



COOPER PRV Prevail LED Pole and Fixture Combo Light Installation Guide

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SAFETY INFORMATION



WARNING

Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Serious bodily injury or property damage may occur if the pole mounted luminaire is not installed to a compatible new or existing pole specific to the conditions of your installation and physical location. Refer to our pole white paper WP513001EN for additional support information.



WARNING

Make certain power is OFF before starting installation or attempting any maintenance.



WARNING

Risk of fire/electric shock. If not qualified, consult an electrician.

**WARNING**

Risk of Electric Shock – Disconnect power at fuse or circuit breaker before installing or servicing.

**WARNING**

Risk of Burn – Disconnect power and allow fixture to cool before servicing.

**WARNING**

Risk of Personal Injury – Fixture may become damaged and/or unstable if not installed properly.

- Do not mount luminaire within 6" of a combustible surface.

NOTE: These instructions do not claim to cover all details or variations in the equipment, procedure, or process described, nor to provide directions for meeting every possible contingency during installation, operation or maintenance. When additional information is desired to satisfy a problem not covered sufficiently for user's purpose, please contact your nearest representative.

NOTE: This lighting fixture has been shipped complete with one of several mounting options. Please follow the installation instructions specific to the catalog part that you ordered.

NOTE: Care must be taken not to set lighting fixture down on optical lenses or lift the fixture in the lens area.

NOTE: Specifications and dimensions subject to change without notice.

IMPORTANT: Read carefully before installing fixture. Retain for future reference.

GENERAL: Upon receipt of the fixture, thoroughly inspect for any freight damage which should be brought to the attention of the delivery carrier. Compare the catalog description listed on the packing slip with the fixture label on the housing to assure you have received the correct material.

SAFETY: This fixture must be wired in accordance with the National Electrical Code and applicable local codes and ordinances. Proper grounding is required to insure personal safety. Carefully observe grounding procedure under installation section.

APPLICATIONS: This lighting fixture is designed for outdoor lighting services, and should not be used in area of limited ventilation or inside high ambient temperature enclosures. It must be stored in a dry location prior to installation. Do not expose lighting fixture to rain, dust or other environmental conditions prior to installation and insertion of photo control or shorting cap (if so equipped). Do not install the fixture near combustible materials or locate next to airflow blocking surfaces within 6 inches. Best results will be obtained if installed and maintained according to the following recommendations.

INSTALLATION

This lighting fixture has been shipped complete with one of several mounting options. Please follow the installation instructions specific to the catalog part that you ordered.

Note: Care must be taken not to set lighting fixture down on optical lenses or lift the fixture by the lens.

Tools Required

Ratchet, 3/4" socket, 3/4" wrench, #2 Phillips head screw driver and torque wrench.

Pole Mount Arm (Figure 1. – Figure 5.)

1. Pole mounting arm is designed for a square or round pole. Round pole installation will require the mounting arm break away tabs to be removed. Grab break away tab with pliers and break-away the tab. (Figure 1.)

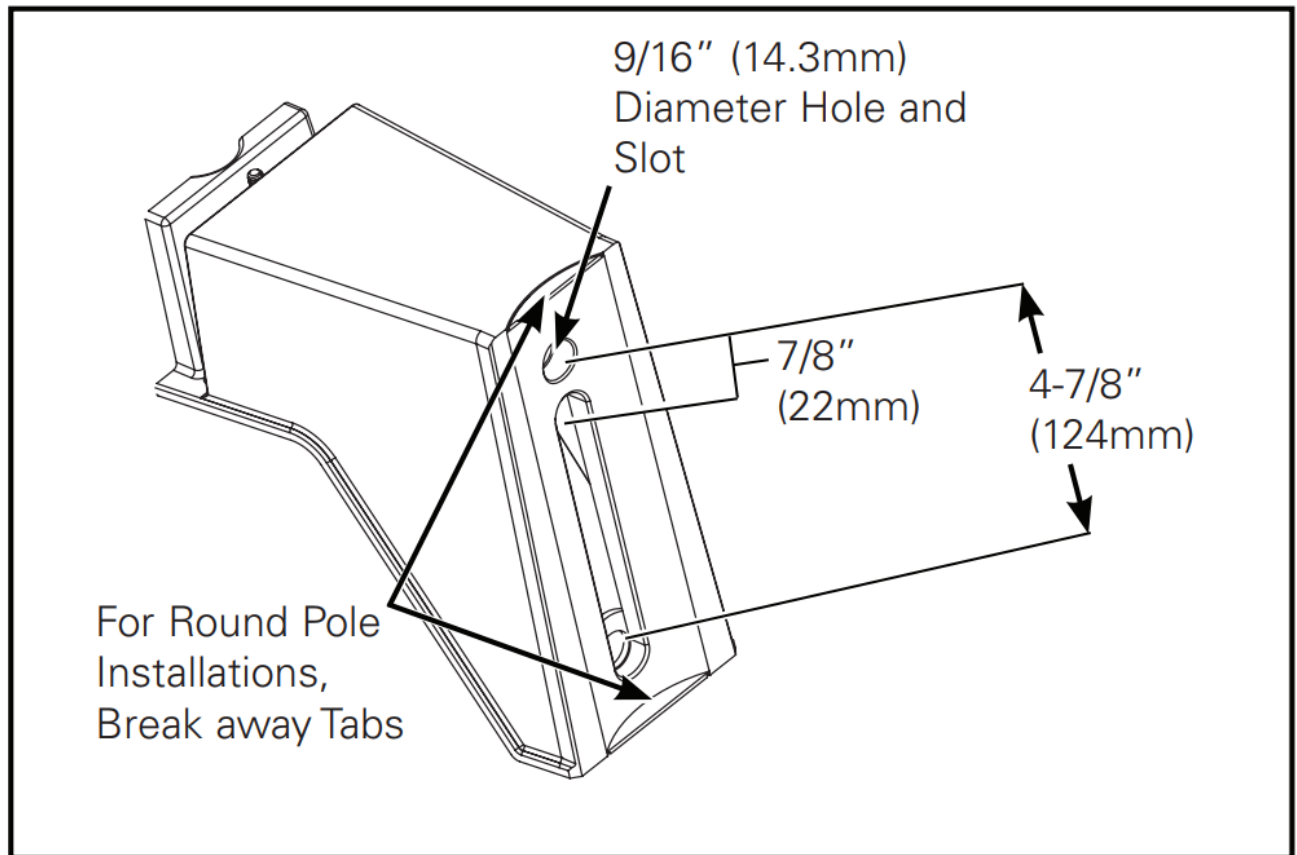


Figure 1.

2. Mount the arm to the round or square pole using the provided 1/2" x 1-3/4" long bolts and nuts as shown. Torque bolts to 40 foot-lbs. (55 N-M). (Figure 2.)

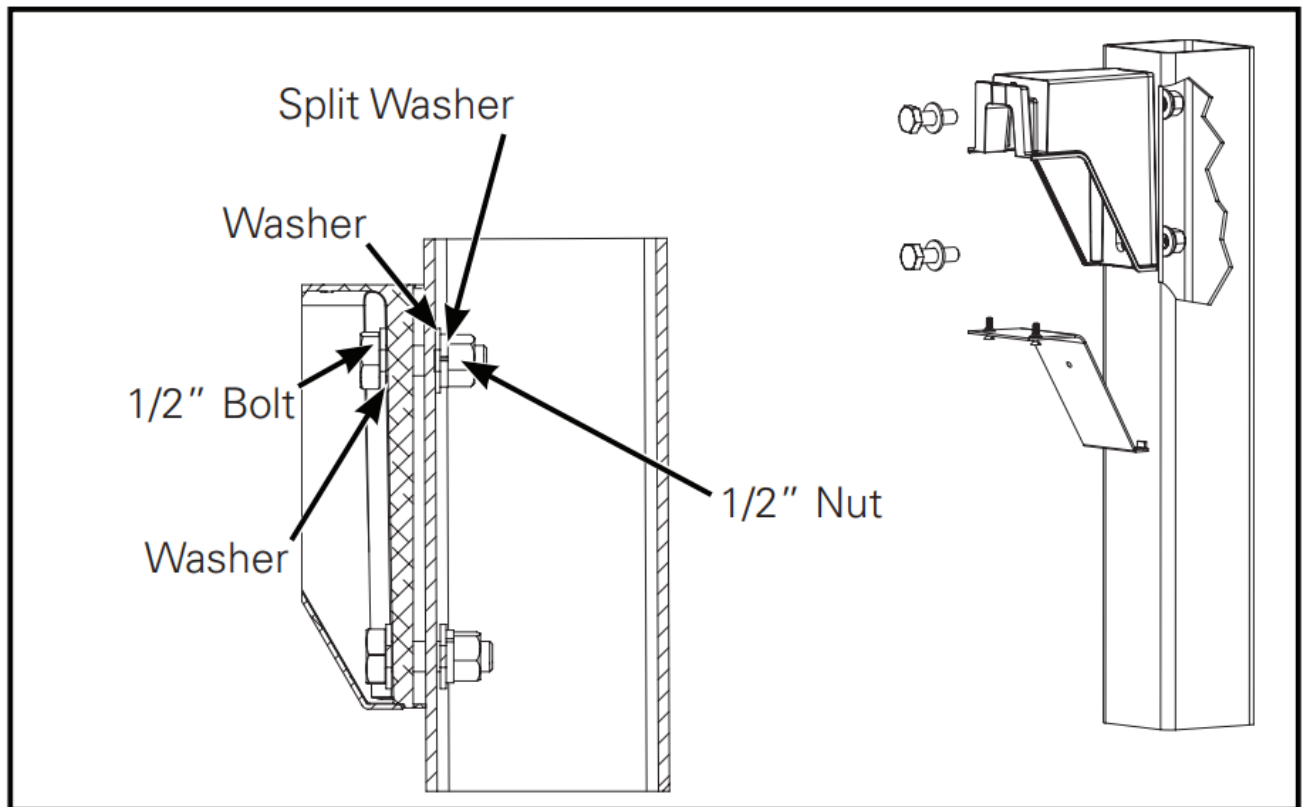


Figure 2.

3. Fold fixtures wires tightly towards fixture door when sliding fixture on to mounting arm. Tighten the center phillips head screw to 20 in-lbs. (2.3 N-M). (Figure 3.)

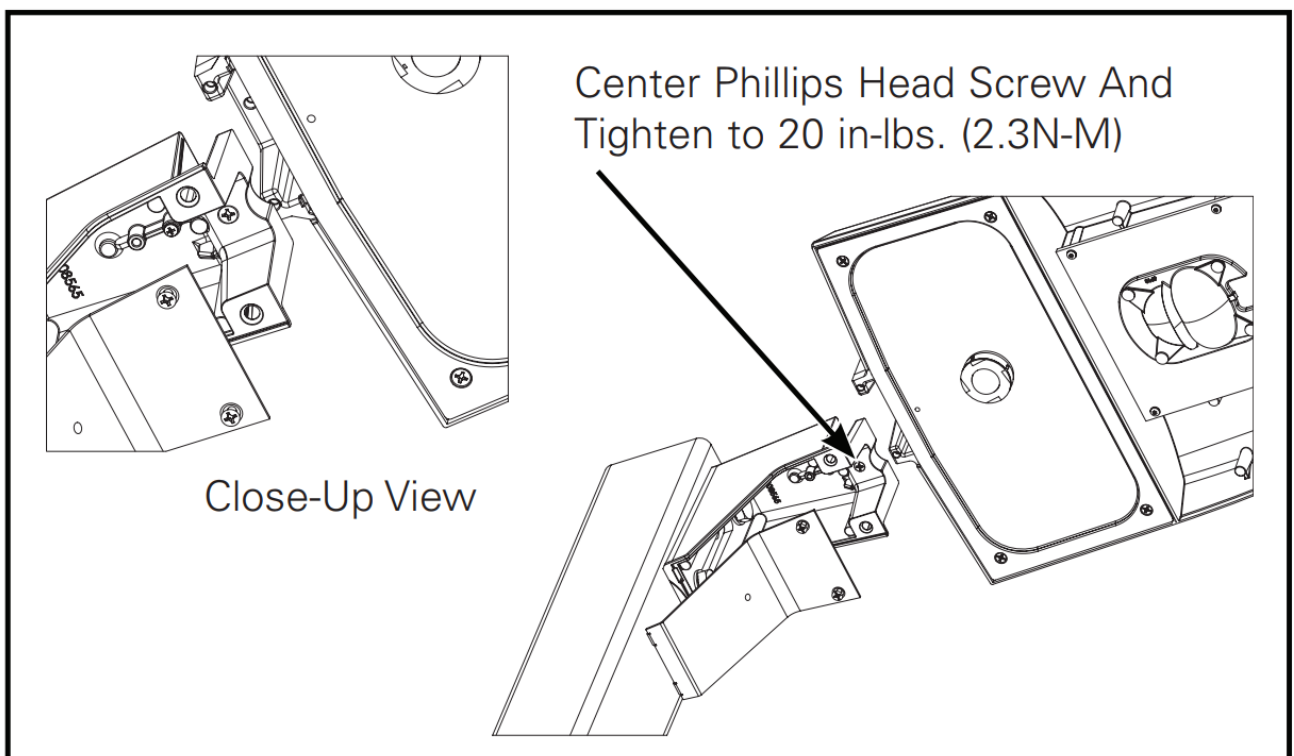


Figure 3.

4. Make wire connections inside the mounting arm. Refer to wire diagram for power connections. Connect the supply wires to appropriate luminaire leads: (Figure 4.)

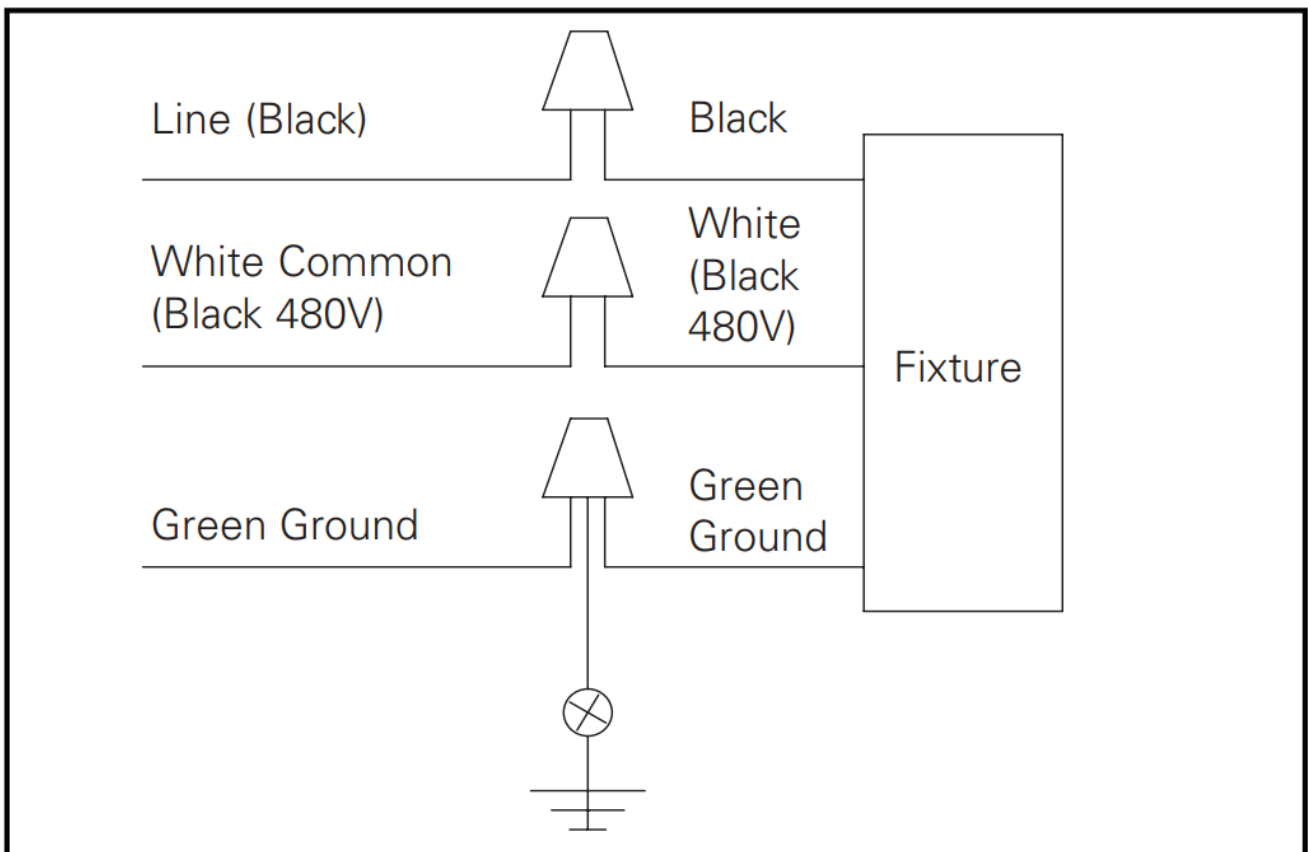


Figure 4.

- Supply side ground wire to green luminaire lead.
- Supply side neutral wire to white luminaire lead.
- Supply side line voltage wire to black luminaire lead.

5. Install arm cover and tighten phillips head screws to 20 in-lbs. (2.3 N-M).

Note: Ensure the luminaire supply leads do not get pinched between cover and mounting arm. (Figure 5.)

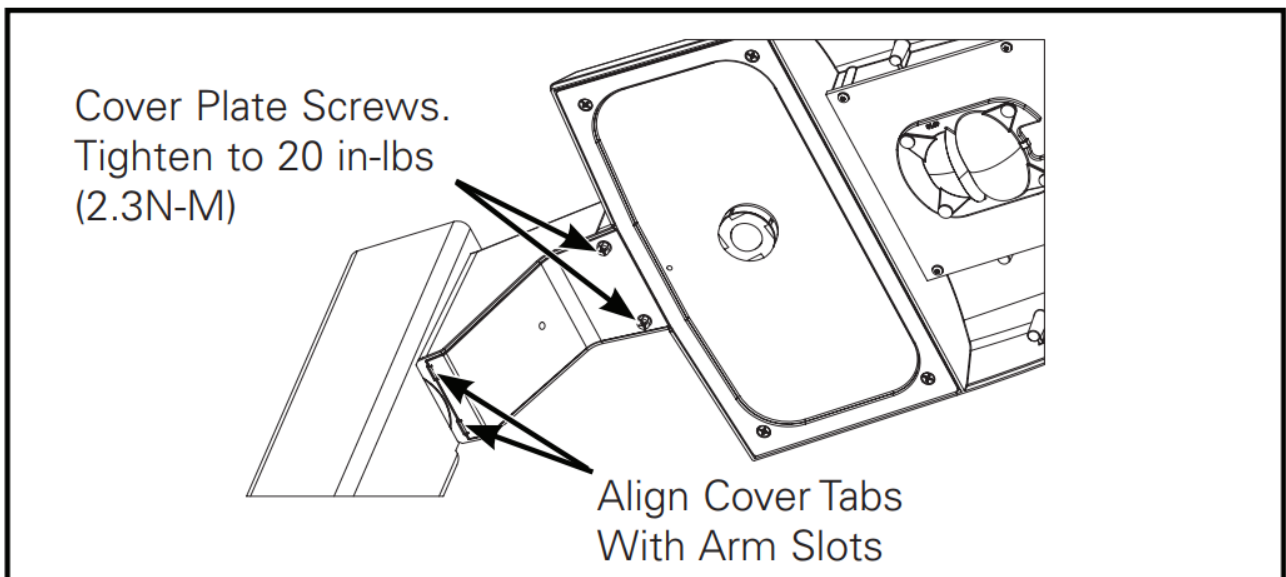


Figure 5.

6. Install pole cap after completion of luminaire installation and wiring.

Tools required

#2 Phillips head screw driver, torque wrench.

Note: Hardware and tools to mount wall plate to wall not supplied.

Wall Mount (Figure 6.)

1. Pull the supply wires out of junction box (not supplied) and through the large hole in the center of the wall plate.
2. Secure attachment plate to the wall using four bolts (not included).
3. Follow instructions step 3 through 5 from pole mount arm configuration.

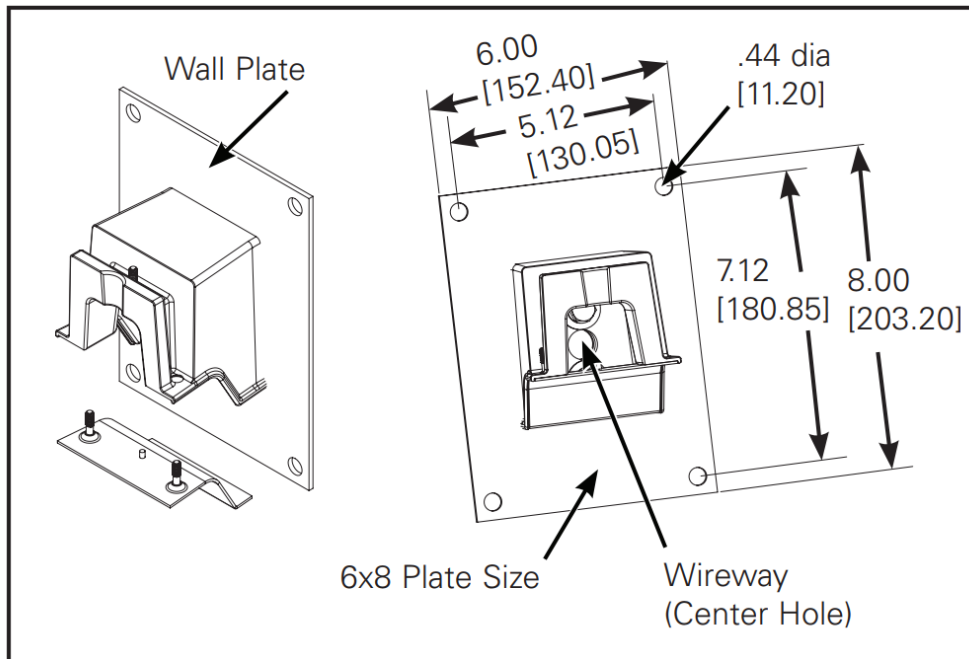


Figure 6.

Tools required

1/4" Allen wrench, #2 Phillips head screwdriver, torque wrench, drill and 7/16" drill bit.

Mast Arm Mount (Figure 7. and Figure 8.)

1. Slip the mast arm mounting assembly over the mast arm (making sure not to pinch any supply leads). Make sure the mast arm is fully seated into the mast arm adapter as it should bottom out against the adapter.
2. Secure the mast arm adapter to the mast arm with the (4) 3/8-16 x 3/8" set screws. Level the mast arm adapter while tightening the set screws. Torque to 120 in-lbs.
3. Drill a 7/16" hole through the mast arm and install the 3/8" bolt and nut. Use care when drilling this hole so as not to damage any wires within the mast arm. Torque to 120 in-lbs.
4. Open fixture door by loosening the (4) Phillips head screws (or thumb screws if supplied) on the door. (Figure 8.)
5. Remove wire grommet for fixture wires at the back of the fixture. (Figure 8.)

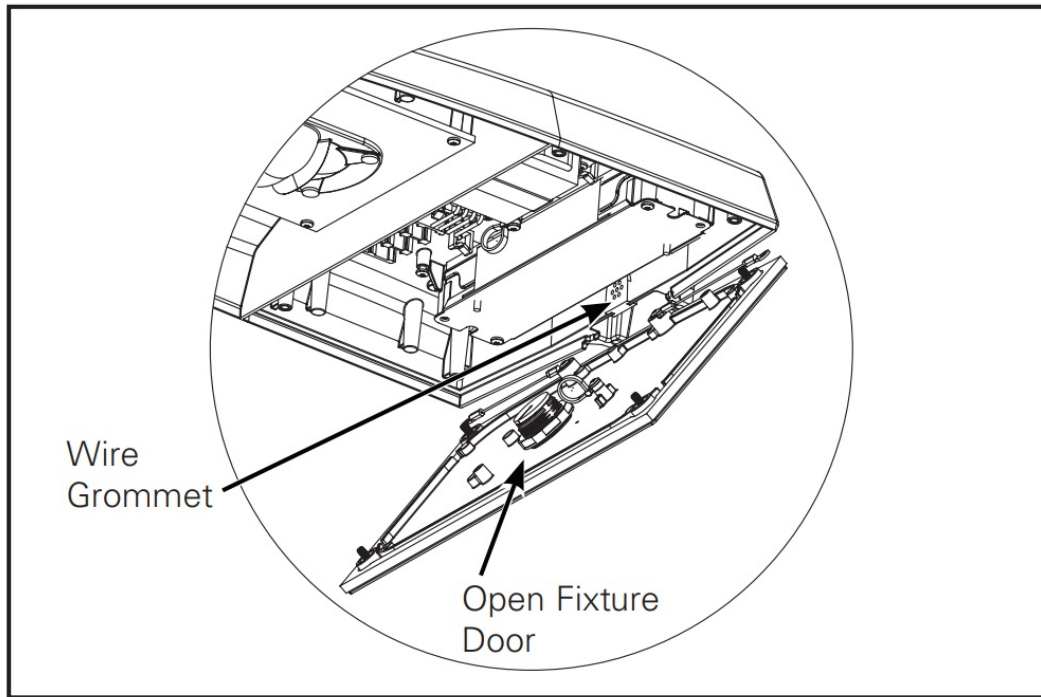


Figure 8.

6. Fold fixture wires and mast arm adapter wires out of the way and slide fixture on to the mast arm adapter. Tighten the three phillips head screws to 20 in-lbs. (2.3 N-M), and install the plastic plug over the center screw. (Figure 7.)

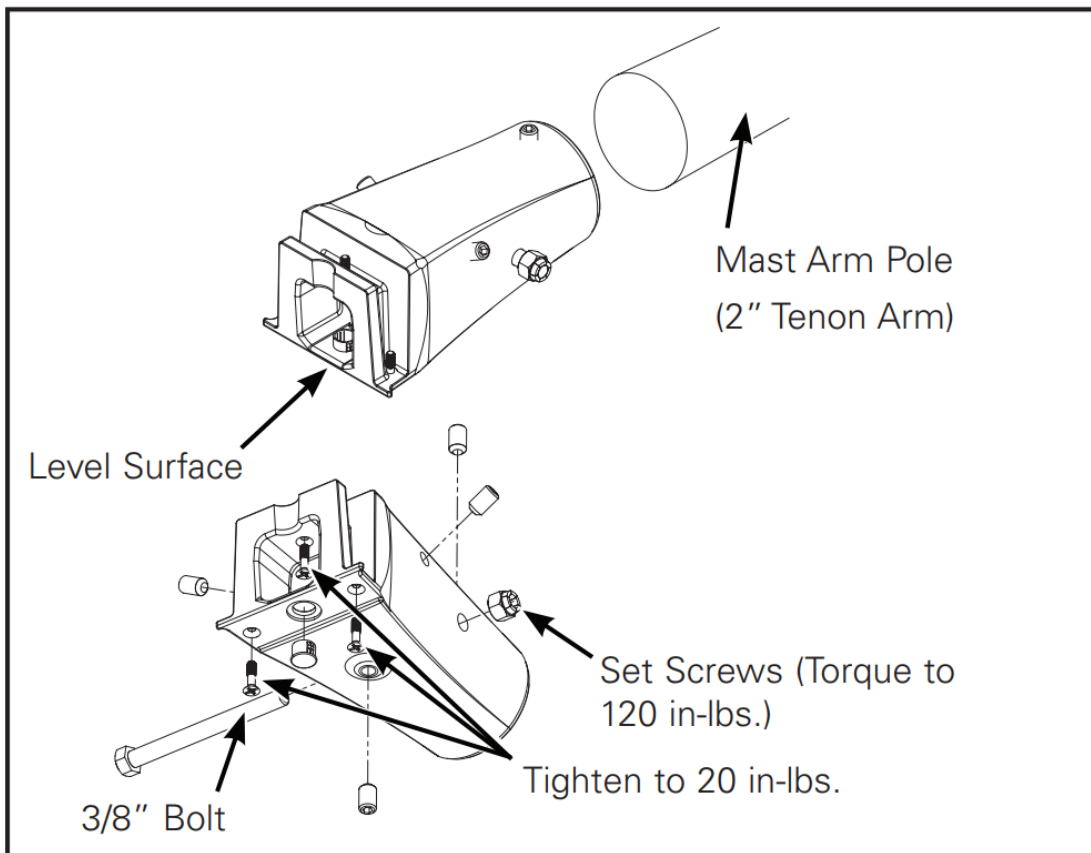


Figure 7.

7. Make wire connections inside the fixture. Refer to wire diagram for power connections. Connect the supply wires to appropriate luminaire leads: (Figure 4.)
- Supply side ground wire to green luminaire lead.

- Supply side neutral wire to white luminaire lead.
 - Supply side line voltage wire to black luminaire lead.
8. Tuck wires into the fixture and install fixture door.
- Tighten the (4) fixture door screws to 20 in-lbs. (or tighten door thumb screws).

Tools required

#2 Phillips head screwdriver and pliers.

House Side Shield (Figure 9. and Figure 10.)

1. Remove plastic push pins on back side of optic. (Figure 9.)

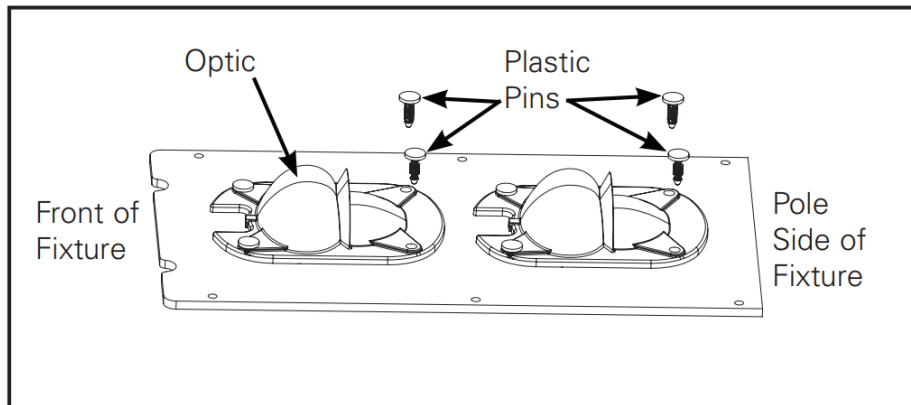


Figure 9.

Note: The optics are permanently secured to the fixture. DO NOT try to remove the optics. The optics are not rotatable.

2. Install house side shield with provided #10 x 1/2" Phillips screws. Tighten until house side shield is snug. Do not over tighten.

Note: House side shield must ONLY be installed on the back side of the optics as shown in. DO NOT install on the other side of the optic. (Figure 10.)

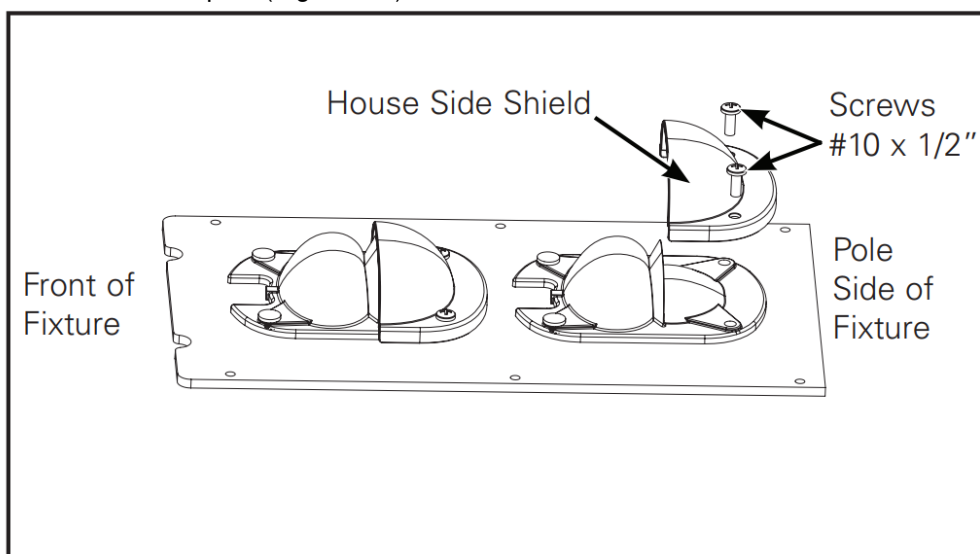


Figure 10.

Photocontrol Orientation (If Equipped) (Figure 11.)

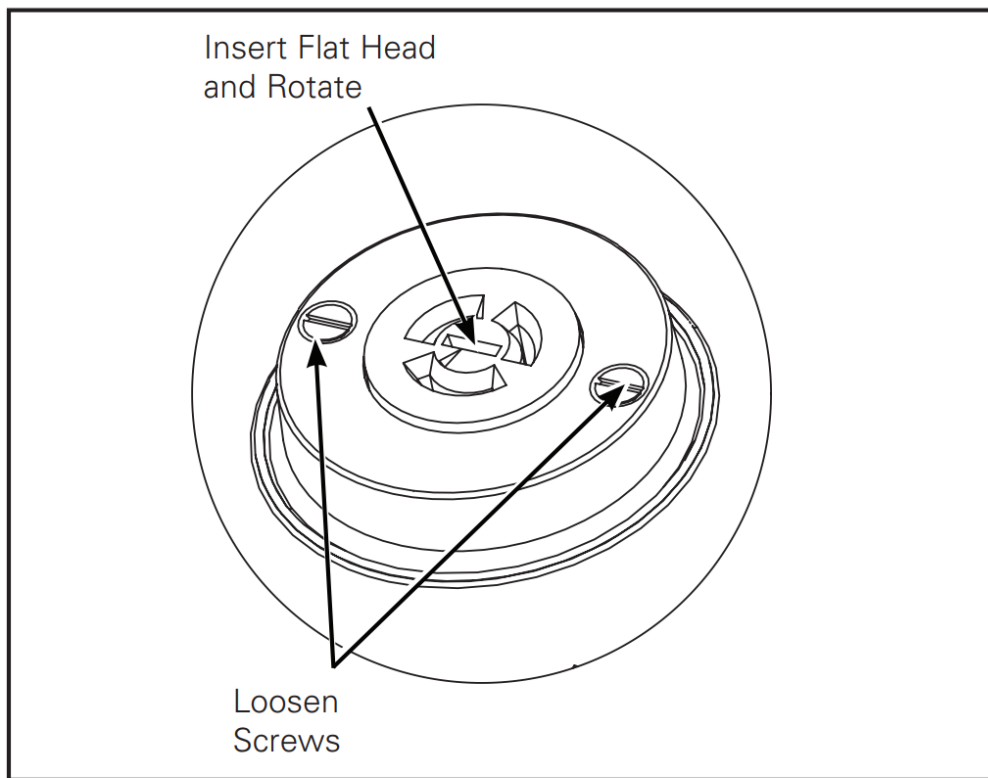


Figure 11.

Note: The orientation procedure is only required for photocontrols which specifically require the cell to be aimed north. Otherwise pre-selected factory orientation will function properly. Follow the directions recommended by the photocontrol supplier for proximity to light sources. Lighted signs, building surface reflection, floodlights, tree branches, etc. may affect final position of the photocontrol.

1. Loosen the two screws to allow rotation of the receptacle.
2. Insert screwdriver into center slot and rotate receptacle until indicator arrow points north.
3. Retighten screws.
4. Insert the photoelectric control (or shorting cap) into receptacle and twist into locked position.

Note: The photocontrol (not included) must contain a soft, resilient gasket fastened to the bottom surface to assure a proper weather seal between the control and the receptacle.

Note: Always use a photocontrol rated for 120V to 277V. Fixtures ordered with 347V or 480V power connection will use a 120V to 277V photocontrol. Fixture is wired with photocontrols after transformer (347V and 480V only).

Warranties and Limitation of Liability

Please refer to www.cooperlighting.com for our terms and conditions.

Product availability, specifications, and compliances are subject to change without notice.

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CUSTOMERS SUPPORT

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Cooper Lighting Solutions

1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800

www.cooperlighting.com



Documents / Resources

	<p>COOPER PRV Prevail LED Pole and Fixture Combo Light [pdf] Installation Guide Prevail-USSL, IB500002EN, PRV Prevail LED Pole and Fixture Combo Light, PRV, Prevail LED Pole and Fixture Combo Light, LED Pole and Fixture Combo Light, Pole and Fixture Combo Light, Fixture Combo Light, Combo Light, Light</p>
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References

- [The domain name notice.la is for sale](#)
- [User Manual](#)

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