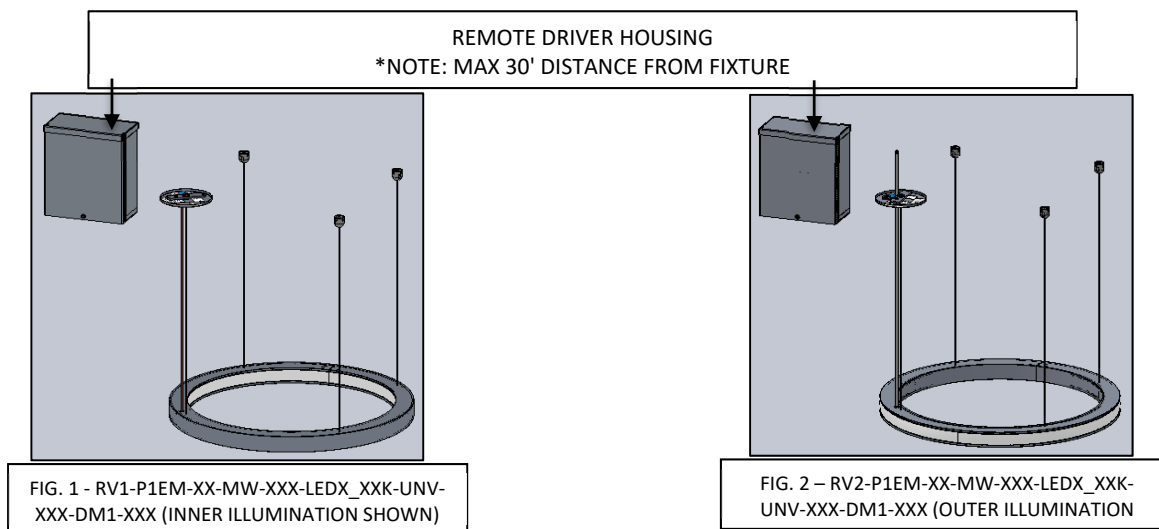


## INSTALLATION INSTRUCTIONS REV PENDANT WITH P1EM HANGING SYSTEM

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; MOUNTS TO 4X4 OCTAGON J-BOX (BY OTHERS); REMOTE DRIVER ENCLOSURE	24	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 5
		36	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 5
		48	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM B ON PAGE 6
		60	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM B ON PAGE 6
		72	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM B ON PAGE 6



### 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' (WIRE LENGTH) DISTANCE FROM FIXTURE FOR NON-DIMMING AND DM1. MAX 10' (WIRE LENGTH) REMOTE DISTANCE FOR LUTRON. ENCLOSURE SHOULD REMAIN ACCESSIBLE AFTER INSTALLATION.
- FIXTURE POWER CORD WIRES ARE LOW-VOLTAGE. DO NOT CONNECT TO LINE VOLTAGE OR DAMAGE TO THE FIXTURE WILL OCCUR AND WARRANTY WILL BE VOIDED.
- DO NOT LET THE REV LUMINAIRE HANG FREE UNTIL BOTH THE AIRCRAFT CABLES ARE SECURED AND EVENLY TENSIONED.
- KEEP HANDS AWAY FROM THE SILICONE DIFFUSER. DO NOT TOUCH IT AT ALL TIMES.

**OCL Architectural Lighting**

Phone: 314.863.1895  
Fax: 314.863.3278  
www.ocl.com

## Table of Contents

<b>GENERAL INFORMATION.....</b>	<b>3</b>
<b>REMOTE DRIVER MOUNTING .....</b>	<b>4</b>
<b>WIRE DIAGRAM A (FOR 24" &amp; 36").....</b>	<b>5</b>
<b>WIRE DIAGRAM B (FOR 48",60" &amp; 72") .....</b>	<b>6</b>
<b>MOUNTING.....</b>	<b>7</b>
<b>REV MOUNTING [HARD CEILING].....</b>	<b>8</b>
<b>REV MOUNTING [GRID CEILING] .....</b>	<b>8</b>
<b>REV MOUNTING [NON-POWERED POINT AIRCRAFT CABLE] .....</b>	<b>8</b>
<b>REV MOUNTING [CANOPY] .....</b>	<b>8</b>
<b>CORD INSTALLATION INSTRUCTIONS .....</b>	<b>11</b>

# 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.**

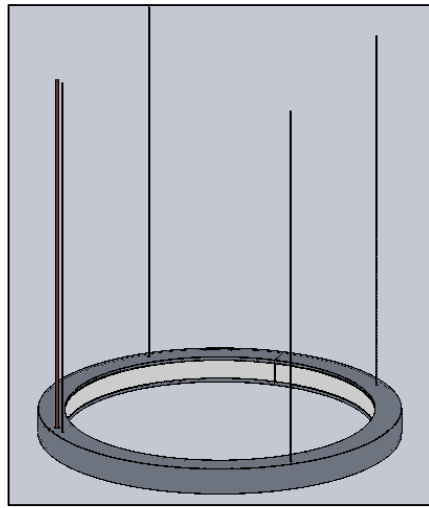


FIG. 3 - REV LUMINAIRE

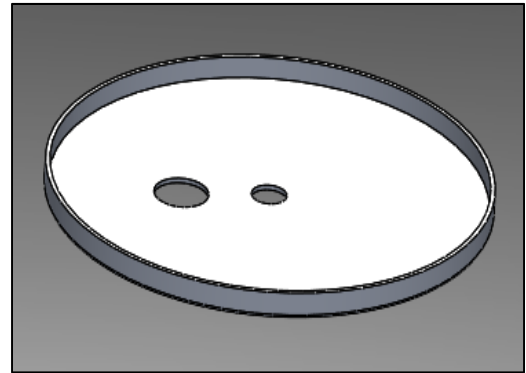


FIG. 4 - CANOPY

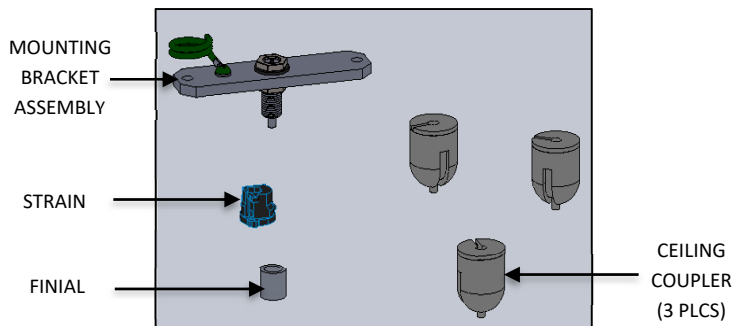


FIG. 5 - MOUNTING KIT CONTENTS

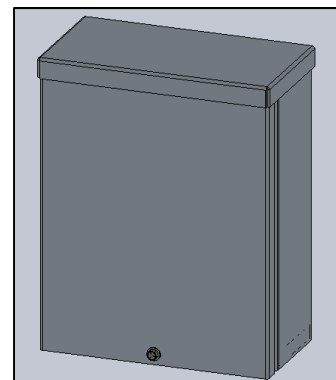


FIG. 6 - REMOTE DRIVER BOX  
WITH DRIVER INSTALLED

OCL Architectural Lighting

Phone: 314.863.1895

Fax: 314.863.3278

[www.oclighting.com](http://www.oclighting.com)

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

### REMOTE DRIVER MOUNTING:

1. Shut off power.
2. Remove the lid of the REMOTE DRIVER HOUSING as shown in FIG. 7 and FIG. 8 below.

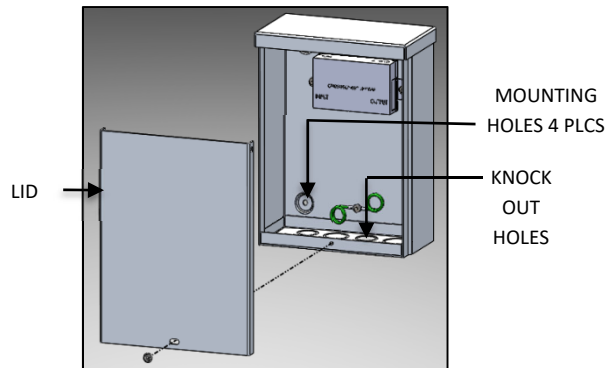


FIG. 7 – REMOTE DRIVER BOX ASSEMBLY FOR 24 & 36 MODELS

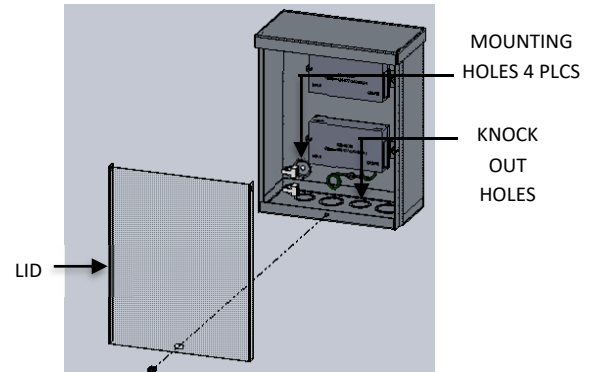


FIG. 8 – REMOTE DRIVER BOX ASSEMBLY FOR 48, 60 & 72 MODELS

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. Depending upon the size of the fixture (see WIRE DIAGRAM TABLE on Page 5 for correct Wire Diagram) run (1) set of positive and negative 16 or larger gauge wire (by others) or (2) set of positive and negative 16 or larger gauge wire (by others) from the REMOTE DRIVER HOUSING to the junction box the fixture will mount to (by others). Inside the REMOTE DRIVER HOUSING, connect:
  - Driver 1 LED output (+) and positive 16 or larger gauge wire (1<sup>st</sup> set).
  - Driver 1 LED output (-) and negative 16 or larger gauge wire (1<sup>st</sup> set).
  - Driver 2 (if applicable) LED output (+) and positive 16 or larger gauge wire (2<sup>nd</sup> set).
  - Driver 2 (if applicable) LED output (-) and negative 16 or larger gauge wire (2<sup>nd</sup> set).
  - Dimming wires as shown on the driver in FIG. 9 and FIG. 10 below.

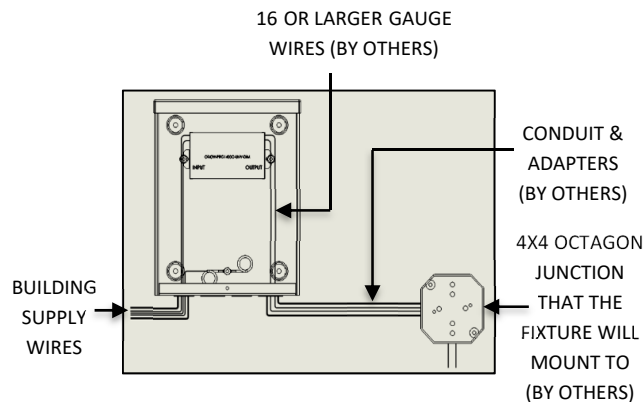


FIG. 9 – WIRE CONNECTION FROM BUILDING SUPPLY TO J-BOX FOR 24 & 36 MODELS

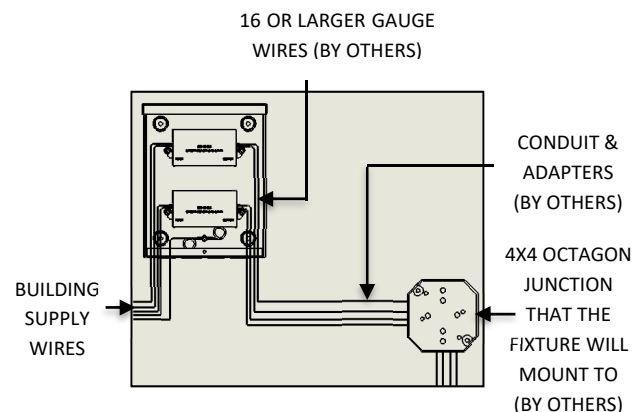


FIG. 10 – WIRE CONNECTION FROM BUILDING SUPPLY TO J-BOX FOR 48, 60 & 72 MODELS

OCL Architectural Lighting

Phone: 314.863.1895

Fax: 314.863.3278

[www.oclighting.com](http://www.oclighting.com)

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

1. Connect building supply wires to the driver. See WIRE DIAGRAM TABLE below for correct WIRE DIAGRAM. Refer to correct 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	BODY SIZE	LIGHT SOURCE	LED OUTPUT	CONTROL	WIRE DIAGRAM
1. RV1 (INNER ILLUMINATION)	P1EM	24	STATIC WHITE	LED1&LED2	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 5
	P1EM	36	STATIC WHITE	LED1&LED2	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 5
	P1EM	48	STATIC WHITE	LED1&LED2	0-10V DIM 1% (DM1)	WIRE DIAGRAM B ON PAGE 6
2. RV2 (OUTER ILLUMINATION)	P1EM	60	STATIC WHITE	LED1&LED2	0-10V DIM 1% (DM1)	WIRE DIAGRAM B ON PAGE 6
	P1EM	72	STATIC WHITE	LED1&LED2	0-10V DIM 1% (DM1)	WIRE DIAGRAM B ON PAGE 6

### WIRE DIAGRAM A (FOR 24" & 36"):

#### DRIVER WIRES TO BUILDING SUPPLY

BLACK WIRE = LINE VOLTAGE  
WHITE WIRE = NEUTRAL  
GREEN WIRE = GROUND  
PURPLE = DIM +  
GREY = DIM -

FIG. 11 – WIRE CONNECTION FROM BUILDING SUPPLY TO DRIVER

#### WIRE LABEL TABLE

CONTROL	WIRE	LABEL
ALL	INSULATED WIRE	LED +
ALL	BRAIDED WIRE	LED -

FIG. 12 – WIRE CONNECTION FROM DRIVER TO FIXTURE CORD

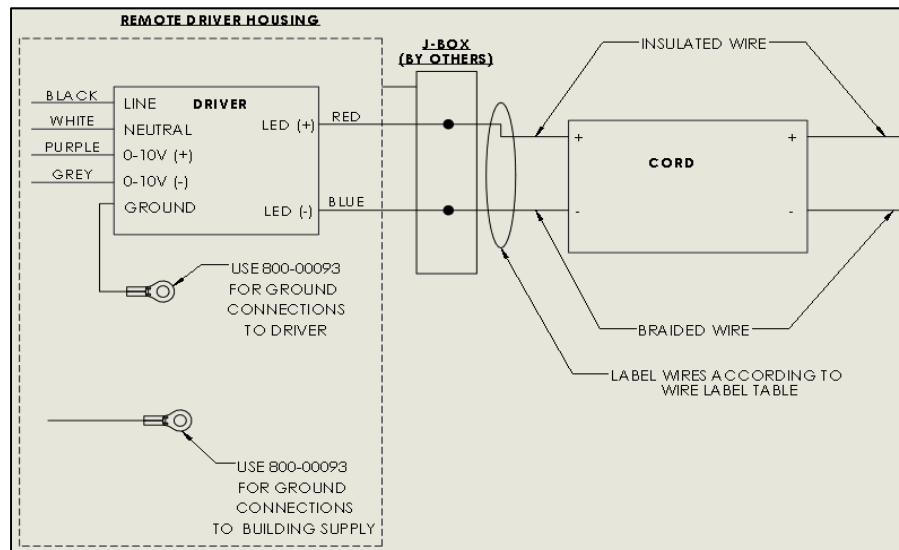


FIG. 13 – WIRE DIAGRAM FOR 24" & 36" MODELS

OCL Architectural Lighting

Phone: 314.863.1895

Fax: 314.863.3278

[www.ocllighting.com](http://www.ocllighting.com)

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

## WIRE DIAGRAM B (FOR 48",60" & 72"):

### DRIVER WIRES TO BUILDING SUPPLY

BLACK WIRE = LINE VOLTAGE  
WHITE WIRE = NEUTRAL  
GREEN WIRE = GROUND  
PURPLE = DIM +  
GREY = DIM -

FIG. 14 – WIRE CONNECTION FROM BUILDING SUPPLY TO DRIVER

### WIRE LABEL TABLE

CONTROL	WIRE COLOR	LABEL
ALL	WHITE	DRIVER 1 LED +
ALL	BLACK	DRIVER 1 LED -
ALL	PURPLE	DRIVER 2 LED +
ALL	GREY	DRIVER 2 LED -

FIG. 15 – WIRE CONNECTION FROM DRIVER TO FIXTURE CORD

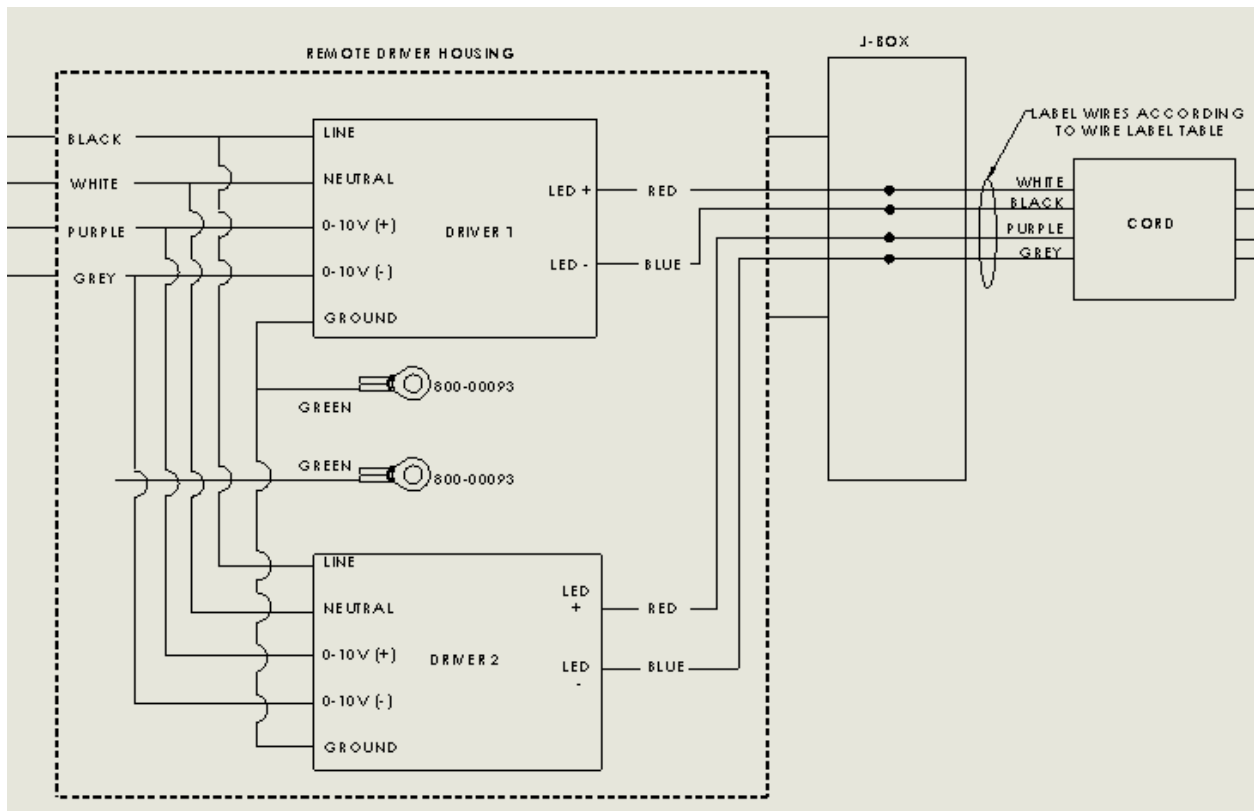


FIG. 16 – WIRE DIAGRAM FOR 48",60" & 72" MODELS

**OCL Architectural Lighting**

Phone: 314.863.1895


Fax: 314.863.3278


[www.ocl.com](http://www.ocl.com)

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

# MOUNTING:

1. Mark location for the NON-POWERED MOUNTING POINT according to the MOUNTING INFORMATION TABLE and FIG. 17.

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	33.75"	4	5"/144"
	48"	17LBS	44.6875"	4	5"/144"
	60"	19LBS	57.50"	4	5"/144"
	72"	22LBS	68.875"	4	5"/144"

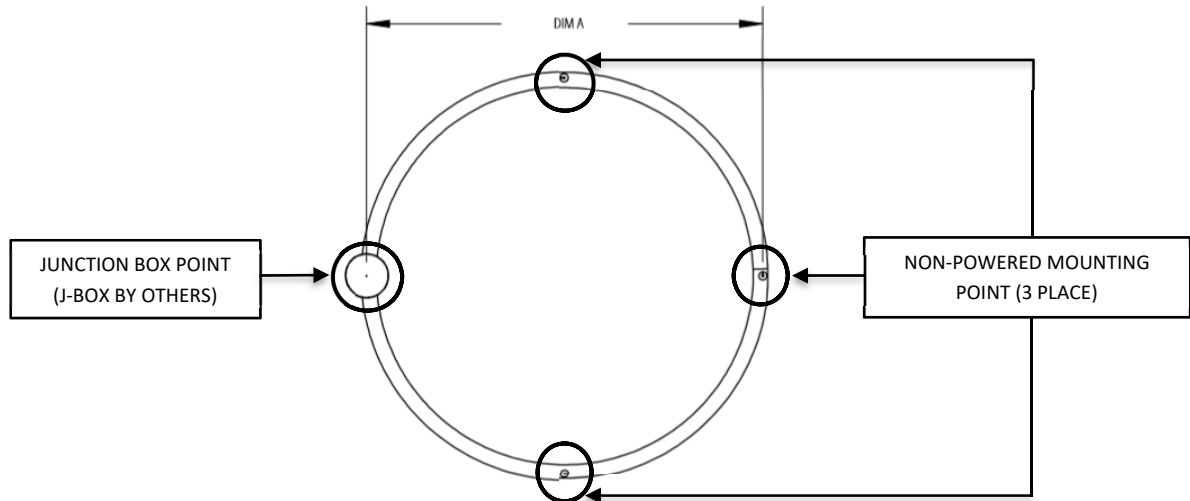


FIG. 17 - TOP VIEW SHOWING MOUNTING VIEW INFORMATION

2. Dis-assemble the CEILING COUPLER into two components CC-BASE, CC-HOLDER as shown in FIG. 18.

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

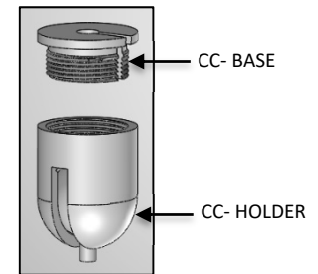


FIG. 18 - CEILING COUPLER ASSEMBLY

OCL Architectural Lighting

Phone: 314.863.1895

Fax: 314.863.3278

[www.oclighting.com](http://www.oclighting.com)

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

**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. 19.

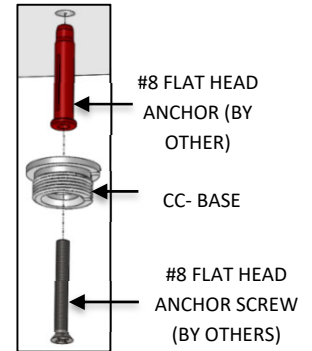


FIG. 19- HARD CEILING INSTALLATION

**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. 20.

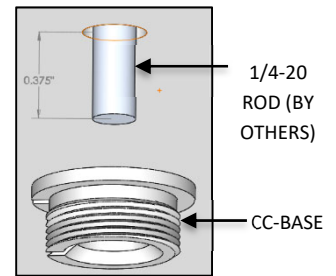


FIG. 20 - GRID CEILING INSTALLATION

**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. 21.

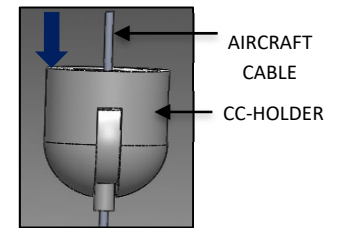


FIG. 21 - SS ROPE CABLE INSTALLATION

**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. 22 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. 23 below.

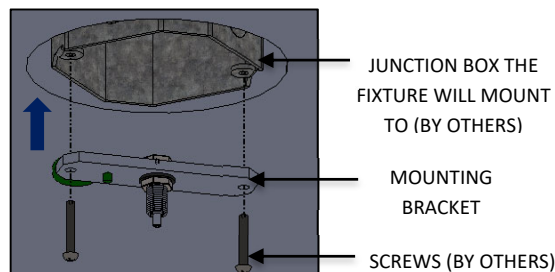


FIG. 22 - MOUNTING BRACKET ASSEMBLY INSTALLATION

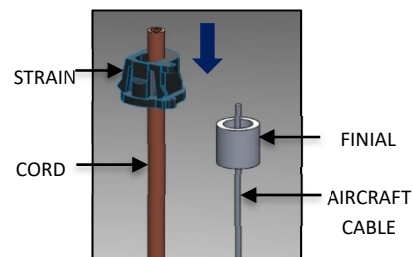


FIG. 23 - STRAIN RELIEF AND FINIAL INSTALLATION

OCL Architectural Lighting

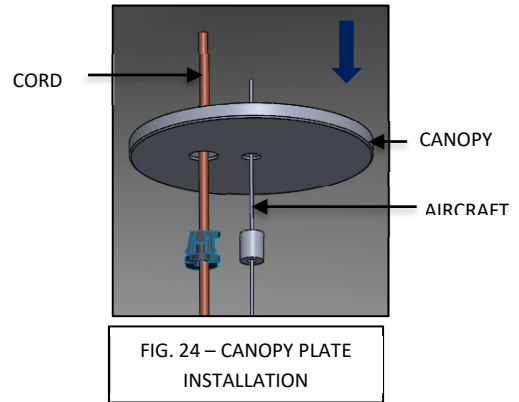
Phone: 314.863.1895

Fax: 314.863.3278

[www.oclighting.com](http://www.oclighting.com)

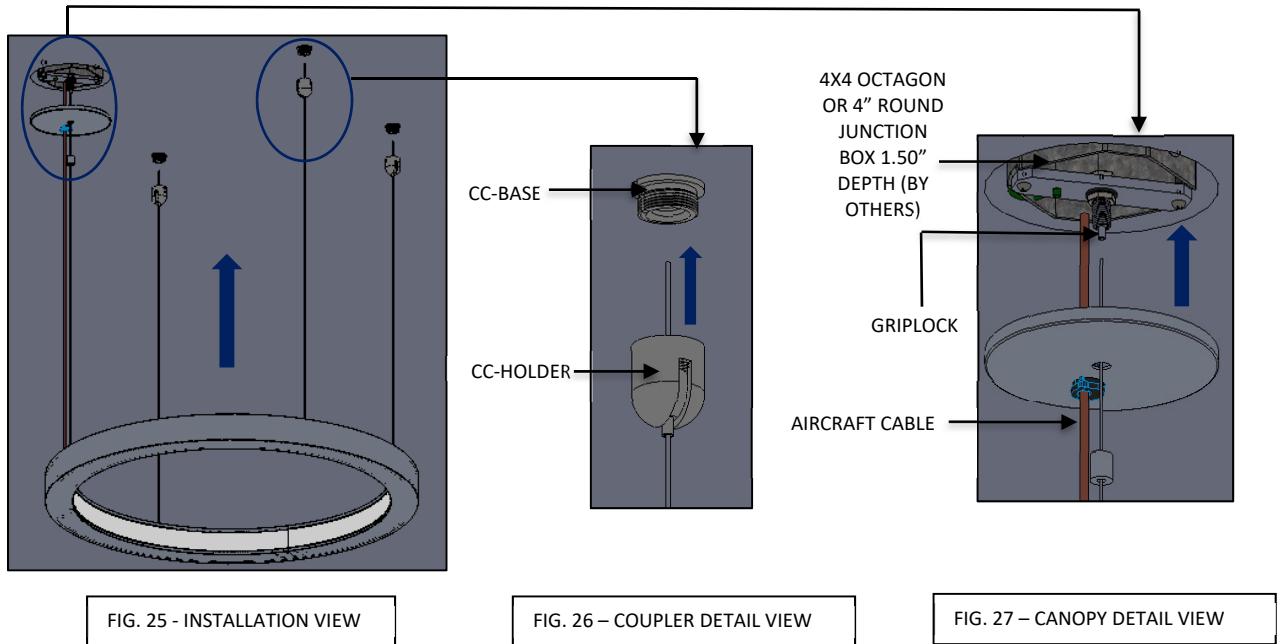


11. Pass the CANOPY through the AIRCRAFT CABLE and CORD in such a way that the AIRCRAFT CABLE goes through the center hole on the CANOPY and CORD passes through the second hole as shown in FIG. 24.



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. 25, 26 & 27 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 any shortage.



#### WARNING:



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

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

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 05 and 06 and instruction on how to shorten/install the cord on page 11.

14. Raise CANOPY and secure to ceiling by threading the FINIAL to the GRIPLOCK until fully seated as shown in FIG. 28.

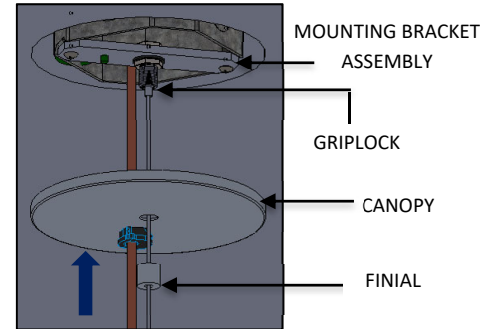


FIG. 28 - FINIAL INSTALLATION

15. Restore power to circuit the REV series pendant is connected to.

- Test to see that the luminaire turns on after power is restored.
- Contact OCL for any luminaire troubleshooting if a problem occurs.

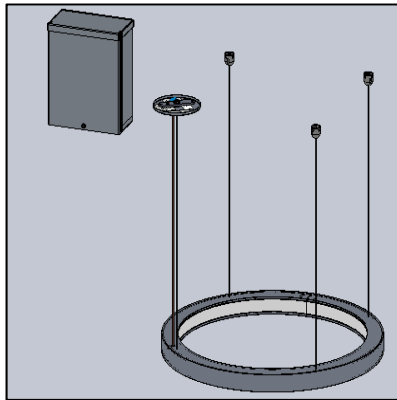


FIG. 29 - COMPLETED INSTALLATION OF REV PENDANT WITH P1EM HANGING SYSTEM RV1 (INNER ILLUMINATION) (SHOWN)

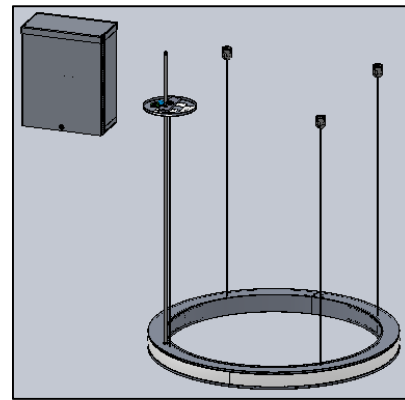


FIG. 30 - COMPLETED INSTALLATION OF REV PENDANT WITH P1EM HANGING SYSTEM RV2 (OUTER ILLUMINATION) (SHOWN)

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. 31 and 32 below for both RV1 and RV2 Series.

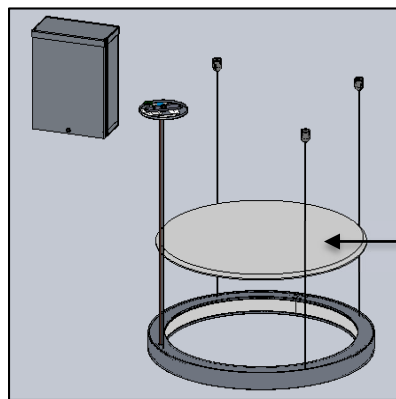


FIG. 31 - RV1 (INNER ILLUMINATION) (WITH ACOUSTIC PANEL SHOWN)

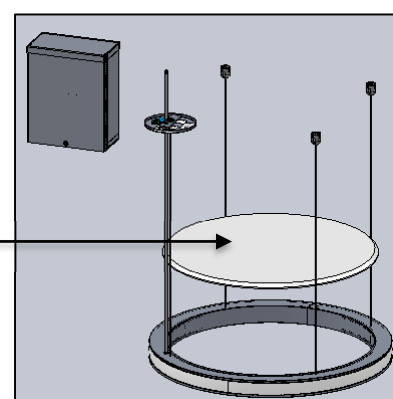


FIG. 32 - RV2 (OUTER ILLUMINATION) (WITH ACOUSTIC PANEL SHOWN)

OCL Architectural Lighting

Phone: 314.863.1895

Fax: 314.863.3278

[www.oclighting.com](http://www.oclighting.com)

## CORD INSTALLATION INSTRUCTIONS

- Strip off 1.00" of outer clear insulation exposing the outer metal braiding as shown in FIG. 33 below. **Be careful not to cut or damage the outer metal braiding.** Gently push braiding down to loosen the individual braids exposing the inner insulated wire as shown in FIG. 34 below.

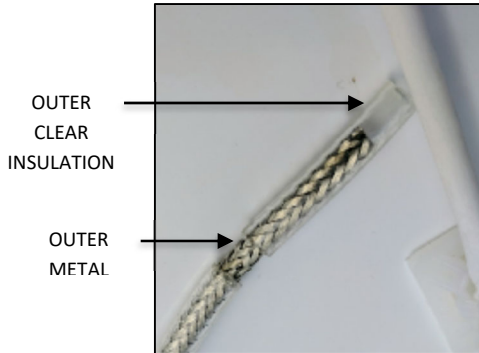


FIG. 33

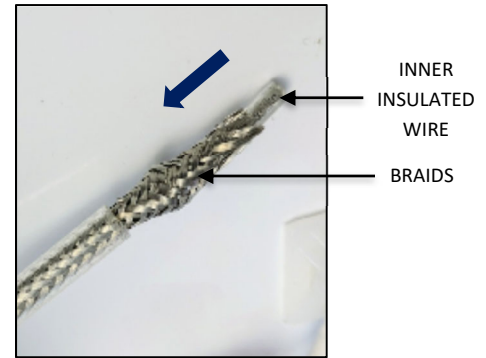


FIG. 34

- Using a small pointed object, begin unweaving the exposed metal braiding as shown in FIG. 35 below. Position the unwoven metal strands on one side of the inner insulated wire and twist the individual strands together as shown in FIG. 36 below.

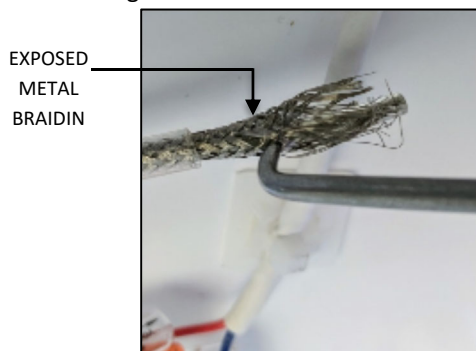


FIG. 35

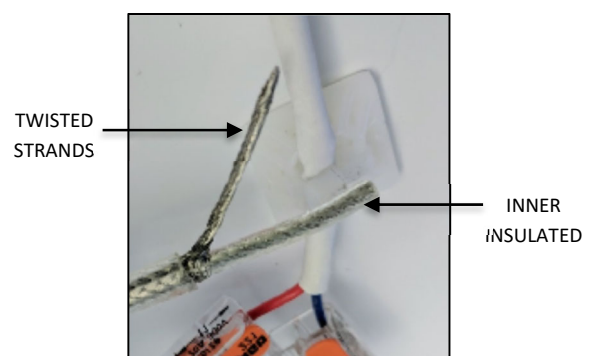


FIG. 36

- Using electrical tape, insulate the twisted strands leaving 0.188" exposed for connections. Strip off 0.188" of the inner insulation as you normally would for 18AWG stranded core wire as shown in FIG. 37 below. Connect the inner insulated wire (+) to the positive 16 gauge or larger wire ran in step 5 at the hanging bracket and Connect the outer braiding (-) to the negative 16 gauge or larger wire ran in step 5 at the hanging bracket FIG. 38 below.

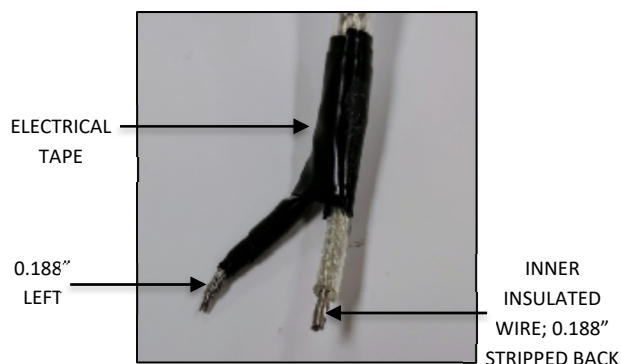


FIG. 37

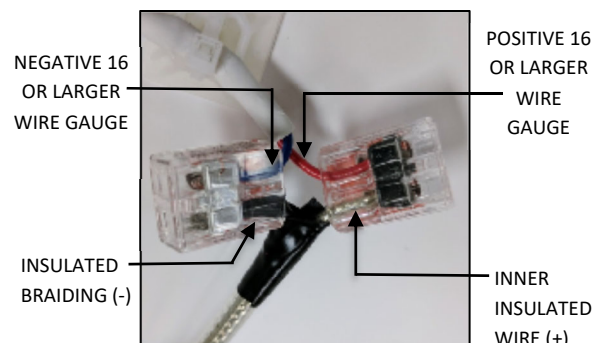


FIG. 38

OCL Architectural Lighting

Phone: 314.863.1895

Fax: 314.863.3278

[www.oclighting.com](http://www.oclighting.com)