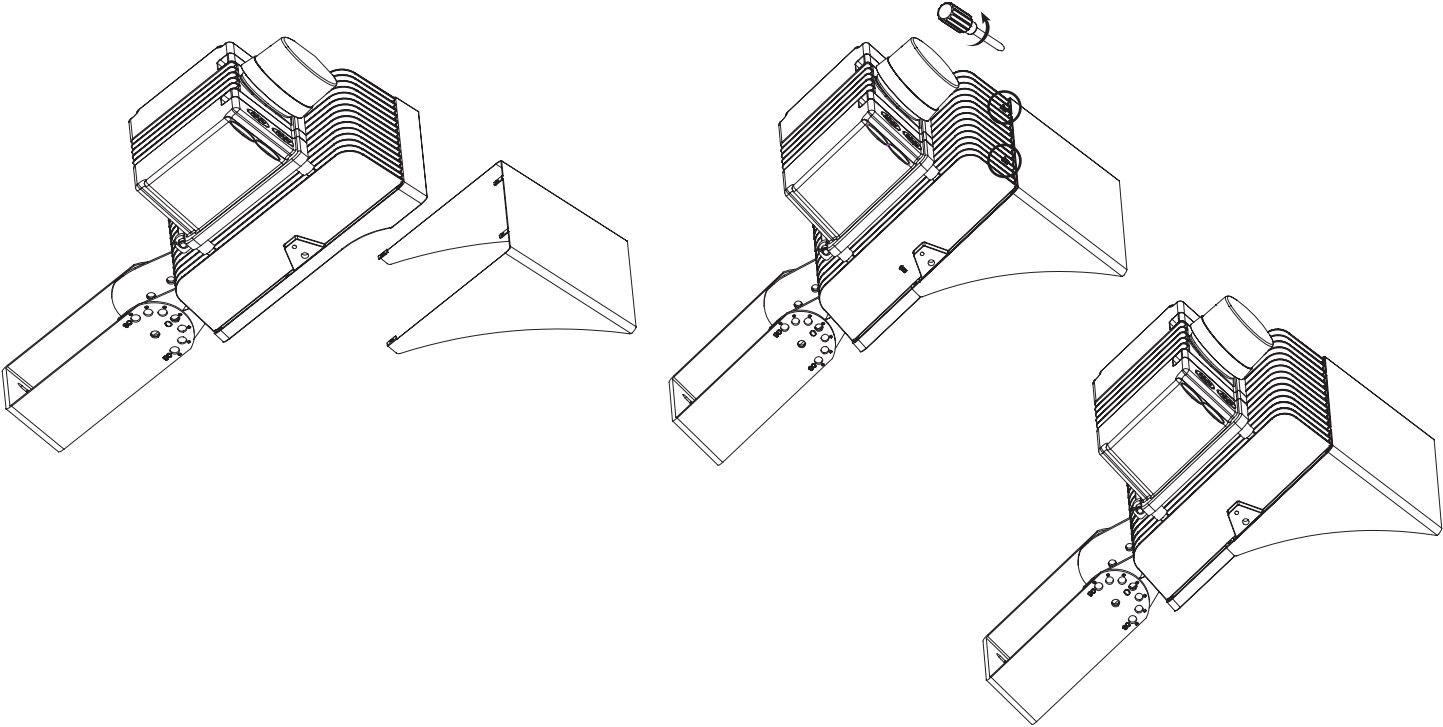
- 5: Feed supply wires from tenon to slipfitter and make all necessary connections, ensuring proper strain-relief for wiring.
 - 6: Place the slipfitter over the tenon and secure to pole using proper hardware. Ensure all screws are tightened for security of application.
 - 7: Adjust tilt-angle of fixture to desired setting by loosening the socket head screw on the rotating knuckle. Once desired angle is chosen, tighten hardware to secure.
- Turn on power when ready.



OPTIONAL ACCESSORIES (sold separately)

GLARE SHIELD KIT

1. Align the screw holes on the glare shield to the holes on the back of the housing.
2. Using the screws provided in the accessory kit, affix the glare shield to the housing. Ensure proper tightness before using fixture.



HIGH-POWER LED RECTANGULAR FLOODLIGHT ORDERING INFORMATION

Catalog Number	Pack Qty.	UPC	Easy Code
FL-LED-R2B-140PS-8CSB-ST	1	843654148700	XWY-99
FL-LED-R2B-290PS-8CSB-ST	1	843654148717	LLM-02