

**Instruction page index:**

Horizontal Installation **2 - 4**

Wiring diagram **5**

**Please read all instructions prior to installation and keep for future reference!**

1. Product to be installed by a qualified electrician.
2. Prior to installation ensure power is off at fuse box to prevent electrical shock.

**INSTALLATION INSTRUCTION FOR 12143-HR**

1

**canopy detail**

1.1

standoff hub

measure

1.1

**Note: More than one person is recommended for this installation.**

1.1 Align one standoff hub to the junction box & measure the distance from standoff hub to the other hub. Then mark this location to the ceiling. Use canopy detail to sighting off center standoff hub.

2

ceiling

standoff location marks

13/64" drill bit

drill

2.1

2.2 hole anchor

2.3 spacer cap wood screw

2.1 On the marked locations, make a hole using a 13/64" drill bit.

2.2 Insert the anchor into the hole and push completely in.

2.3 Insert wood screw through cap & washer and then tighten to secure into the anchors.

3

junction box

3.2 crossbar assembly

3.3 backplate hex nut

3.1 canopy

3.1 Insert the power wires into the crossbar assembly, backplate, and hex nut.

3.2 Refer to the wiring diagram on page 5 and make all necessary connections from the power wires to the canopy driver wires.

3.3 Connect to ground in accordance with local electrical codes.

4

junction box

4.1 crossbar assembly

#8-32 screw

4.2 backplate hex nut

4.1 Align the crossbar to the junction box holes and secure using the provided two #8-32 screw.

4.2 Slide the backplate up to the crossbar and secure by tightening the hex nut into the crossbar.

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**INSTALLATION INSTRUCTION FOR 12143-HR**

**5** Prior to installing fixture to power, coaxial cable must be prepared to go inside crossbar assembly. *If this step is skipped coaxial cable metal sleeve will tangle up.*

- 1 - while holding the coaxial cable end.
- 2 - Pull back about an 1-1/2" of the metal sleeve to expose the wires.
- 3 - Cut off 1-1/2" of the wires.
- 4 - Pull forward the metal sleeve and twist to make a firmer single wire.

**6**

- 6.1** While one person is holding the fixture, the other person can feed the coaxial cable end through the clear o-rings & strain relief on canopy.
- 6.2** Peel back the coaxial cable to expose the low voltage wires. Refer to the wiring diagram on page 5 and make all necessary connections from the coaxial cable to the canopy wires.

**7**

- 7.1** Insert the low voltage wire nut connections into the canopy. Align the canopy to the backplate and securing using the 4 Phillip screws.

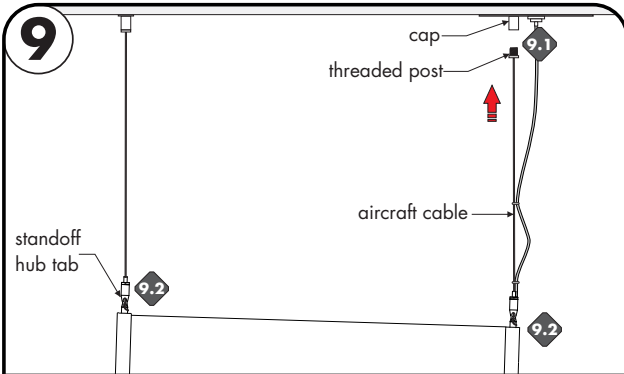
**8**

- 8.1** Untangle each aircraft cable and insert into the threaded post until the cable stopper.
- 8.2** Push on the standoff hub tab and feed the aircraft cable into the standoff hub until necessary. Release tab to secure in place. *For the aircraft cable closest to the coaxial cable slide through the o-rings on the coaxial cable first.*

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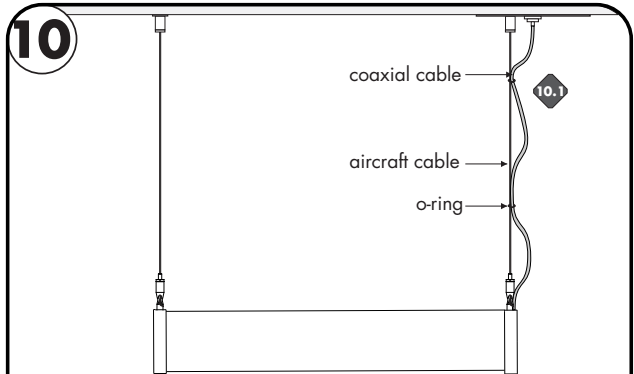


**9**

cap  
threaded post  
aircraft cable  
standoff hub tab

**9.1** Tighten each threaded post into a cap, one will be on the backplate and other(s) on the ceiling. If fixture not leveled, adjustments can be made by pushing on the standoff hub tab. Then either feed more cable into the standoff hub or pull out cable from the standoff hub and release to secure.

**9.2** Cut off any extra aircraft cable from the standoff hub hole.



**10**

coaxial cable  
aircraft cable  
o-ring

**10.1** If necessary make any final adjustments to the cables use the o-rings for a cleaner look.

0-10V DIMMING POWER SUPPLY WIRING FOR 12143-HR

