




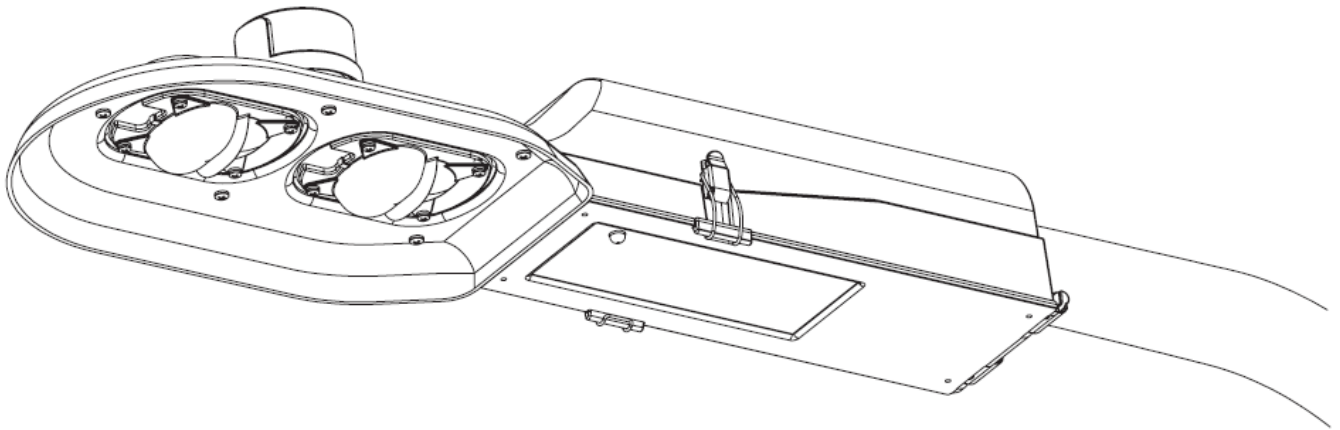
Lumark ADH141511 VRDN LED Light Instructions

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Lumark ADH141511 VRDN LED Light



INSTRUCTION MANUAL

Installation Instructions – Verdeon/VRDN

Specifications

- Model: Verdeon/VRDN
- Installation Instructions: ADH141511
- Tools Required: 9/16 socket or wrench, screwdriver #2 Phillips and Flat, electrical wiring tools as needed

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.

WARNING

Make certain power is OFF before starting installation or attempting any maintenance. Risk of fire/electric shock. If not qualified, consult an electrician.

- RISK OF ELECTRIC SHOCK—Disconnect power at fuse or circuit breaker before installing or servicing.
- RISK OF BURN—Disconnect power and allow fixture to cool before servicing.
- RISK OF PERSONAL INJURY—Fixture may become damaged and/or unstable if not installed properly.

Tighten all fixture components to their recommended torque values. Do not lift pole into place by securing lifting device to lighting fixture or mounting arm.

IMPORTANT

Read before installing fixture. Retain for future reference.

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: Specifications and dimensions subject to change without notice.

WARRANTY/LIABILITY

Consult www.cooperlighting.com/warrantyterms for "current Limited Warranty and Limitations of Liability information.

Installation Instructions

Tools Required

9/16" socket or wrench, screwdriver #2 Phillips and Flat, electrical wiring tools as needed.

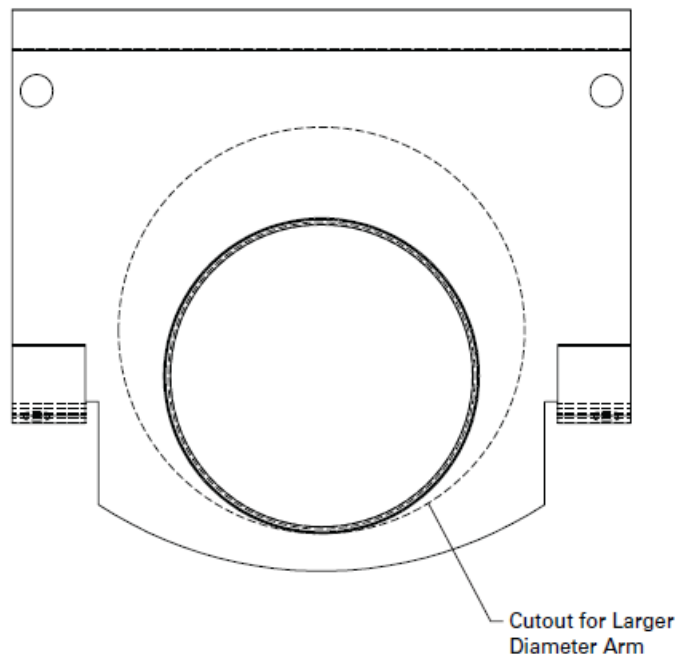
Installation

1. Verify the mounting arm diameter. A splash guard is provided pre-cut to accommodate 1-5/8" diameter mounting arms. When using larger diameter mounting arms, remove the punch out section of the splash guard. FIG. 1
2. With housing lying on a smooth, soft surface open the access door by releasing the side latches or four Phillips screws.
3. The door may be removed by opening approximately 120° and lifting off the hinge by disconnecting two wire harness quick disconnects.

Note: If optional lanyard is supplied, the door should not be removed. FIG. 2

4. Using a 9/16" socket, loosen the two pipe clamp mounting bolts enough to allow mounting arm (not included) to slide onto leveling steps. FIG. 2
5. Lift the housing into place and position end of mounting arm onto leveling steps so that housing is level. Care must be taken so arm does not inadvertently strike internal components. FIG. 2 & FIG. 3
6. Using a 9/16" socket tighten the two (4) bolts clamp mounting bolt to 16-18 ft-lbs.

FIG. 1



Installation Instruction – Verdeon/VRDN ADH141511 www.cooperlighting.com

FIG. 2

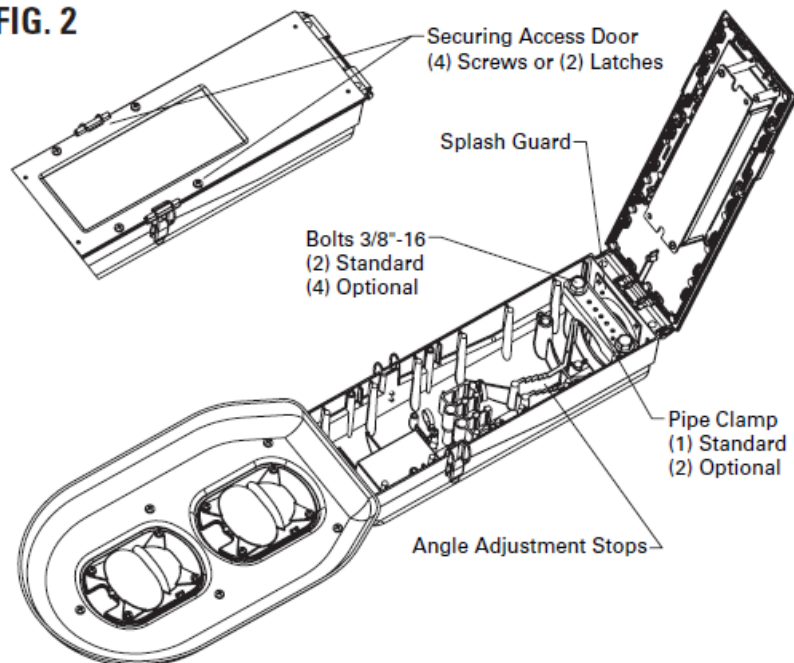
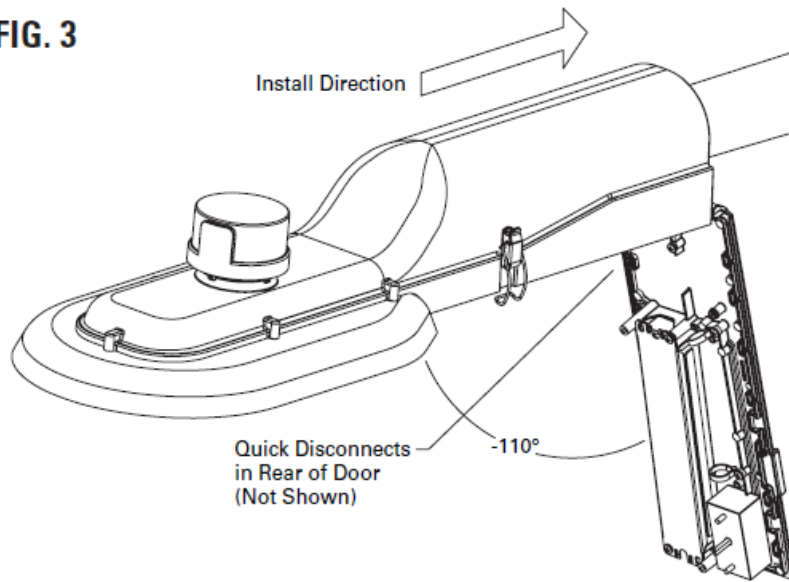


FIG. 3



Wiring (FIG. 4)

1. Pull service wires through mounting arm and into housing approximately 10".

a. Three-terminal block (2-wire service): Connect line service lead to terminal that is connected to black factory-installed wire. Connect neutral service wire to terminal that is connected to white factory-installed wire.

b. Three-terminal block (3-wire service, 2 lines, 1 ground): Connect 1 line service lead to terminal that is connected to black factory-installed wire. Connect other line service lead to terminal that is connected to white factory-installed wire. Connect ground service lead to terminal that is connected to green factory-installed wire.

c. Three-terminal block (3-wire service, 1 line, 1 neutral, 1 ground): Connect line service lead to terminal that is connected to black factory-installed wire. Connect neutral service wire to terminal that is connected to white factory-installed wire. Connect ground service wire to terminal that is connected to green factory-installed wire.

d. No terminal block (3-wire service, 2 lines, 1 ground): Connect 1 line service lead to black factory-installed wire. Connect other line service lead to white factory-installed wire. Connect ground service lead to green factory-installed wire.

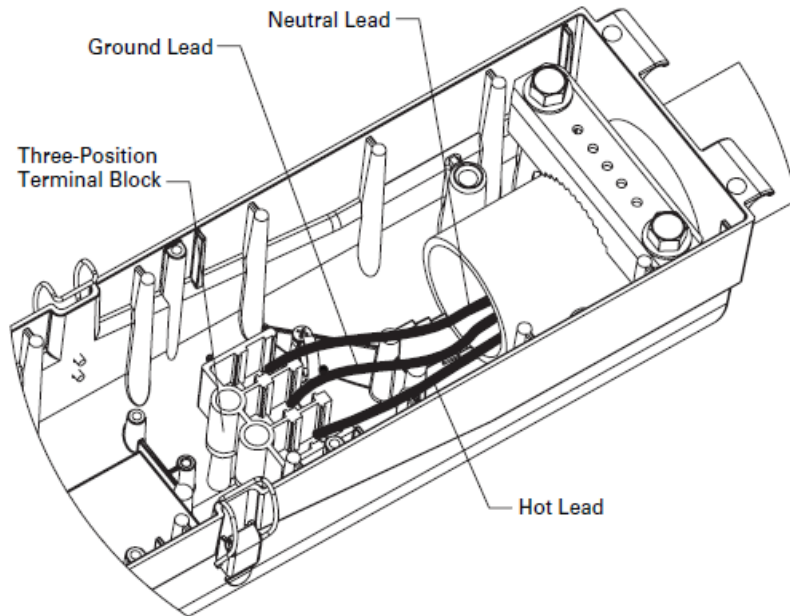
e. No terminal block (3-wire service, 1 line, 1 neutral, 1 ground): Connect line service lead to black factory-installed wire. Connect neutral service wire to white factory-installed wire. Connect ground service wire green factory-installed wire.

Note: Terminals are numbered at the wire entrance of the terminal block. See wiring diagram for additional wiring details.

2. Ensure all wiring is secure and reconnect the quick disconnects.

3. Return door to hinge if removed and swing the housing door into closed position and secure latch or retighten screws to 14~16 in-lbs.

FIG. 4



Arm Installation (Optional)

Mast Arm: Square Pole (FIG. 5a) and Round Pole (Fig. 5b.)

1. Insert nut plate into pole and align insert holes with the mounting holes in the pole.
2. Insert threaded rods through the top and bottom holes. Screw into nut plate.
3. For round poles only – Install round plate adapter with round side facing pole (FIG. 5b). Align holes top and bottom.
4. Insert the mast arm onto the threaded rods thru the top and bottom holes.
5. Install washers, nuts and Torque nuts using 1/2" open wrench to 35-40 ft-lbs.
6. Install cosmetic cover if applicable over arm and tighten screws.
7. Pull wires through center holes on nut plate and pole.
8. Make electrical connection as established in the wiring instructions. Refer to the standard installation instructions.

FIG. 5a

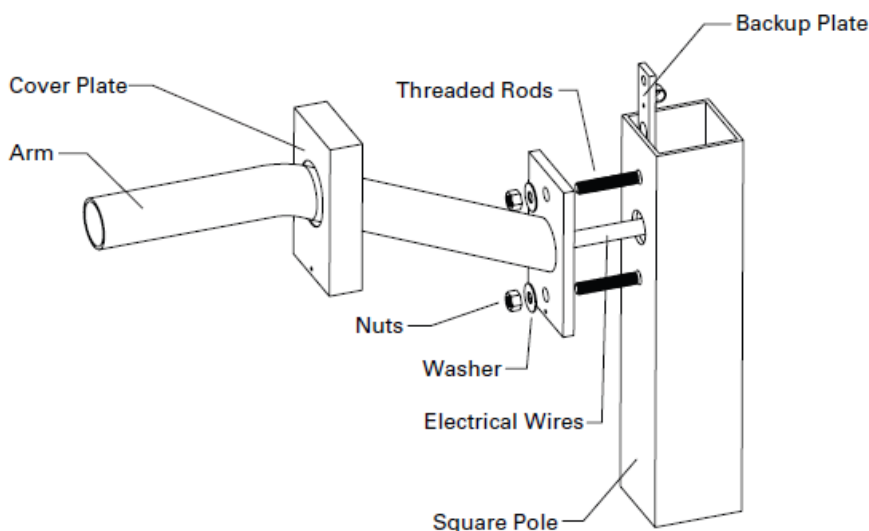
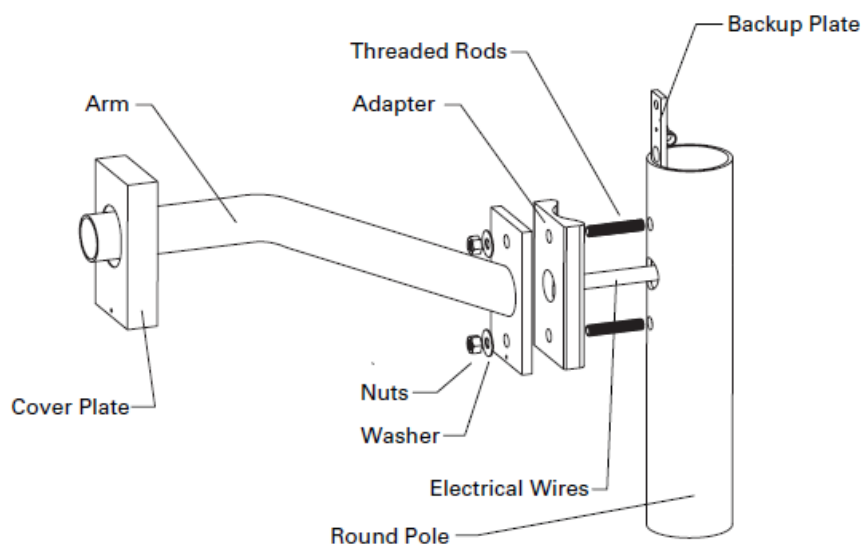


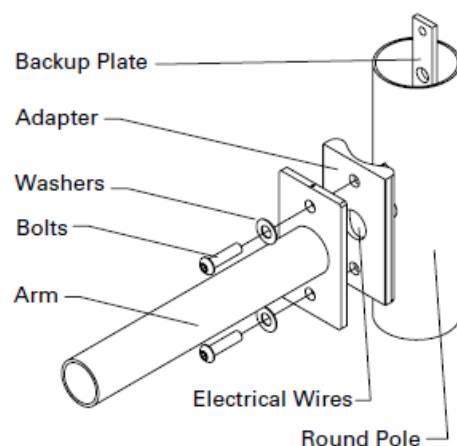
FIG. 5b



Straight Arm (FIG. 6)

1. Insert nut plate into pole and align insert holes with the mounting holes in the pole.
2. For round poles only – Install round plate adapter with round side facing pole (FIG. 5b). Align holes top and bottom.
3. Insert bolts through the washer, arm, adapter (if applicable) and pole top and bottom holes. Screw into nut plate.
4. Torque bolts using 3/8" allen socket/wrench to 35-40 ft-lbs.
5. Pull wires through center holes on nut plate, pole, adapters and arm.
6. Make electrical connection as established in the wiring instructions. Refer to the standard installation instructions.

FIG. 6

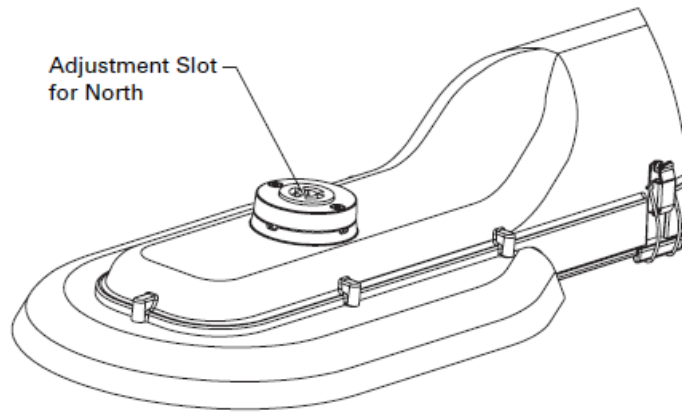


Photocontrol (If Equipped)

1. Using a flat blade screw driver, loosen the two flathead screws to allow rotation of the receptacle FIG. 7.
2. Insert screwdriver into center slot and rotate receptacle until indicator arrow points in desired direction.
3. Retighten screws.
4. Insert the photoelectric control (or shorting cap) into receptacle and twist into locked position.

Note: The photocontrol must contain a soft, resilient gasket fastened to the bottom surface to assure a proper weather seal between the control and the receptacle.

FIG. 7



Maintenance

Note: A regular maintenance schedule should be followed to retain optimal light output and thermal performance.

Optical lens cleaning should be performed with a clean dry cloth to remove any dust or other contaminants. Additional cleaning can be performed with using a non-abrasive to polycarbonate cleaner. Remove any dirt, leaves or other foreign debris from the housing.

Frequently Asked Questions (FAQ)

Q: Where can I find the current Limited Warranty and Limitations of Liability information?

A: You can consult www.cooperlighting.com/warrantyterms for the most up-to-date warranty details and liability information.

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Documents / Resources

 	<p>Lumark ADH141511 VRDN LED Light [pdf] Instructions ADH141511 VRDN LED Light, ADH141511, VRDN LED Light, LED Light, Light</p>
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References

-  [Commercial Lighting Company | Cooper Lighting Solutions](#)
-  [Legal | Cooper Lighting Solutions](#)
- [User Manual](#)

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