Box light Repair and Installation Instructions

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I. CAUTION / WARNINGS

In as much as the weather is unpredictable, good judgment and common sense must be incorporated within installation guidelines. It is the responsibility of the installer/maintainer to determine the severity of the weather, proper time and method of light fixture disassembly and repair installation...

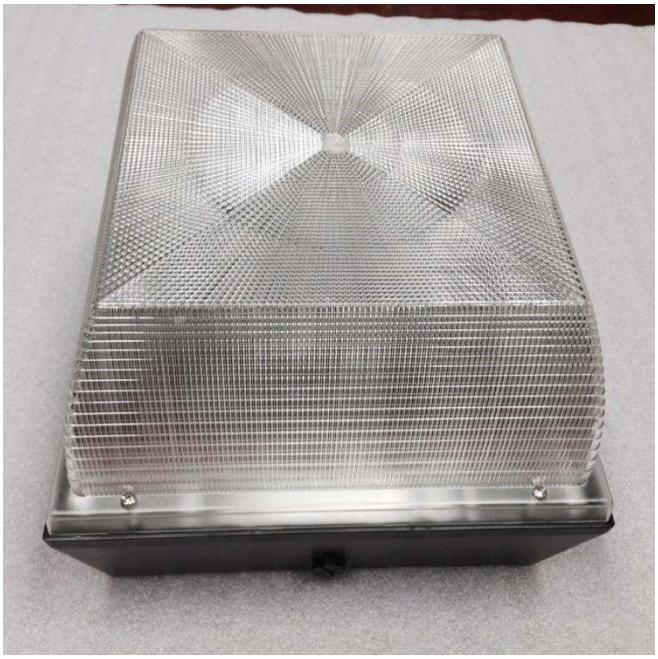
Proper safety equipment should be used at all times to insure a safe installation and take down. We suggest a careful evaluation be made to determine safety equipment needed, such as hard hats, steel-toe shoes, safety glasses and other as required. It is our desire that all installations are safe. Please be aware of hidden dangers both underground, i.e., gas lines, water lines, electrical lines, etc. and above the tent such as power lines and telephone lines.

AutoVac stands behind its products in accordance with its standard Terms and Conditions of sale. A copy of our Terms and Conditions of Sale can be obtained by contacting AutoVac at the telephone number and/or address on this document.

WARNING: For safe installation follow the guidelines per the National Electrical Code (NEC), or NFPA 70, which is a United States standard for the safe installation of electrical wiring and equipment. It is part of the National Fire Codes series published by the National Fire Protection Association (NFPA). While the NEC is not itself a U.S. law, NEC use is commonly mandated by state or local law, as well as in many jurisdictions outside of the United States. The NEC codifies the requirements for safe electrical installations into a single, standardized source. The "authority having jurisdiction" inspects for compliance with these minimum standards. - See more at: http://esfi.org/index.cfm/page/National-Electrical-Code-(NEC)/pid/10860#sthash.HjL8TlZC.dpuf

II. REQUIRED PARTS FOR REPAIR

BOX LIGHT FIXTURE



CORD GRIP

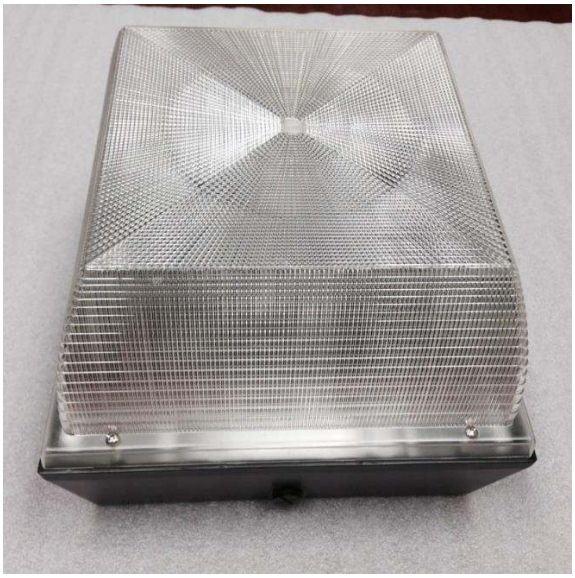
Cord and wire nuts are to be supplied by the installation contractor and are not included in this kit.

III. TOOLS REQUIRED

1. Std. Philips tip screw driver.
2. Large flat tip screw driver.
3. 25mm open end wrench or medium crescent wrench.
4. Wire cutter.
5. Wire stripper.
6. Scissor
7. Hole punch
8. Drill and 5/16 -11/32 drill bits

IV. DISASSEMBLY OF EXISTING LIGHT FIXTURE

Turn power off at breaker and secure box for restricted access.

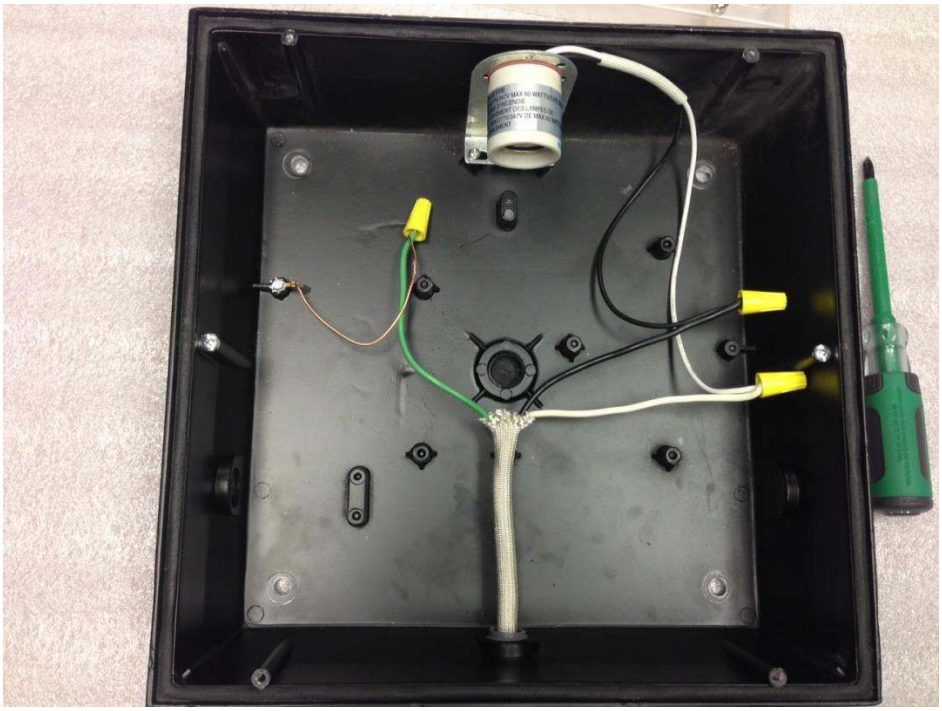


Remove translucent lens cover. (Remove 4 screws).

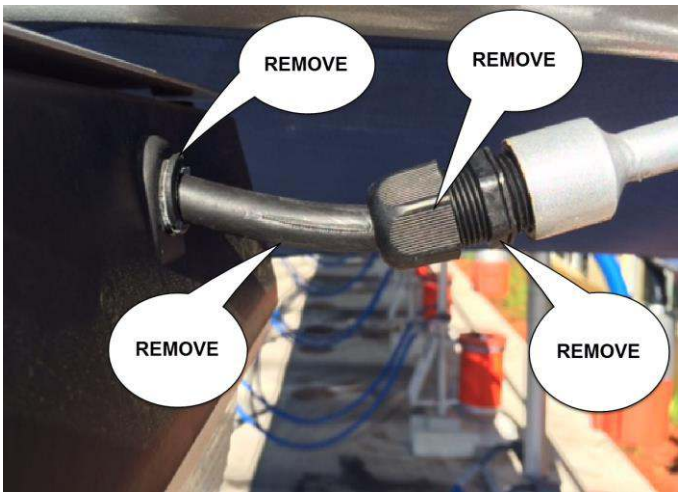
Screws are retained on lens cover with rubber washers.

Remove reflective cover (2 screws)

Disconnect wires from inside of lighting fixture and pull wires from junction box on vertical stanchion.



Remove any existing conduit and couplers.

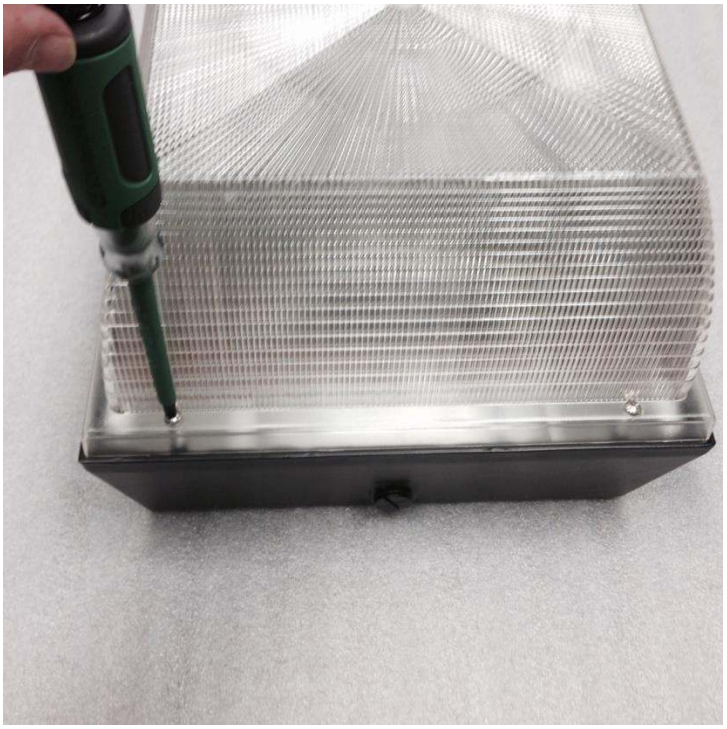


Carefully loosen and remove 1/4-20 bolts from each corner of the inside of light fixture housing. (4 bolts)

Disassembly complete.

V. ASSEMBLY AND INSTALLATION OF NEW LIGHT FIXTURE

Remove Lens (4 screws)



Remove reflective cover (2 screws)

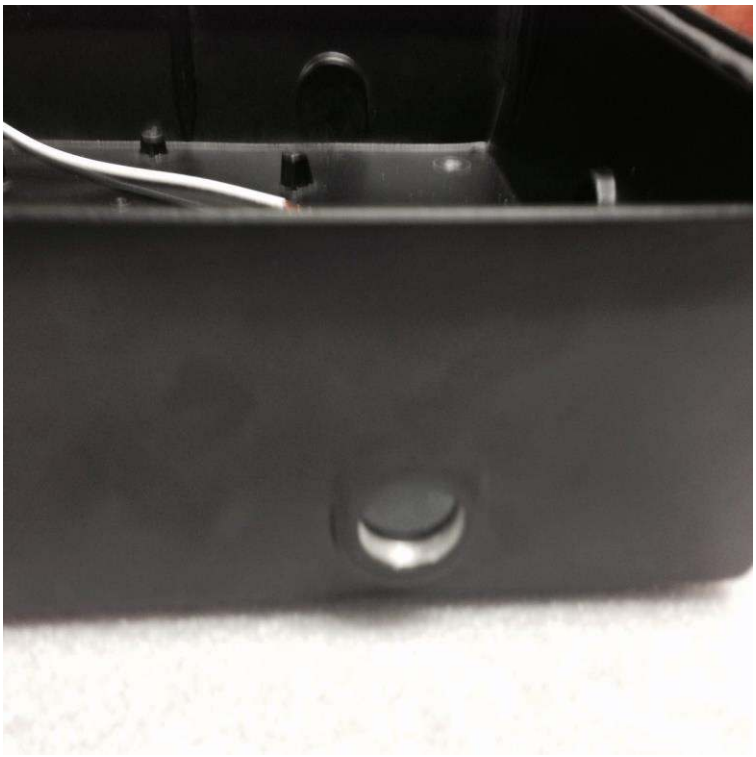
Drill (4) holes through housing 5/16 dia. at external divot locations as shown. Verify hole pattern matches light mounting plate and open up hole size as needed to allow passage of ¼-20 bolts. Max size 11/32 dia if required. A hole punch may be needed to locate tip of drill inside pilot hole.

Alternate method to locate and drill mounting holes is to use internal divots, if available.

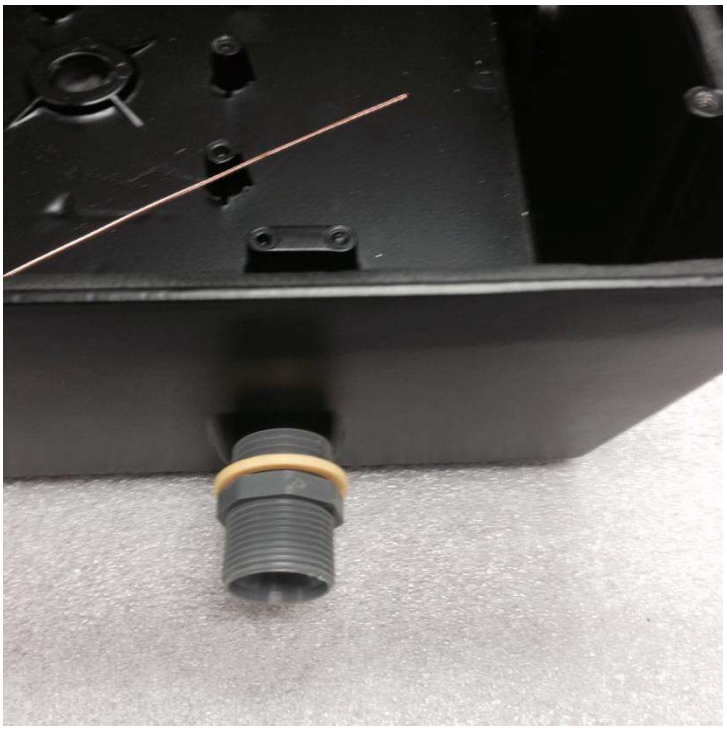
Prepare cord grip by disassembling threaded fitting, compression nut, grip claw with seal and lock nut.

Metallic lock nut shown on right is not needed and can be discarded.

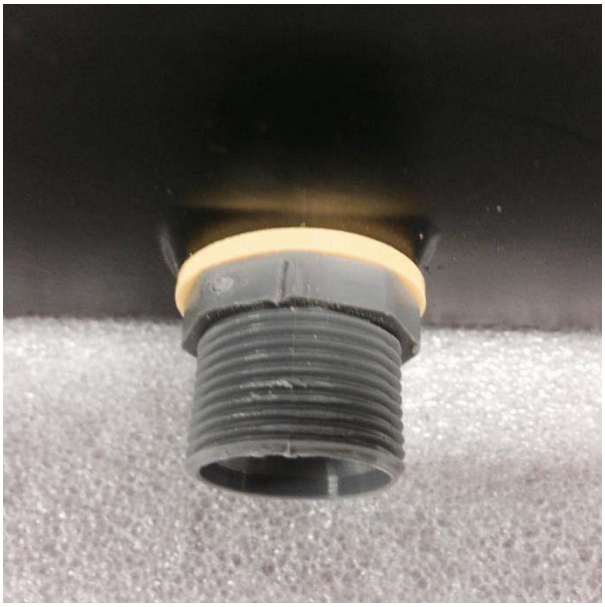
Remove coupling plug from black light fixture housing.



Screw in threaded fitting into light fixture housing.

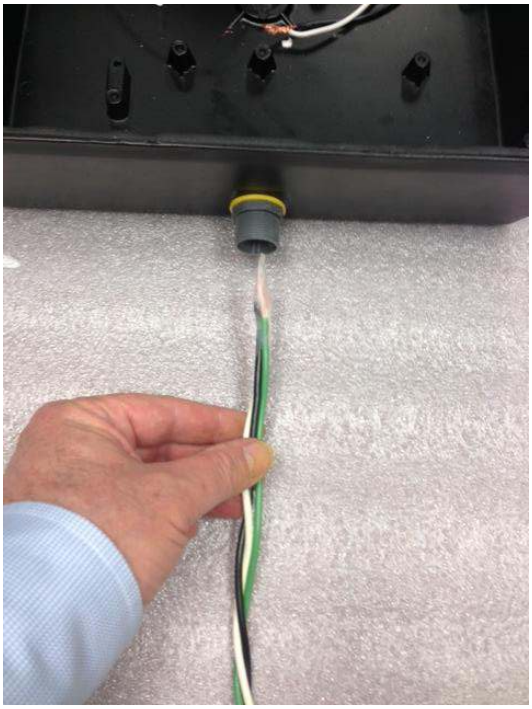


Insure fitting is tightened snug and properly compresses yellow washer.

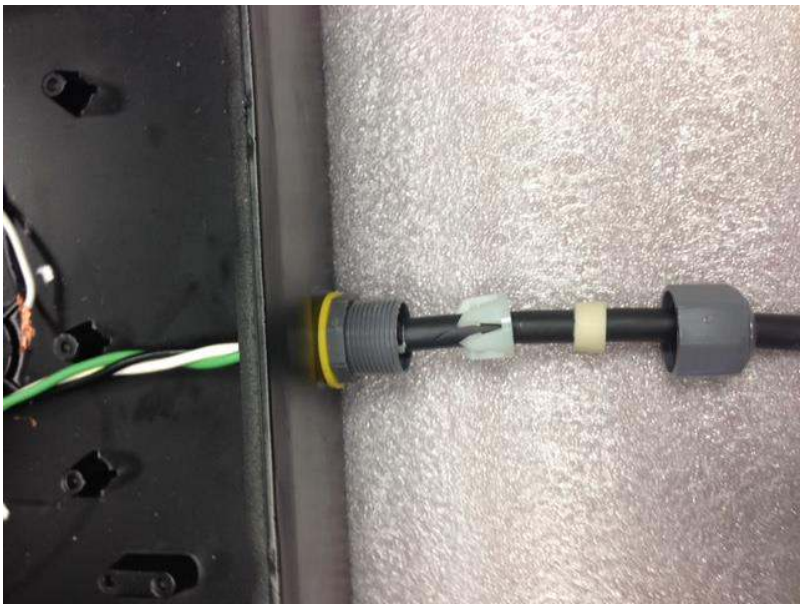


Trim cord sheath 11 to 12 inches back from end of cord.

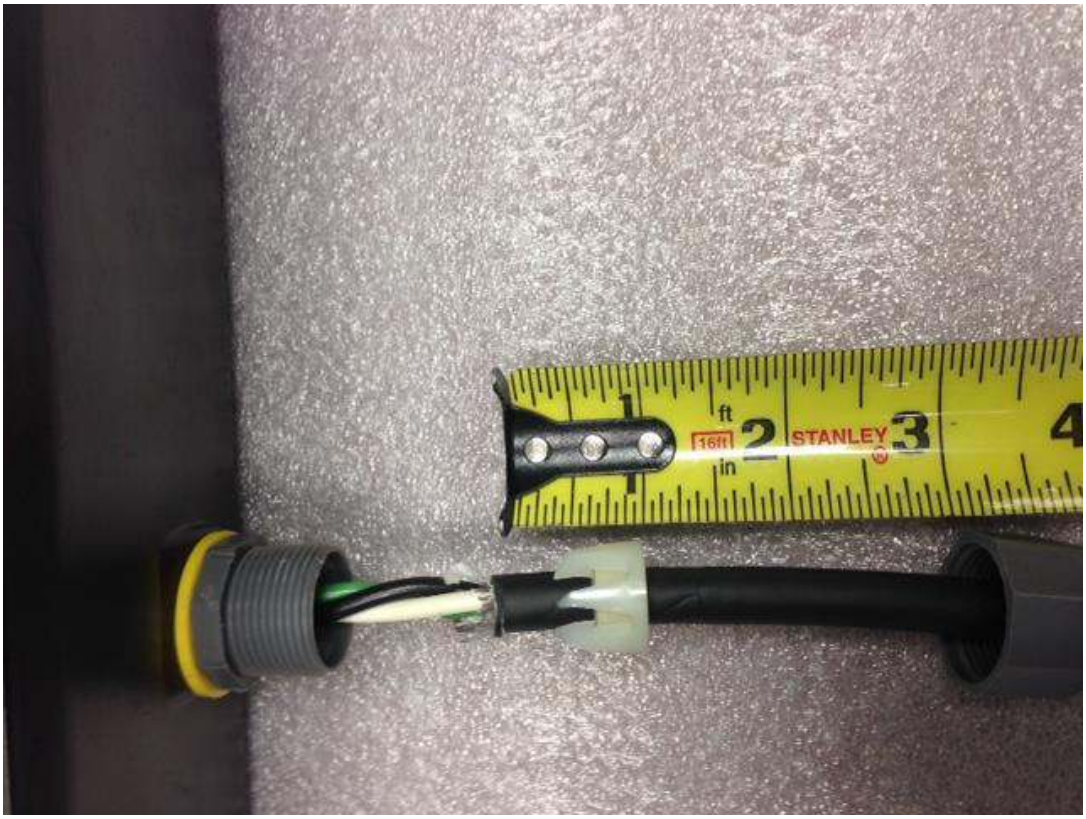
Feed wire into light fixture housing.



Slide grip claw, seal and cap nut onto cord.

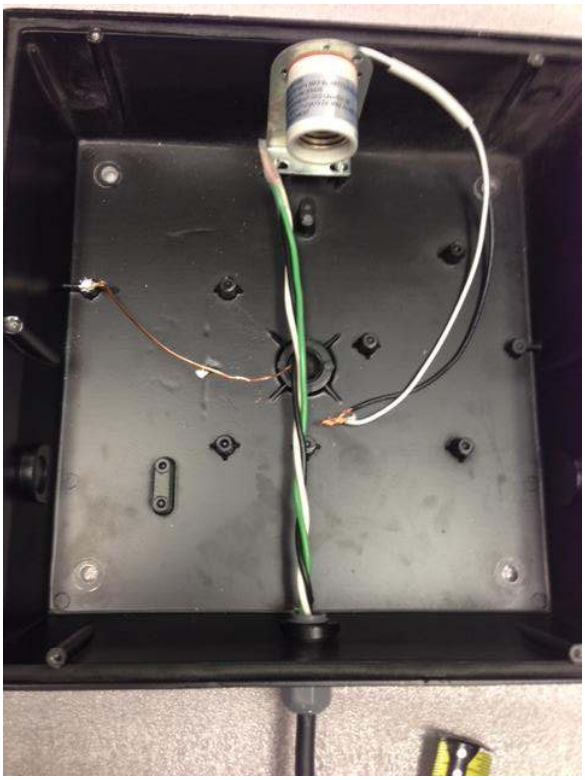


Position grip claw one inch from end of cord sheath.

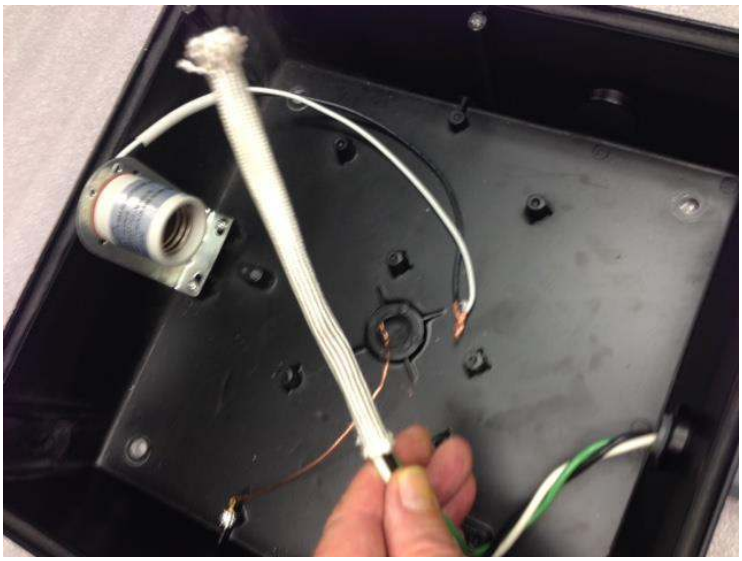


Slide cap nut up to threaded fitting and tighten snug, hand tight with full hand pressure. Add one half to one turn to cap nut with open end wrench or crescent wrench for final snug fit.

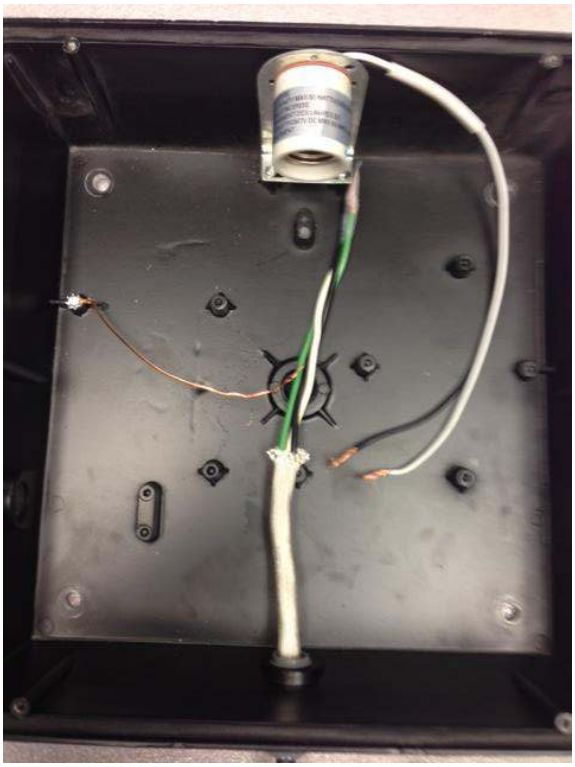
Ready for protective sleeve.



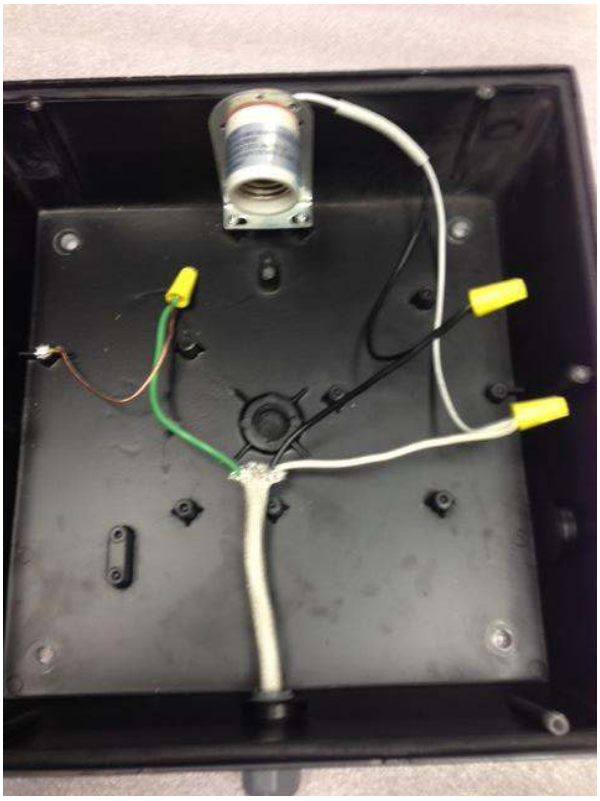
Cut protective sleeve 6-7 inches long and slide over end of wires.



Slide protective cord sleeve up against inside of coupler.

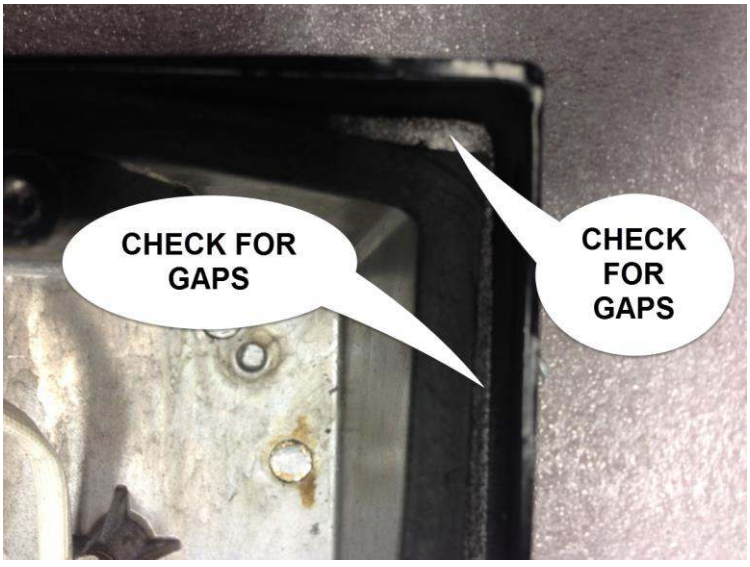


Connect wires with wire nuts.



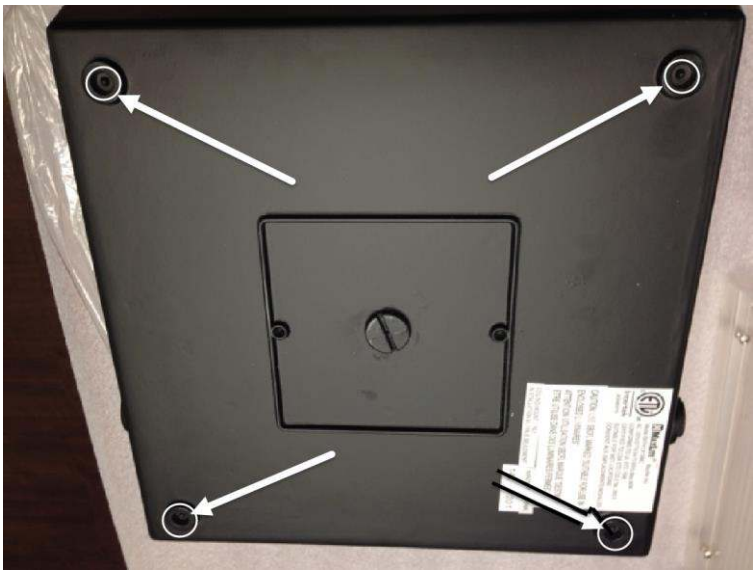
Check lens gasket for gaps prior to mounting fixture to arch.

If gasket is in place and not deformed, silicon will not be needed for gasket and lens seal.

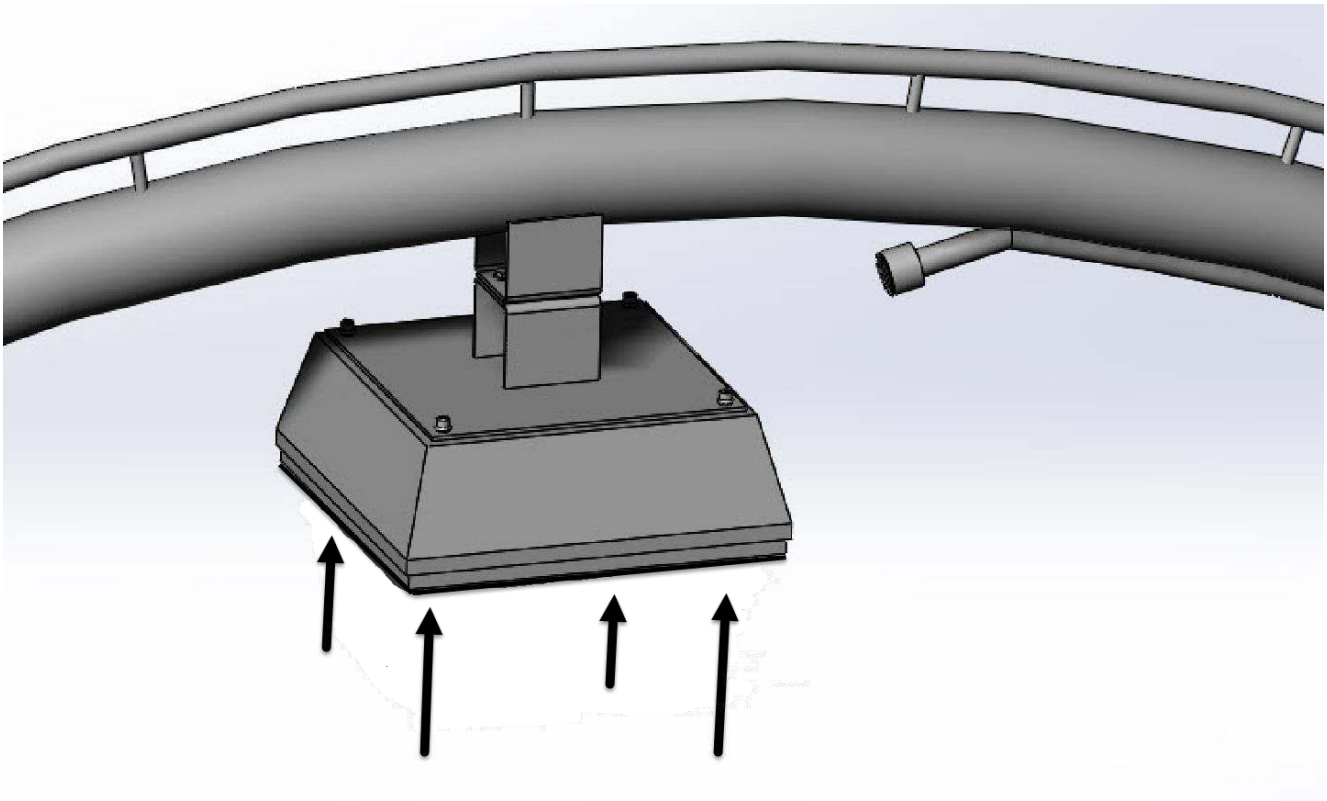


If gasket has any gaps, add silicon sparingly between gasket and black housing. Use tape to hold gasket in place while silicon is drying. Proper gasket seal is critical for the life of the fixture and water resistance between lens and housing. Remove tape after silicon is dry prior to mounting lens.

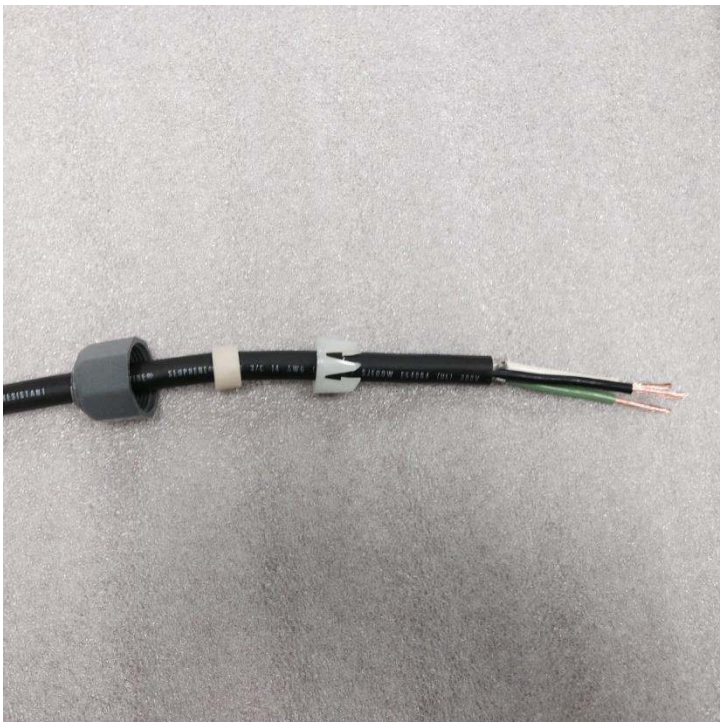
Place a small ring of silicon around each of the four fixture mount holes, on the mating surface of the housing boss.



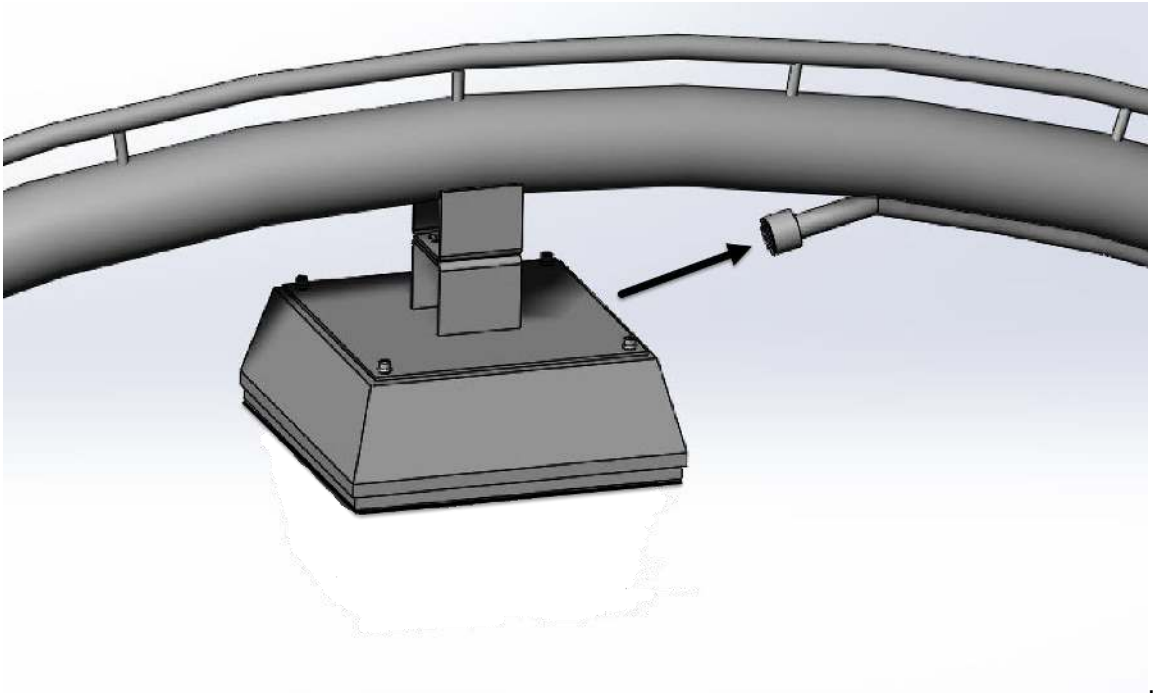
Mount black fixture housing onto arch at the light fixture mounting bracket. (4 screws ¼-20 x ¾ LG)



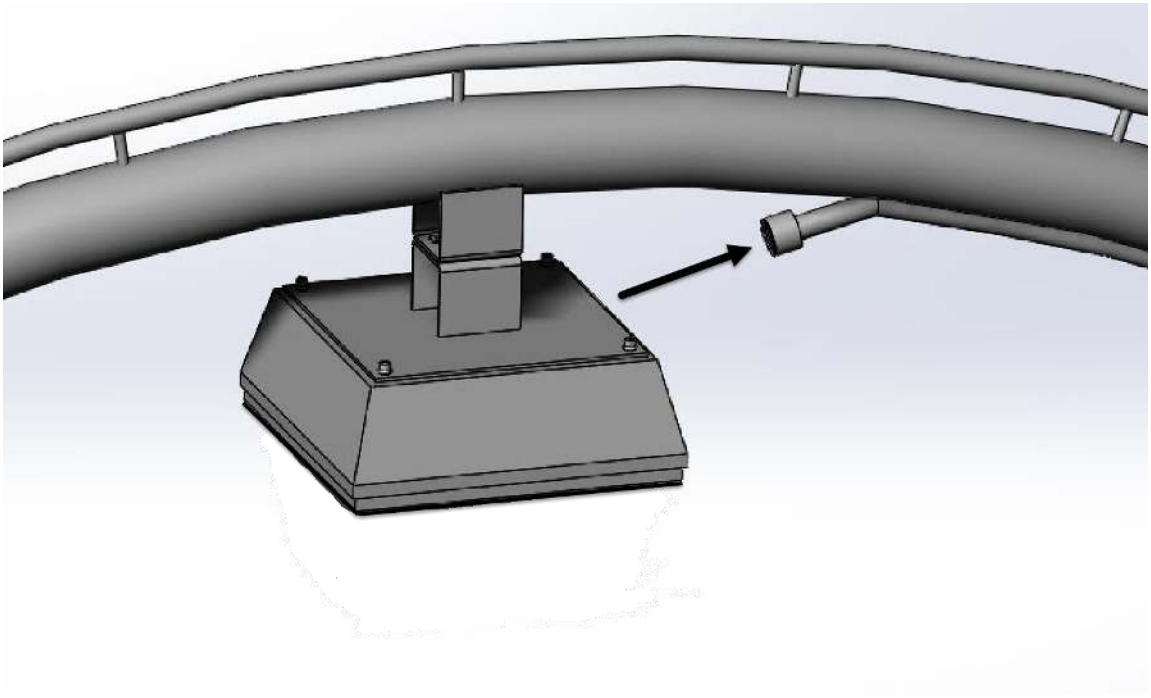
Slide the second coupler compression nut, seal and grip claw on the opposite end of the cord.



Thread cord grip fitting into arch conduit.



Feed cord through threaded fitting and conduit in the arch to junction box on opposite side of vertical stanchions.



Tighten coupler into arch conduit and insure yellow washer is properly compressed.

Install reflector. (2 screws)

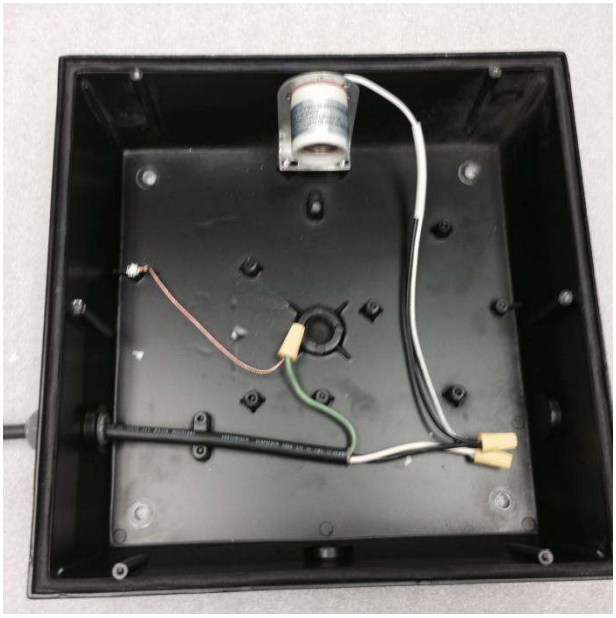
Reflector may deform slightly.

Install lens (4 screws)

Insure lens cover is properly seated and all four screws are snug to maintain water resistant seal.

Note: To avoid deforming reflector use alternate coupler location on side of housing as shown.

Use of side location should be approved by end user / customer.



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