Lum ESCO

Installation Guide

LumXGEN



SAVE THESE INSTRUCTIONS

BEFORE YOU BEGIN

Read and follow all safety instructions

WARNING

RISK OF FIRE, EXPLOSION AND ELECTRIC SHOCK

- This product should be installed, inspected, and maintained by a qualified electrician only, in accordance with the NEC (National Electric Code) and all local codes.
- Turn off electrical power before inspection, installation or removal.
- Always ensure that the electrical distribution system is up to NEC (and any applicable local code)requirements.
- Verify that power distribution system has proper grounding, lack of proper earth ground can lead to fixture failure and may void warranty.
- Do not touch individual electrical components as this can cause ESD, shorten lamp life, or alter performance.
- Use only UL (or other NTRL) approved wire for input/output connections.
- Make sure LEDs and drivers are cool to touch when performing maintenance.
- Make sure the supply voltage is the same as the rated voltage of the luminaire.
- Do not install in hazardous location environments.
- Do not restrict fixture ventilation. Allow for some volume of airspace around fixture. Avoid covering LED fixtures with insulation, foam, or other material that will prevent convection or conduction cooling.
- Ensure the ambient temperature does not exceed the rated operating temperature of the fixture.
- Keep tightly closed when in operation.

Prepare Electrical Wiring

Electrical Requirements

- The LED driver must be supplied with the voltage specified on the product label and connected to an individual, properly grounded branch circuit protected by a circuit breaker. Use min. 75°C supply.

Grounding Instructions

- The grounding and bonding of the overall system shall be done in accordance with NEC Article 600 and local codes

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Before starting:

- Ensure that the supply power is shut off.
- Unpack the fixture and ensure that there are no damaged or missing parts.
- Ensure supply wires have no abrasions.
  Note: Fixture images shown with optional occupancy sensor.

Tools Required:

3/8" Nut Driver for 4 Mounting Screws

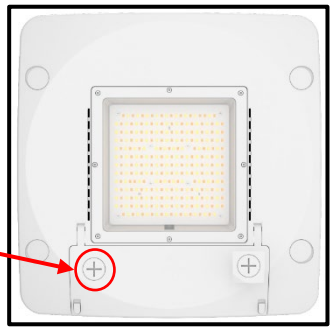
#2 Philips Screwdriver (PH2)

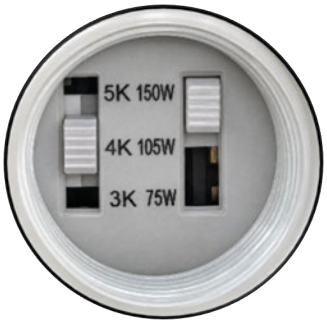
2-3" Hole Saw

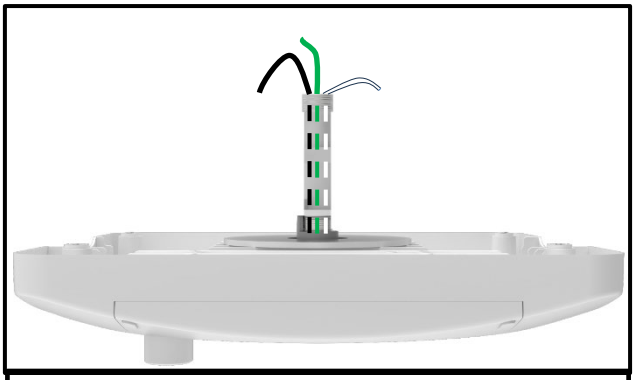
Drill

Caulk Gun with 100% Exterior Silicone Sealant

Before starting installation, unscrew plug, select required CCT and Wattage, and replace plug. Tighten in place.







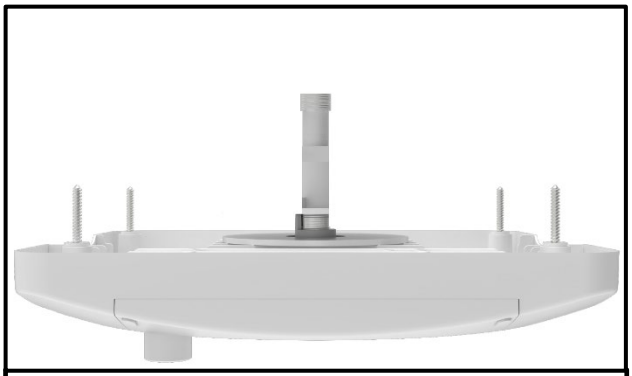
Step 1: Set luminaire down on a flat protected surface. Pull wires through the threaded pipe and connect the pipe to the fixture. Take care not to abrade/cut wires when routing them through pipe. Tighten conduit stem down aligning the flat with the locking screw. Tighten locking screw.

Step 2: For pendant mounting, skip this step. Determine location of center of fixture(s) on canopy. Please ensure this is properly spaced from any rib location on the top of the deck to ensure mounting clamp will install correctly. Before cutting hole in canopy, check fixture layout is as desired. Using the 2-3" hole saw, create a thru-hole in the decking for the wiring hub and threaded pipe to fit through. ***Note:*** *Ensure deck area above mounting location is clear of obstructions and will support fixture weight. Confirm the hole locations clear any standing ribs on top of the deck.*



Step 3, Installing Luminaire to Deck: From below the deck, insert the threaded pipe into the thru-hole. Make sure the luminaire is centered and flush to the deck and aligned properly.

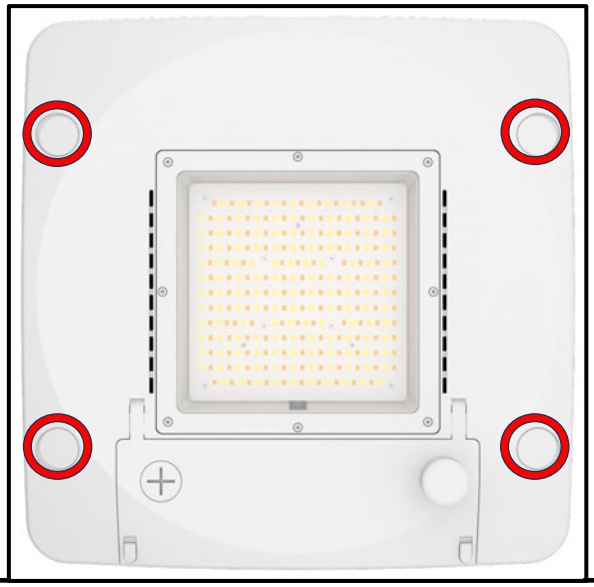
If installing the forward throw optics option, confirm fixture is positioned correctly with the street side label in the direction of arrow for the forward throw.



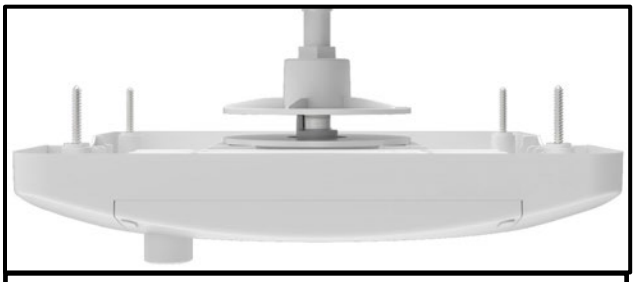
Step 4: For pendant mounting, skip this step. Secure the fixture to the deck using the four self drilling mounting screws provided. Do not over torque. *Note: Two screw spacing options are provided to accommodate different deck seam widths, except on forward throw applications.*

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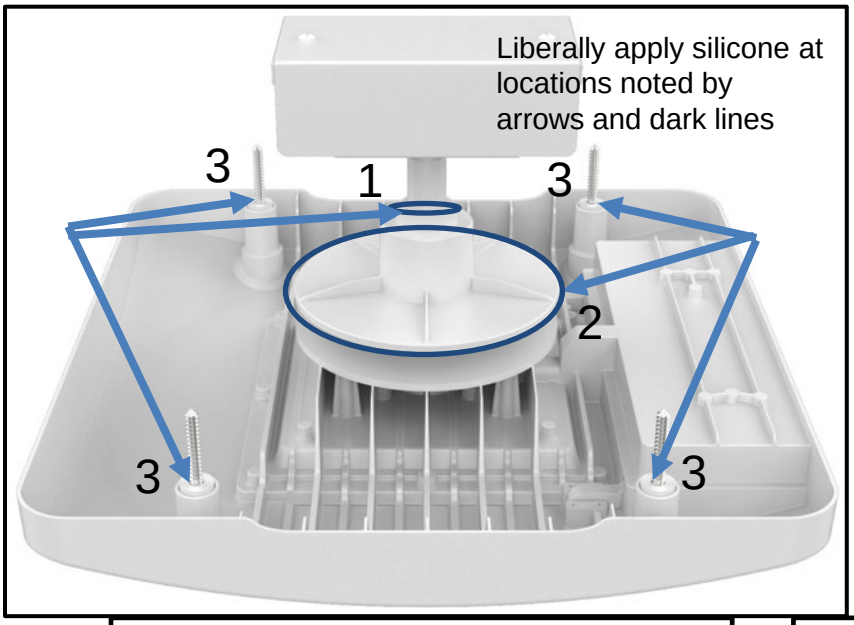
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Step 5: Insert all four screw covers provided.



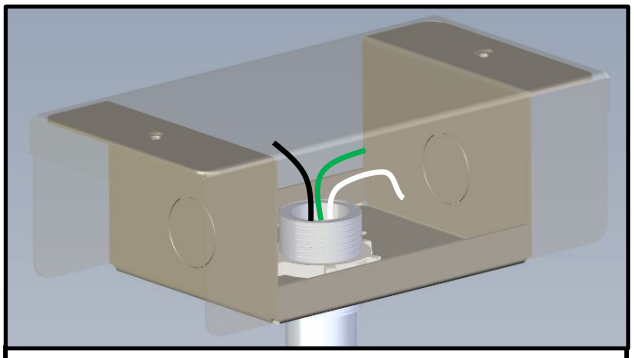
Step 6: For pendant mounting, skip this step. On top of the deck, attach the mounting plate shown above to the threaded pipe. Thread all the way down to the deck. Tighten to the deck.



Step 7: Seal the connections 1) between the threaded plate and around the pipe, 2) around the full diameter of the plate where the plate touches the deck, and 3) at the mounting screws point of entry through the deck.

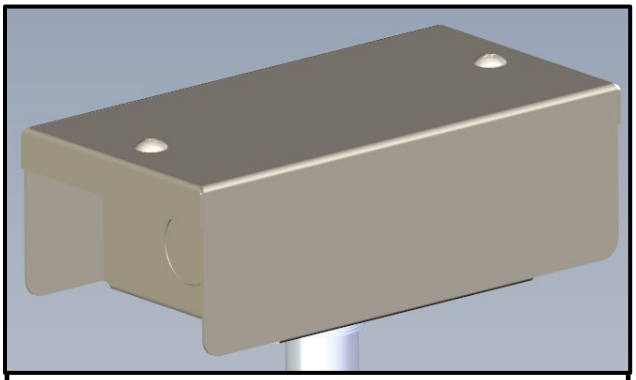


Step 8: If the electrician will finish the installation at a later time, you must feed wires through and attach the provided cap to the top of the stem to mitigate water ingress.



Step 9: If needed, remove cap. Attach customer supplied or accessory junction box to the threaded pipe. Any customer supplied junction box should allow the pipe to extend above the bottom surface of the junction box. If customer supplied junction box is waterproof, care must be taken to ensure the box is well sealed. Affix junction box in place using the lock nuts.

Step 10: Caution: Make sure power is turned off before attempting to wire or making any connections. Note: if supply wiring does not include a ground, consult your local electrical code for approved grounding methods. Connect black/Line fixture wire to black supply power wire, the white/Neutral fixture wire to the white/Neutral supply wire, and the green/Ground fixture wire to the green/Ground supply wire. If purple and pink control wires are not used, trim and cap off with wire nuts.



Step 11: Close the junction box.

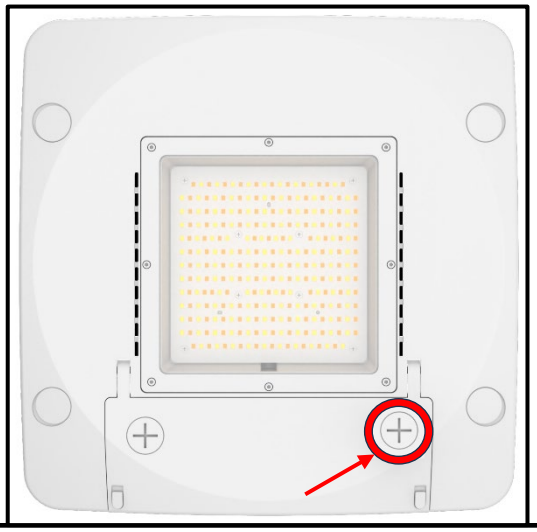
Step 12: Apply electricity at circuit breaker and verify fixture is operating properly.

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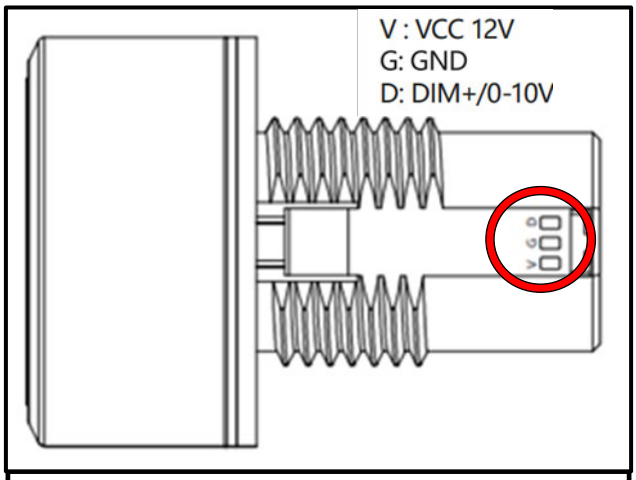
LED Canopy Light

Occupancy Sensor Install



Step 1: Note: OC Sensor cannot be used if control wires are attached to building management system. If occupancy sensor is being installed in the field, remove the indicated plug and open the power door.

Step 2: Screw in and tighten the OC sensor.



Step 3: Wire per the following:

Locate the white, pink (Dim-), and purple (Dim+) wires from the power compartment. Connect white to V tunnel connector. Connect pink to G tunnel connector. Connect purple to D tunnel connector.

Step 4: Before closing the power door, confirm all wires are dressed out of the way of the hinging door seal. Close power door tightly and reinstall screw plugs.