

## INSTALLATION INSTRUCTIONS REV PENDANT WITH P1EM HANGING SYSTEM

These instructions cover the REV luminaire with the following options:

SERIES	HANGING SYSTEM	SIZE	LIGHT SOURCE	CONTROL	WIRE DIAGRAM
1. RV1(INNER ILLUMINATION)  2. RV2(OUTER ILLUMINATION)	P1EM: PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY; REMOTE DRIVER ENCLOSURE	24	TWH1	DM8	WIRE DIAGRAM A ON PAGE 5
				DALI	WIRE DIAGRAM B ON PAGE 6
		36	TWH1	DM8	WIRE DIAGRAM A ON PAGE 5
				DALI	WIRE DIAGRAM B ON PAGE 6
		48	TWH1	DM8	WIRE DIAGRAM A ON PAGE 5
				DALI	WIRE DIAGRAM B ON PAGE 6
		60	TWH1	DM8	WIRE DIAGRAM A ON PAGE 5
				DALI	WIRE DIAGRAM B ON PAGE 6
		72	TWH1	DM8	WIRE DIAGRAM A ON PAGE 5
				DALI	WIRE DIAGRAM B ON PAGE 6

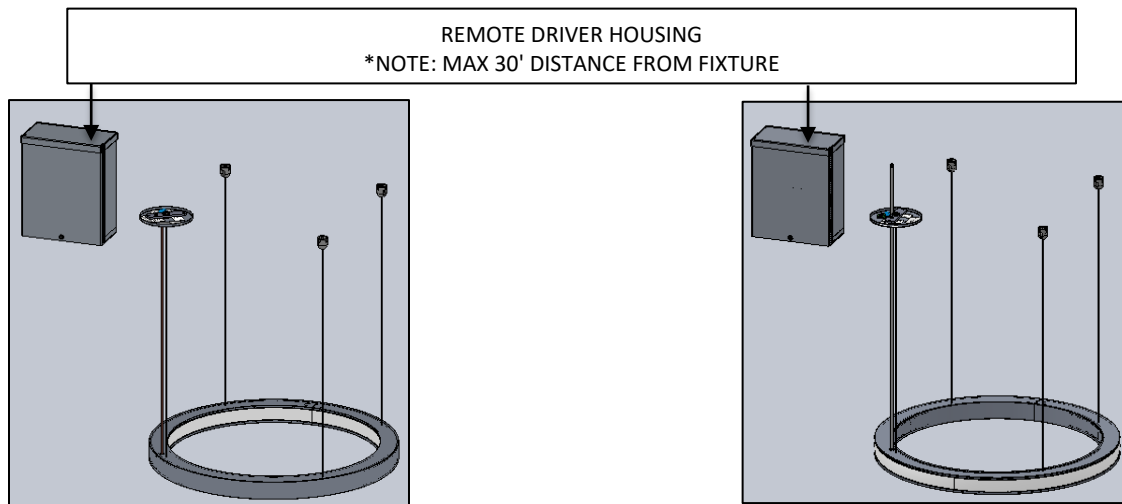


FIG. 1 - RV1-P1EM-XX-MW-XXX-TWH1-UNV-XXX-DXXX-XXX (INNER ILLUMINATION SHOWN)

FIG. 2 - RV2-P1EM-XX-MW-XXX-TWH1-UNV-XXX-DXXX-XXX (OUTER ILLUMINATION SHOWN)

### GENERAL NOTES:

- PLEASE COMPLETELY READ THE INSTALL INSTRUCTIONS BEFORE STARTING INSTALLATION.
- INSTALL IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES CONSULT WITH A QUALIFIED ELECTRICIAN FOR PROPER INSTALLATION.
- CAREFULLY UNPACK ALL CONTENTS; SOME COMPONENTS MAY HAVE BEEN SHIPPED IN SEPARATE BOXES. MOST FIXTURES ARE SHIPPED PARTIALLY ASSEMBLED. SOME UNASSEMBLY MAY BE REQUIRED FOR INSTALLATION.
- REMOTE MOUNTING DRIVERS - OCL RECOMMENDS: MAX 30' DISTANCE FROM FIXTURE FOR NON-DIMMING, DMO DM1 AND MAX 10' REMOTE DISTANCE FOR LUTRON. ENCLOSURE SHOULD REMAIN ACCESSIBLE AFTER INSTALLATION.
- DO NOT LET THE REV LUMINAIRE HANG FREE UNTIL BOTH THE AIRCRAFT CABLES ARE SECURED AND EVENLY TENSIONED.
- KEEP HANDS AWAY FROM THE SILICON DIFFUSER. DO NOT TOUCH IT AT ALL TIMES.

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Fax: 314.863.3278

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# RV1\_RV2-P1EM-XX-TWH1-INSTALL-INSTRUCTIONS

## GENERAL INFORMATION:

You will receive the following with each REV P1EM series pendant fixture:

1. REV LUMINAIRE. (Pre-assembled as shown in FIG. 3)
2. INSTALLATION INSTRUCTIONS - Please completely read the install instructions before starting installation.
3. HARDWARE BAG
  - a. CANOPY (as shown in FIG. 4)
  - b. MOUNTING KIT (as shown in FIG. 5)
    - i. STRAIN RELIEF
    - ii. FINIAL
    - iii. MOUNTING BRACKET ASSEMBLY
    - iv. THREE (3) CEILING COUPLER (CC)
4. REMOTE DRIVER BOX WITH DRIVER INSTALLED (as shown in FIG. 6)

**WARNING: Examine all components for any damage before beginning installation.**

**WARNING: This fixture should be installed by a licensed electrician only.**

**WARNING: Be careful not to scratch or damage any finished parts.**

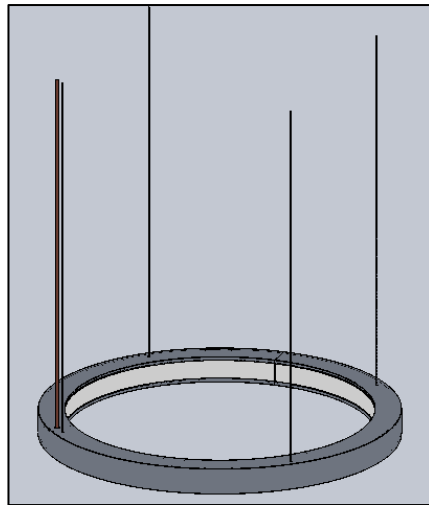


FIG. 3 - REV LUMINAIRE

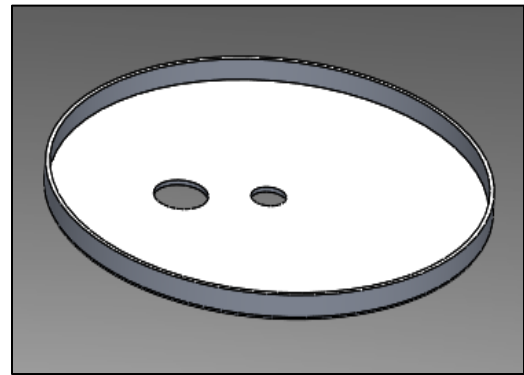


FIG. 4 - CANOPY

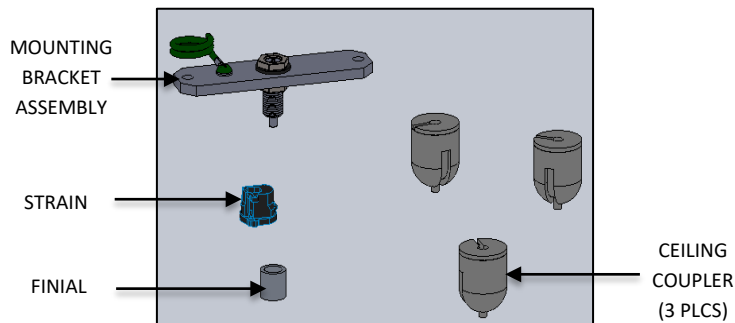


FIG. 5 - MOUNTING KIT CONTENTS

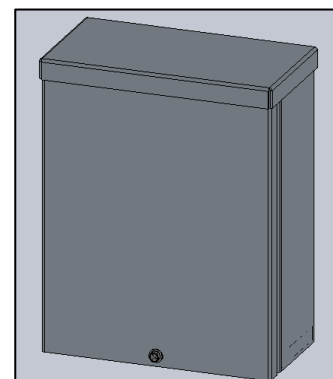


FIG. 6 - REMOTE DRIVER BOX  
WITH DRIVER INSTALLED

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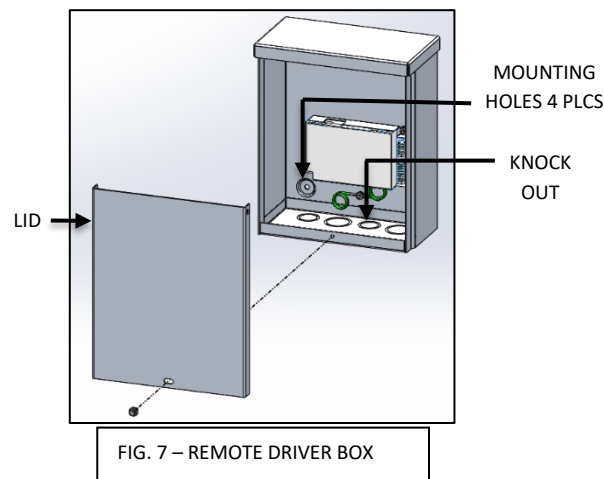
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# RV1\_RV2-P1EM-XX-TWH1-INSTALL-INSTRUCTIONS

## REMOTE DRIVER MOUNTING:

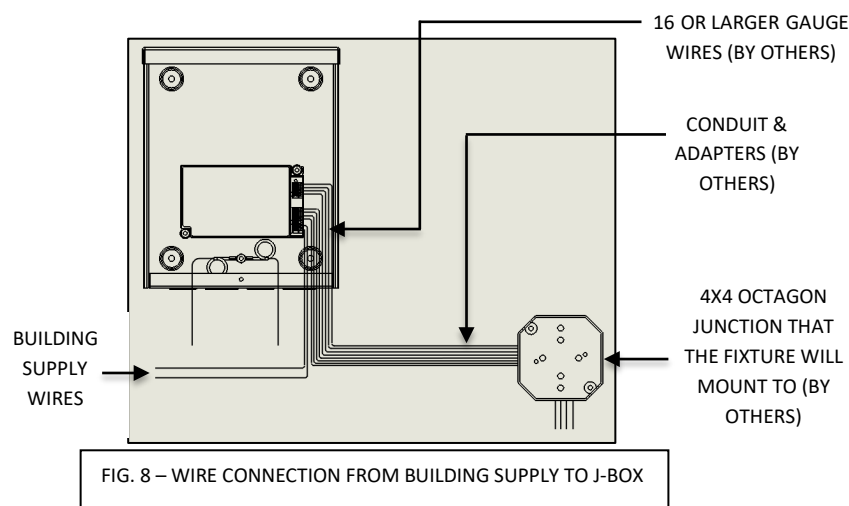
1. Shut off power.
2. Remove the lid of the REMOTE DRIVER HOUSING as shown in FIG. 7 below.



3. Mount the REMOTE DRIVER HOUSING to code in a location that is 30 feet or less from the FIXTURE BODY and is accessible after installing. Max wire length is 30ft measured from the FIXTURE BODY to the DRIVER.
4. Using the knockout holes at the bottom of the remote box, run conduit into the remote box for the building supply wires (line voltage) and conduit out of the remote box for the fixture wire (low voltage). Conduit, adapters and wires are supplied by other.

**NOTE: Do not run Line Voltage and Low Voltage wires in the same conduit.**

5. Run 16 gauge or larger wires from the remote box to the fixture junction box (wires, conduit & junction box by others). See wiring diagram below for number of conductors required. Inside the REMOTE DRIVER HOUSING, connect as per in FIG. 8 below. Refer WIRE DIAGRAM for exact wire connections as shown in FIG. 11 for DM8 connection and FIG.14 for DALI connection below.



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6. Connect building supply wires to the driver. See WIRE DIAGRAM TABLE below for correct WIRE DIAGRAM. Refer to correct Wire Diagram for wire connections. Make all wire connections in accordance with the national electrical code and all applicable local and state codes. Install the lid on the remote driver housing once connections are done.

WIRE DIAGRAM TABLE					
SERIES	HANGING SYSTEM	SIZE	LIGHT SOURCE	CONTROL	WIRE DIAGRAM
1. RV1 (INNER ILLUMINATION)	P1EM	24	TWH1	DM8	WIRE DIAGRAM A ON PAGE 5
				DALI	WIRE DIAGRAM B ON PAGE 6
	P1EM	36	TWH1	DM8	WIRE DIAGRAM A ON PAGE 5
				DALI	WIRE DIAGRAM B ON PAGE 6
2. RV2 (OUTER ILLUMINATION)	P1EM	48	TWH1	DM8	WIRE DIAGRAM A ON PAGE 5
				DALI	WIRE DIAGRAM B ON PAGE 6
	P1EM	60	TWH1	DM8	WIRE DIAGRAM A ON PAGE 5
				DALI	WIRE DIAGRAM B ON PAGE 6
	P1EM	72	TWH1	DM8	WIRE DIAGRAM A ON PAGE 5
				DALI	WIRE DIAGRAM B ON PAGE 6

### WIRE DIAGRAM A (FOR DM8 CONTROL):

DM8	GREY/WHITE	CCT -
DM8	PURPLE/WHITE	CCT +
DM8	GREY	INT -
DM8	PURPLE	INT +
DM8	GREEN	GROUND
DM8	BLACK	LINE
DM8	WHITE	NEUTRAL

FIG. 9 – WIRE CONNECTION FROM BUILDING SUPPLY TO DRIVER

WIRE LABEL TABLE		
CONTROL	WIRE COLOR	LABEL
DM8	PURPLE	LED OUTPUT 1 (+)
DM8	BLACK	LED OUTPUT 1 (-)
DM8	WHITE	LED OUTPUT 2 (+)
DM8	GREY	LED OUTPUT 2 (-)
DM8	GREEN	-

FIG. 10 – WIRE CONNECTION FROM DRIVER TO FIXTURE CORD

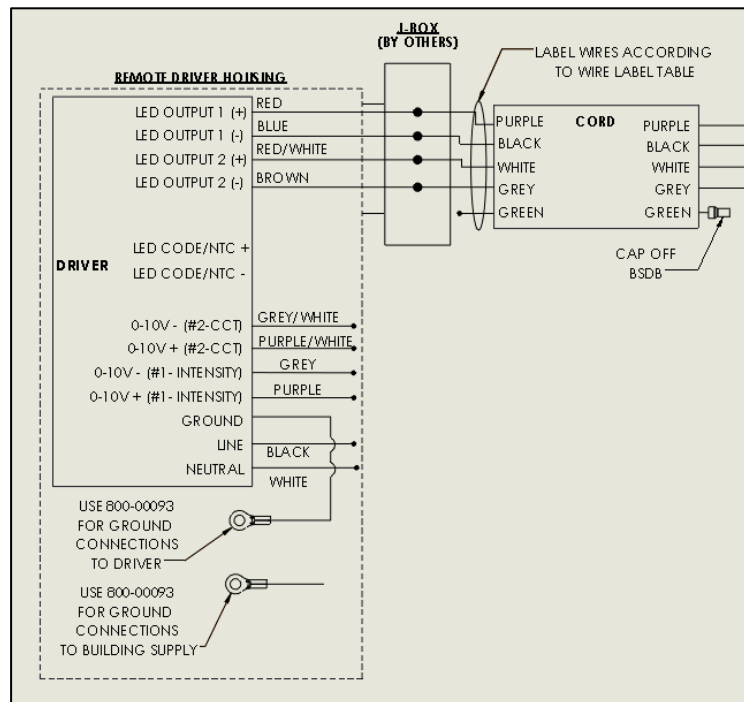


FIG. 11 – WIRE DIAGRAM FOR RV1\_RV2-P1EM-TWH1 SERIES (FOR DM8 CONTROL)

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## WIRE DIAGRAM B (FOR DALI CONTROL):

DALI	GREY	DALI -
DALI	PURPLE	DALI +
DALI	GREEN	GROUND
DALI	BLACK	LINE
DALI	WHITE	NEUTRAL

FIG. 12 – WIRE CONNECTION FROM  
BUILDING SUPPLY TO DRIVER

WIRE LABEL TABLE		
CONTROL	WIRE COLOR	LABEL
DALI	PURPLE	LED OUTPUT 1 (+)
DALI	BLACK	LED OUTPUT 1 (-)
DALI	WHITE	LED OUTPUT 2 (+)
DALI	GREY	LED OUTPUT 2 (-)
DALI	GREEN	-

FIG. 13 – WIRE CONNECTION FROM  
DRIVER TO FIXTURE CORD

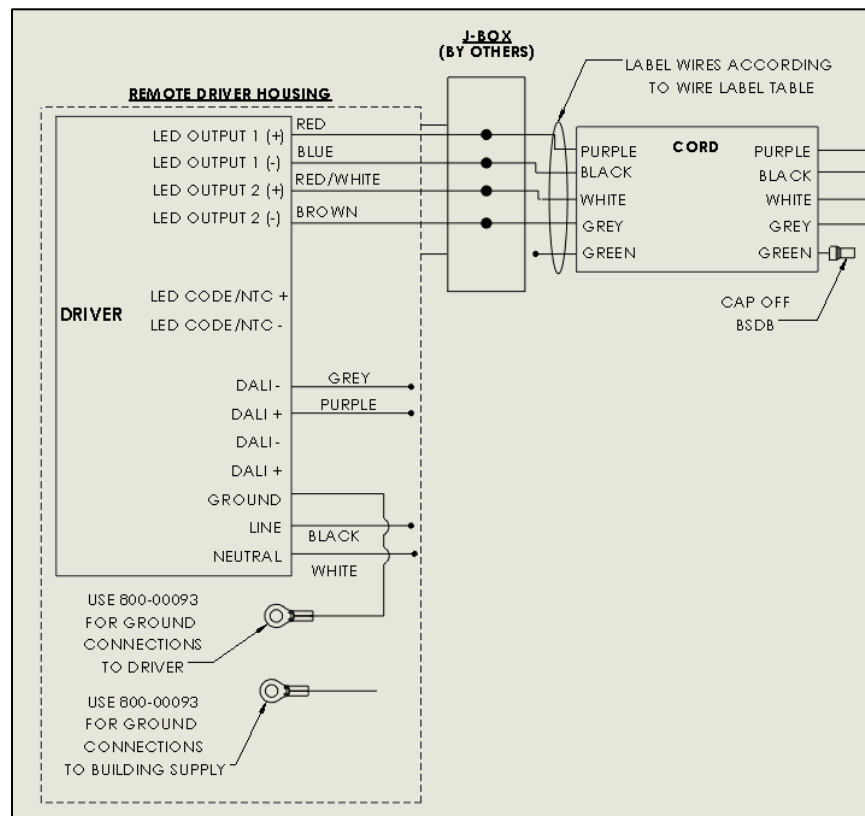


FIG. 14 – WIRE DIAGRAM FOR RV1\_RV2-P1EM-TWH1 SERIES (FOR DALI CONTROL)

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# RV1\_RV2-P1EM-XX-TWH1-INSTALL-INSTRUCTIONS

## MOUNTING:

1. Mark location for the NON-POWERED MOUNTING POINT according to the MOUNTING INFORMATION TABLE and FIG. 15.

REV1 (INNER ILLUMINATION) MOUNTING INFORMATION TABLE					
SERIES	FIXTURE DIAMETER	FIXTURE WEIGHT	MOUNTING DISTANCE DIM A	MOUNTING POINT	MIN/MAX OAH
	24"	10LBS	22.50"	4	5"/144"
	36"	13LBS	34.50"	4	5"/144"
	48"	17LBS	46.00"	4	5"/144"
	60"	19LBS	57.50"	4	5"/144"
	72"	22LBS	70.25"	4	5"/144"

REV2 (OUTER ILLUMINATION) MOUNTING INFORMATION TABLE					
SERIES	FIXTURE DIAMETER	FIXTURE WEIGHT	MOUNTING DISTANCE DIM A	MOUNTING POINT	MIN/MAX OAH
	24"	10LBS	21.6875"	4	5"/144"
	36"	13LBS	35.75"	4	5"/144"
	48"	17LBS	44.6875"	4	5"/144"
	60"	19LBS	57.50"	4	5"/144"
	72"	22LBS	68.6875"	4	5"/144"

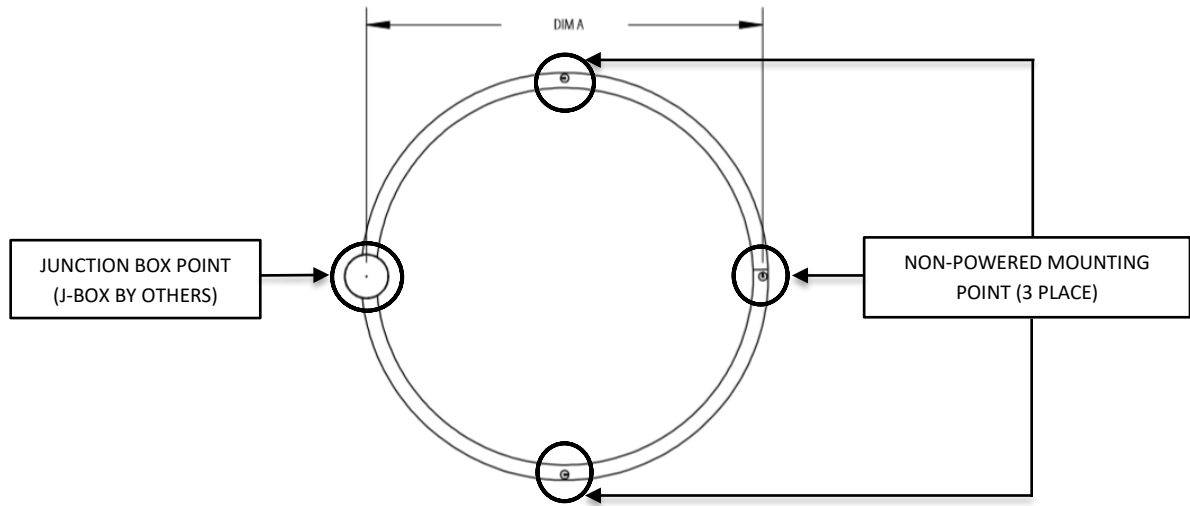


FIG. 15 - TOP VIEW SHOWING MOUNTING VIEW INFORMATION

2. Dis-assemble the CEILING COUPLER into two components CC-BASE, CC-HOLDER as shown in FIG. 16.

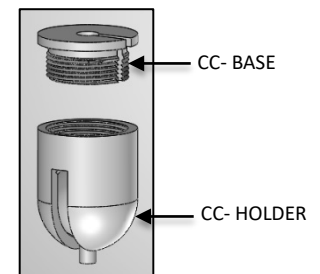


FIG. 16 - CEILING COUPLER ASSEMBLY

For REV MOUNTING [HARD CEILING] see steps 3 and 4,  
For REV MOUNTING [GRID CEILING] see steps 5 and 6.

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### REV MOUNTING [HARD CEILING]:

- For hard ceiling install #8 FLAT HEAD ANCHOR (by others) into ceiling at the non-powered mounting location as per the mounting information chart (page 7).

**WARNING: Anchors (by others) must be rated to 50lbs each and suitable for ceiling material at the non-powered mounting location.**

- Install the CC-BASE to the #8 FLAT HEAD ANCHOR (by others) previously installed at the non-powered mounting location and secure with the #8 FLAT HEAD ANCHOR SCREW (by others) as shown in FIG. 17.

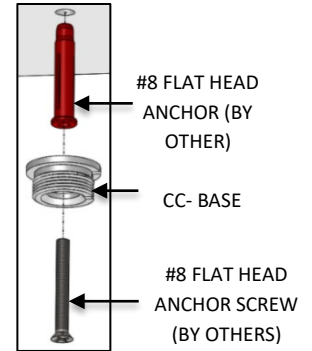


FIG. 17- HARD CEILING  
INSTALLATION

### REV MOUNTING [GRID CEILING]:

- For grid ceiling install 1/4-20 ROD (by others) at the non-powered mounting location as per the mounting information chart (page 7). 1/4-20 ROD should protrude past the bottom of the ceiling surface 0.375".

**WARNING: Make sure each threaded rod is mounted to structural member rated to at least 50lbs.**

- Add a light thread locking compound to the 1/4-20 ROD (by others). Then thread CC-BASE to 1/4-20 ROD protruding through the ceiling material as shown in FIG. 18.

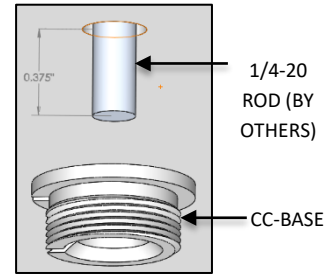


FIG. 18 - GRID CEILING  
INSTALLATION

### REV MOUNTING [NON-POWERED POINT AIRCRAFT CABLE]:

- Locate the AIRCRAFT CABLE mounted to the LINER fixture.
- Feed the AIRCRAFT CABLE through the CC-HOLDER. Adjust the AIRCRAFT CABLE to the desired length and place it aside as shown in FIG. 19.

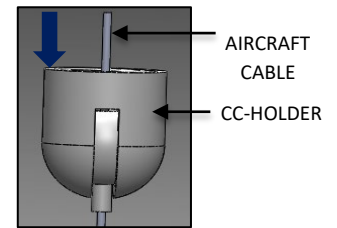


FIG. 19 - SS ROPE CABLE  
INSTALLATION

### REV MOUNTING [CANOPY]:

- Assemble the MOUNTING BRACKET ASSEMBLY to the JUNCTION BOX the fixture will mount to (by others) with screws (by others) as shown in FIG. 20 below.
- Pass the FINIAL and the STRAIN RELIEF through the AIRCRAFT CABLE and CORD, respectively. Adjust the STRAIN RELIEF as needed to get the desired CORD length as shown in FIG. 21 below.

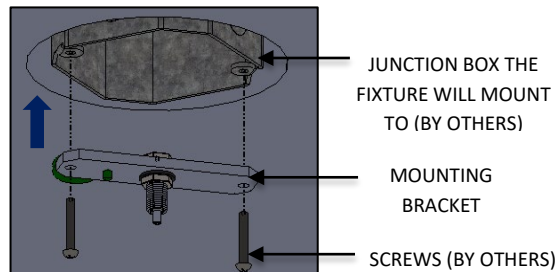


FIG. 20- MOUNTING BRACKET  
ASSEMBLY INSTALLATION

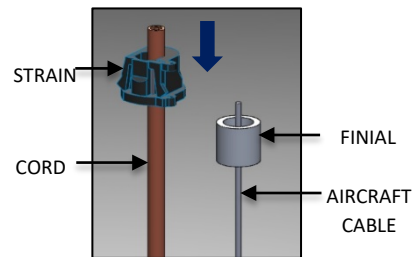


FIG. 21 - STRAIN RELIEF  
AND FINIAL INSTALLATION

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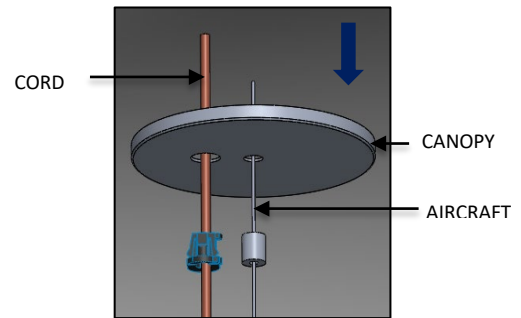
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## RV1\_RV2-P1EM-XX-TWH1-INSTALL-INSTRUCTIONS

11. Pass the CANOPY through the AIRCRAFT CABLE and CORD in such a way that the AIRCRAFT CABLE goes through the center hole on the CANOPY and CORD passes through the second hole as shown in FIG. 22.


FIG. 22 – CANOPY PLATE  
INSTALLATION

12. Raise the REV luminaire up, with multiple people, to the ceiling and screw the CC-HOLDER to the CC-BASE until fully seated. Simultaneously, feed the AIRCRAFT CABLE through the GRIPLOCK and adjust the AIRCRAFT CABLE to the desired length as shown in FIG. 23, 24 & 25 below.

**NOTE: Make sure to trim the excess of AIRCRAFT CABLE, leaving at least 1.75" past the GRIPLOCK for the GRIPLOCK to function properly. Make sure that the aircraft cable is taped up above the GRIPLOCK, so there is no chance of anything shortage.**

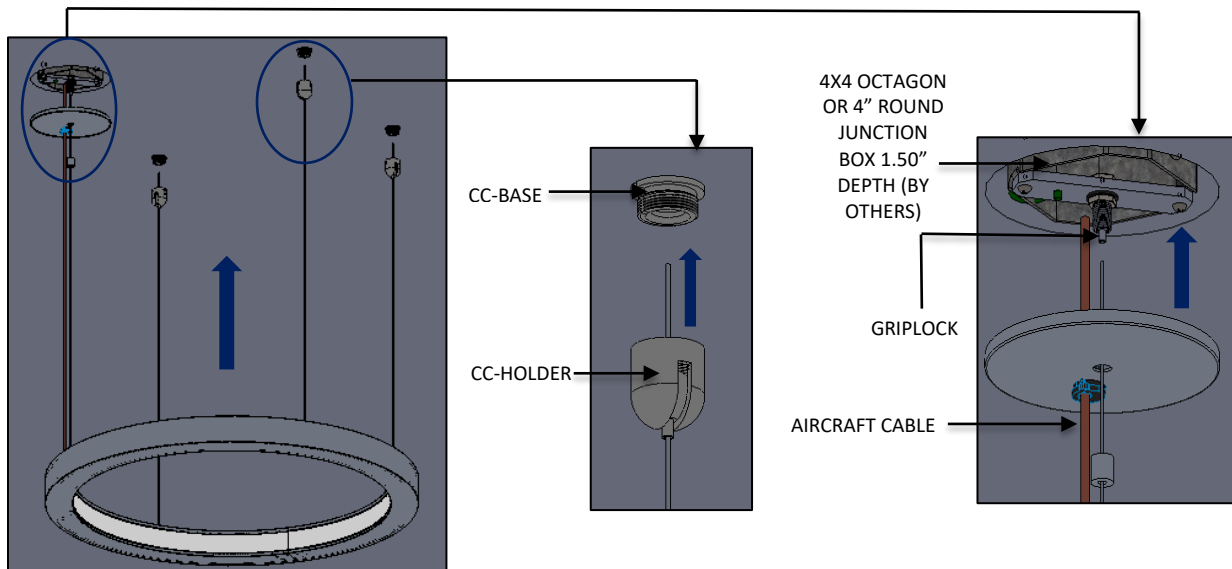


FIG. 23 - INSTALLATION VIEW

FIG. 24 – COUPLER DETAIL VIEW

FIG. 25 – CANOPY DETAIL VIEW

**WARNING:**


1. Do not let the LUMINAIRE hang free until both the AIRCRAFT CABLES are secured and evenly tensioned.
2. Keep hands away from the SILICON DIFFUSER. Do NOT touch it at all times

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13. Make all wire connections in the inside the junction box (by others) in accordance with the national electrical code and all applicable local and state codes. See wire diagram on page 5 and 6 for corresponding models.
14. Raise CANOPY and secure to ceiling by threading the FINIAL to the GRIPLOCK until fully seated as shown in FIG. 26.

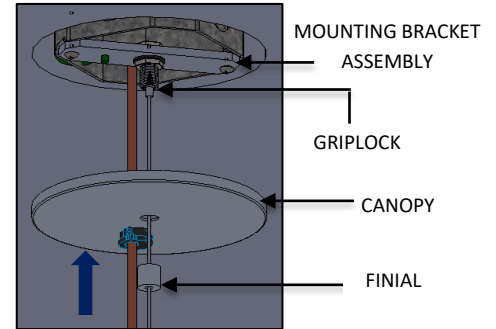


FIG. 26 - FINIAL INSTALLATION

15. Restore power to circuit the REV Series pendant is connected to.
  - a. Test to see that the luminaire turns on after power is restored.
  - b. Contact OCL for any luminaire troubleshooting if a problem occurs.

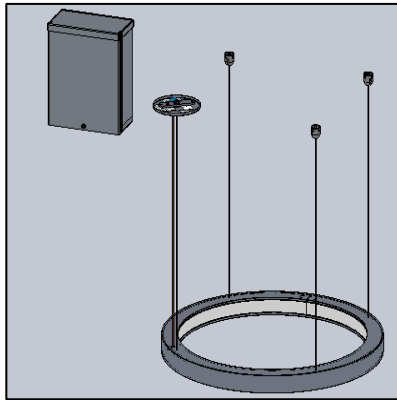


FIG. 27 - COMPLETED INSTALLATION OF REV PENDANT WITH P1EM HANGING SYSTEM RV1 (INNER ILLUMINATION) (SHOWN)

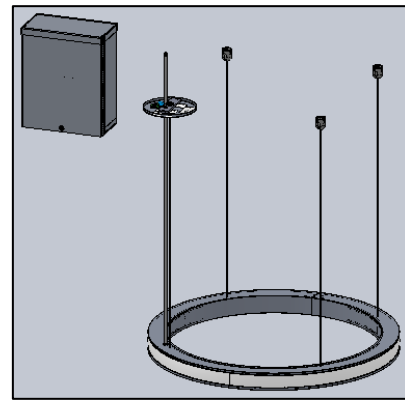


FIG. 28 - COMPLETED INSTALLATION OF REV PENDANT WITH P1EM HANGING SYSTEM RV2 (OUTER ILLUMINATION) (SHOWN)

16. If there is option for Acoustic Panel, place the Acoustic part above the fixture body such that it is eventually balanced and assembly concentrically to the axis of fixture body as shown in FIG. 29 and 30 below for both RV1 and RV2 Series.

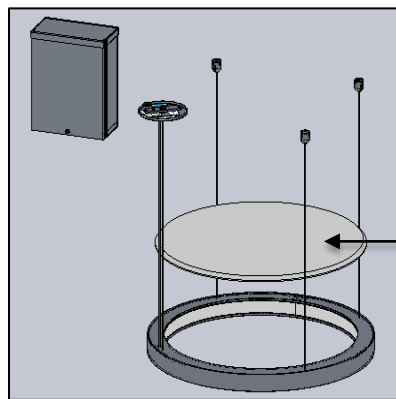


FIG. 29 - RV1 (INNER ILLUMINATION) (WITH ACOUSTIC PANEL SHOWN)

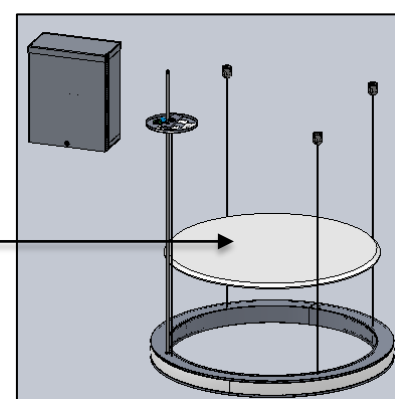


FIG. 30 - RV2 (OUTER ILLUMINATION) (WITH ACOUSTIC PANEL SHOWN)

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