

## Installation Instructions

### INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS.

#### IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS.

(Failure to follow the warnings and instructions on this sheet could result in fire, injury, failure of product, and/or voiding of warranty.)

1. Do not touch a luminaire while lamp is on. Turn off/unplug and allow to cool before replacing lamp.
2. Lamps get HOT quickly! Contact only switch/plug when turning on.
3. Do not touch a hot lens, faceplate, cover, or body.
4. Keep lamp away from materials that may burn.
5. Do not touch lamp at any time. Use a soft cloth. Oil from your skin may damage lamp.
6. Do not operate with damaged or missing parts.
7. Do not disassemble beyond cover removal to facilitate installation or maintenance.
8. Remove any dirt or debris accumulated on cover periodically.
9. Do not install within 10 feet of a pool, spa, or fountain.
10. Have installed in accordance with all applicable installation codes and standards by a person familiar with the construction, operation, and hazards involved.
11. Use only cable properly rated for the application. Cable buried more than 6" must be suitable for direct burial. Direct burial cable may be ordered from Vision3 Lighting.

#### Installation Notes & Warnings:

- These installation instructions apply only to the LED Driver version of the MO12 Surface Mount Powered Canopy. For Transformer versions, Please see the 'MO12 (Transformer) Installation Instructions' for instructions specific to the installation of electronic transformer versions of the MO12.
- The MO12 Surface Mount Powered Canopy with LED Driver option must be ordered and used with a Vision3 Lighting Light Fixture w/ COB LED option. The MO12 will come from the factory with the V3 Light Fixture already mounted to the Canopy Cover, with quick disconnects on the driver output leads and fixture input leads to ease installation.
- This fixture is intended to be mounted to a 4" round / octagonal junction box using appropriate fasteners (junction boxes and Canopy Base mounting fasteners are not supplied). Whatever method of mount used, it must be strong enough to hold the weight of the MO12 Surface Mount Powered Canopy and the fixture mounted to it. Adjustable mounting rings should not be used, as they can easily bend under the weight, causing the fixture to sag or fall.
- This fixture is intended for wall or ceiling mount and should not be ground mounted, or mounted in such a way that it is buried or in direct contact with the ground or soil.
- This fixture is intended to be mounted to a wall or ceiling that prevents water from contacting the back of the base and should not be mounted in such a way that will allow water to enter from the back.
- This mount comes with safety cables. These cables must be used and attached as described. **Failure to do so could result in personal injury or death!**
- All ratings are subject to change without notice. See website or contact V3 for most current info.

#### Installation:

##### Unpack

1. Unpack the MO12 Surface Mount Powered Canopy, and any associated or attached Light Fixture, from the shipping container(s).
2. Check through all packaging material to make sure there aren't any items hidden in it before discarding.

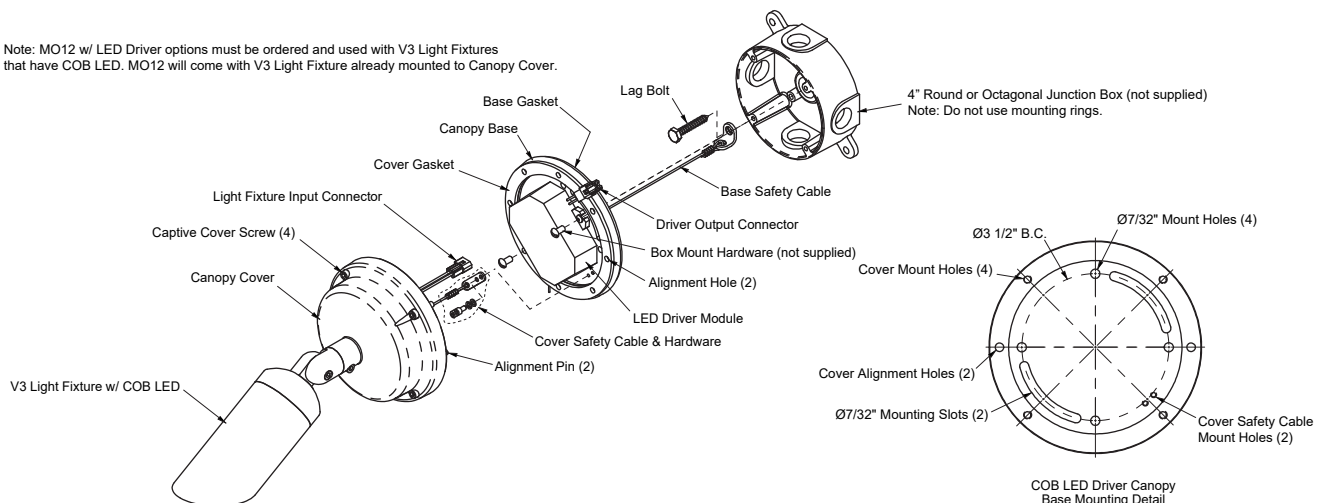
##### Inspect

1. Loosen the four Captive Cover Screws using a 5/32" hex tool.
2. Remove the Canopy Cover from the Canopy Base. Note: Wiring will still be connected to the driver and the Cover Safety Cable will still attach the Canopy Cover to the Canopy Base.
3. Inspect all parts for shipping damage, such as: chipped / scratched powder coat, broken lenses, broken lamps, cut or nicked leads, damaged seals / gaskets, etc. If any damage is found, do not install fixture. Contact Vision3 lighting so that damaged items can be repaired or replaced.
4. Double check the fixture with the packing list and sales order to ensure that all options and accessories are accounted for. Contact Vision3 lighting immediately if any discrepancies are found.
5. Cover and store all parts in a clean, dry, and safe place until it is time for installation. Note: Plastic bags are handy for keeping parts organized and clean during storage.

##### Install & Wire Canopy Base

Note: These instructions assume that a 4" round or octagonal junction box, conduit, and proper power supply wiring has already been installed in accordance with all applicable codes and standards by a person familiar with the construction, operation, and hazards involved. Junction box, conduit, and wiring supplied by others.

Note: MO12 w/ LED Driver options must be ordered and used with V3 Light Fixtures that have COB LED. MO12 will come with V3 Light Fixture already mounted to Canopy Cover.



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1. Disconnect the Light Fixture Input Connector from the Driver Output Connector.
2. Remove the Cover Safety Cable from the Canopy Base by loosening and removing the hardware. Note: do not lose the hardware as it will be used to reconnect the cable to the base later during installation. Store removed hardware in a plastic bag taped to the cable to prevent misplacing.
3. Use the Lag Bolt to mount the Base Safety Cable to a cross brace or stud. This may require drilling a hole in the junction box. Note: The Base Safety Cable must be lagged to a solid cross brace or stud in a manner capable of holding the weight of the fixture. **Failure to do so may cause injury or death!**
4. While hanging the Canopy Base by the Base Safety Cable, wire the MO12 Canopy Base to the power supply wires. Make sure that there is enough slack in the wiring so that the fixture can hang from the safety cable without stressing the wires. Verify that the power requirements of the LED Driver Module matches the power being supplied. Wire as follows:
  - a. If using a Driver with 0-10V dimming leads: Connect the Driver's blue and white dimming leads to the dimming control wires using appropriate connectors (not supplied) per applicable codes. The 0-10V(-) control wire (typically gray) should attach to the white Driver dimming lead(s). The 0-10V(+) control wire (typically purple) should attach to the Driver's blue dimming lead. If 0-10V dimming is not being used, each of the driver's dimming leads should be cut and capped separately (connectors not supplied). Note: capping the dimming leads together or allowing them to touch ground may prevent the LED from operating normally. Make sure they are capped separately if not being used.
  - b. Connect the Driver(s) power leads on the back side of the Canopy Base to the Power Supply Wires (black, white, green to hot, neutral, ground, respectively) using appropriate connectors (not supplied) per applicable codes.
5. Mount the Canopy Base to the 4" Round or Octagonal Junction Box by inserting the Box Mount Hardware thru the Mounting Slots on the Canopy Base and threading into the mount holes on the junction box.
 

Note:

  - Junction box and Box Mount Hardware are not supplied.
  - Always use washers (not supplied) with Box Mount Hardware.
  - Mounting Slots on Canopy Base are sized for #10 fasteners. If mounting holes on junction box are smaller than #10, it is preferred that the junction box is drilled out and tapped to #10 if it can be done without compromising integrity of the threads. If smaller hardware is used, be sure to use appropriately sized washers for the slot.
  - Do not use mounting rings to mount Canopy Base to junction box. They can bend and cause the fixture to sag or fall.
  - Whatever hardware and / or mounting method is used must be able to handle the weight and fulcrum weight of the fixture mounted to the MO12 Surface Mount Powered Canopy. **Failure to ensure this may cause injury or death!**
  - When installing the Canopy Base, be careful to not tear or pinch the Base Gasket, and make sure that the gasket is completely flat and covers the sealing surface. If the wall material is too rough, the gasket may not seal properly and another means must be used to seal around the base, such as silicone, to prevent water from reaching the back of the base.
6. Rotate the Canopy Base to the desired orientation, and tighten the Box Mount Hardware. Note: if Mounting Slots on the Canopy Base do not allow for enough rotation to reach the desired position, then the junction box must be removed and remounted. Do not use mounting rings as they can bend and cause the fixture to sag or fall.

#### Install Canopy Cover

1. Attach the Cover Safety Cable to the Canopy Base using the hardware removed during base installation above. Once the cable is securely attached to the base, the fixture and cover can be hung by the cable while wiring.
2. Connect the Light Fixture Input Connector to the Driver Output Connector. Note: make sure that the light fixture input ratings match the LED Driver Module output ratings. If not, contact Vision3 Lighting.
3. Mount the Canopy Cover to the Canopy Base by aligning the Alignment Pins on the cover with the Alignment Holes on the base and tightening the four Captive Cover Screws using a 5/32" hex tool. Note: as you are mounting the Canopy Cover to the Canopy Base, be careful to not pinch the wiring & safety cable or tear the gasket. Make sure that the gasket is completely flat and covers the sealing surface. If the Canopy Cover is not oriented as desired, remove the Canopy Cover and return to step 6 in the 'Install & Wire Canopy Base' section.
4. Adjust the aiming of the V3 Light Fixture mounted to the MO12 Surface Mount Powered Canopy per its installation instructions.
5. Double check all connections and component ratings before powering on the system.