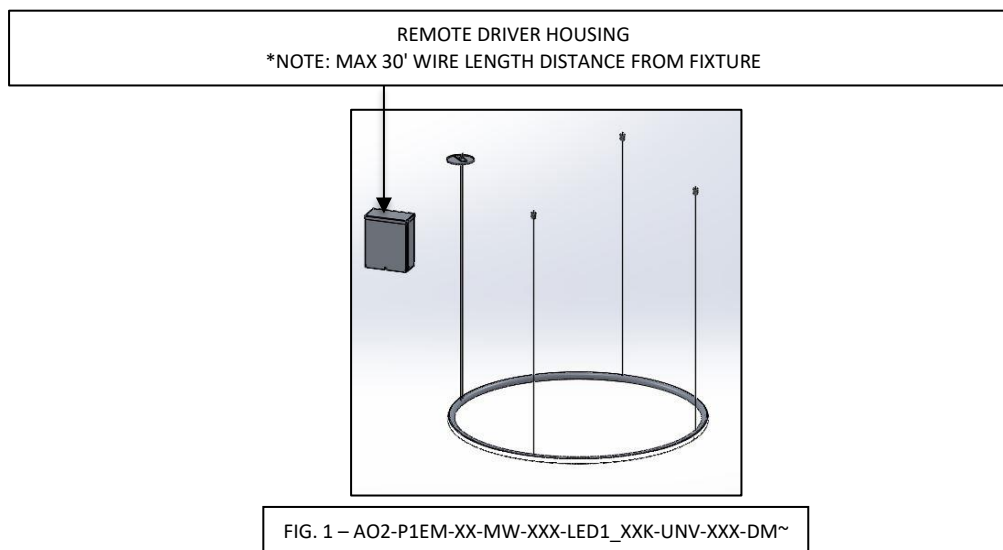


INSTALLATION INSTRUCTIONS

ARO PENDANT WITH P1EM HANGING SYSTEM

These instructions cover the ARO LUMINAIRE with the following options:

| SERIES | HANGING SYSTEM | SIZE | LIGHT SOURCE | CONTROL | WIRE DIAGRAM |
|-------------|--|------|--------------|--------------------|--------------------------|
| 1. AO2(ARO) | P1EM: PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY (REMOTE DRIVER) | 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 A ON PAGE 5 |
| | | 60" | STATIC WHITE | 0-10V DIM 1% (DM1) | WIRE DIAGRAM A ON PAGE 5 |
| | | 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.
- DO NOT LET THE ARO LUMINAIRE HANG FREE UNTIL ALL THE AIRCRAFT CABLES ARE SECURED AND EVENLY TENSIONED.
- KEEP HANDS AWAY FROM THE SILICON DIFFUSER. DO NOT TOUCH IT AT ALL TIMES.
- 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.

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GENERAL INFORMATION:

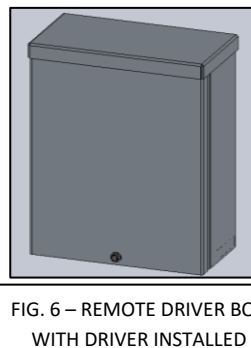
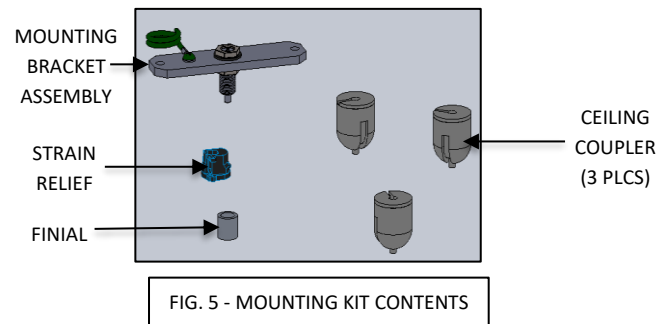
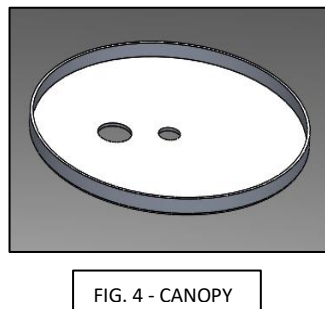
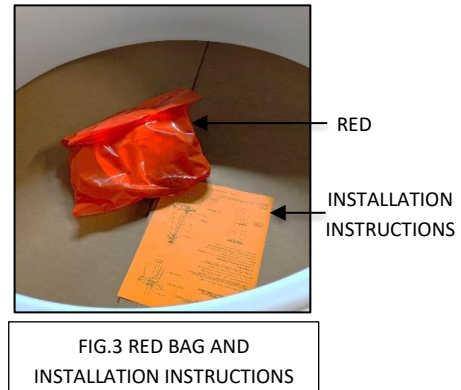
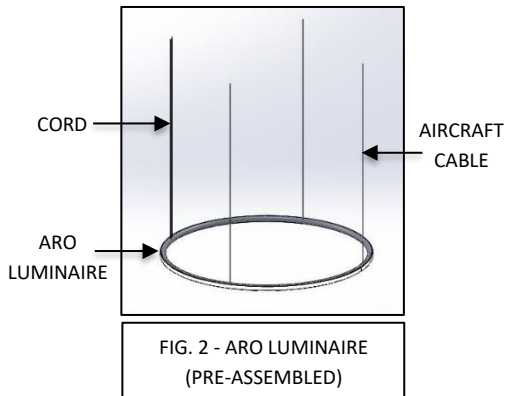
You will receive the following with each ARO P1EM series pendant fixture:

1. ARO LUMINAIRE with CORD and AIRCRAFT CABLE attached. (Pre-assembled as shown in FIG. 2)
2. INSTALLATION INSTRUCTIONS (shown in FIG. 3) - Please completely read the install instructions before starting installation.
3. RED BAG (shown in FIG. 3) contains below following items.
 - 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.



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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.

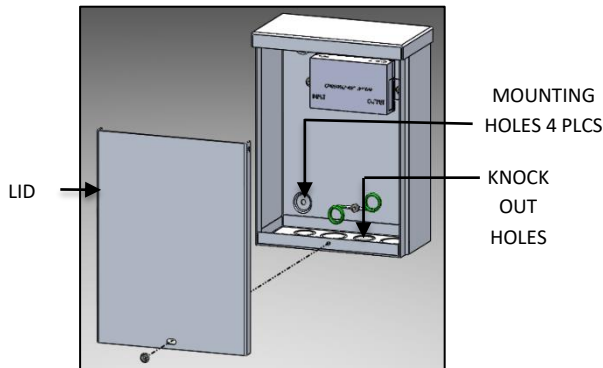


FIG. 7 – REMOTE DRIVER BOX ASSEMBLY FOR 24, 36, 48 AND 60 MODELS

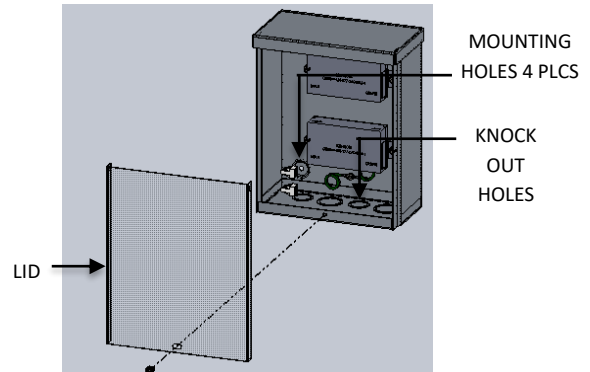


FIG. 8 – REMOTE DRIVER BOX ASSEMBLY FOR 72 MODEL

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 a 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 LED output (+) and positive 16 or larger gauge wire.
 - Driver LED output (-) and negative 16 or larger gauge wire.
 - Dimming wires as shown on the driver in FIG. 9 and FIG. 10 below.

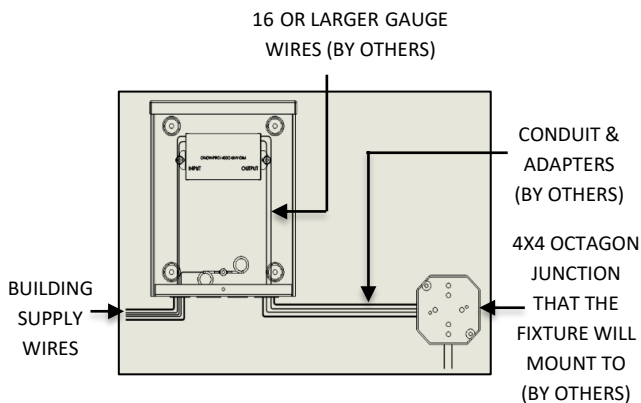


FIG. 9 – WIRE CONNECTION FROM BUILDING SUPPLY TO J-BOX FOR 24, 36, 48 AND 60 MODELS

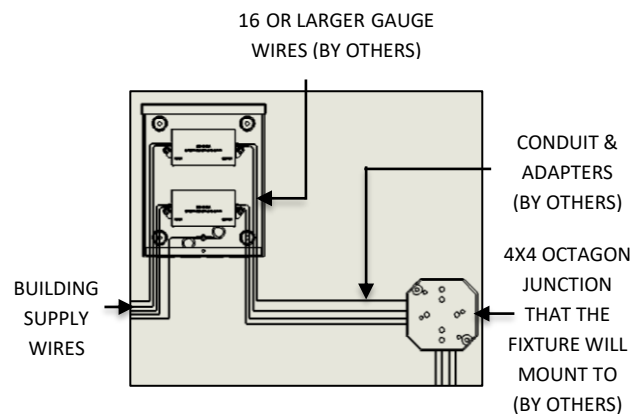


FIG. 10 – WIRE CONNECTION FROM BUILDING SUPPLY TO J-BOX FOR 72 MODEL

AO2-P1EM-INSTALLATION INSTRUCTIONS

- Connect building supply wires to the driver. Make all wire connections in accordance with the national electrical code and all applicable local and state codes. Refer WIRE DIAGRAM TABLE for corresponding WIRE DIAGRAM connections. 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.AO2(ARO) | P1EM | 24" | STATIC WHITE | LED1 | 0-10V DIM 1% (DM1) | WIRE DIAGRAM A ON PAGE 5 |
| | P1EM | 36" | STATIC WHITE | LED1 | 0-10V DIM 1% (DM1) | WIRE DIAGRAM A ON PAGE 5 |
| | P1EM | 48" | STATIC WHITE | LED1 | 0-10V DIM 1% (DM1) | WIRE DIAGRAM A ON PAGE 5 |
| | P1EM | 60" | STATIC WHITE | LED1 | 0-10V DIM 1% (DM1) | WIRE DIAGRAM A ON PAGE 5 |
| | P1EM | 72" | STATIC WHITE | LED1 | 0-10V DIM 1% (DM1) | WIRE DIAGRAM B ON PAGE 6 |

WIRE DIAGRAM A (FOR 24", 36", 48" AND 60"):

- Connect building supply wires to the driver as per connections shown in FIG. 11.
- Connect the Fixture Cord wires as per WIRE LABEL TABLE as shown in FIG. 12 and refer WIRE DIAGRAM as shown in FIG.13 below for exact wire connections.

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

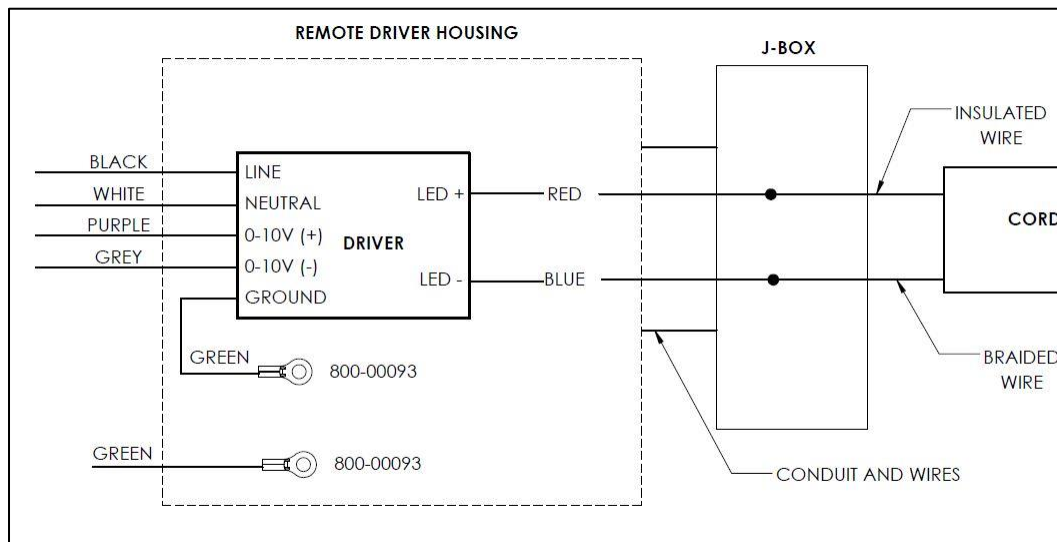


FIG. 13 – WIRE DIAGRAM FOR 24", 36", 48" AND 60" MODELS

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AO2-P1EM-INSTALLATION INSTRUCTIONS

WIRE DIAGRAM B (FOR 72"):

9. Connect building supply wires to the driver as per connections shown in FIG. 14.
10. Connect the Fixture Cord wires as per WIRE LABEL TABLE as shown in FIG. 15 and refer WIRE DIAGRAM as shown in FIG. 16 below for exact wire connections.

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 | INSULATED WIRE | DRIVER 1 LED+ |
| ALL | BRAIDED WIRE | DRIVER 1 LED- |
| ALL | INSULATED WIRE | DRIVER 2 LED+ |
| ALL | BRAIDED WIRE | DRIVER 2 LED- |

FIG. 15 – WIRE CONNECTION FROM
BUILDING SUPPLY TO DRIVER

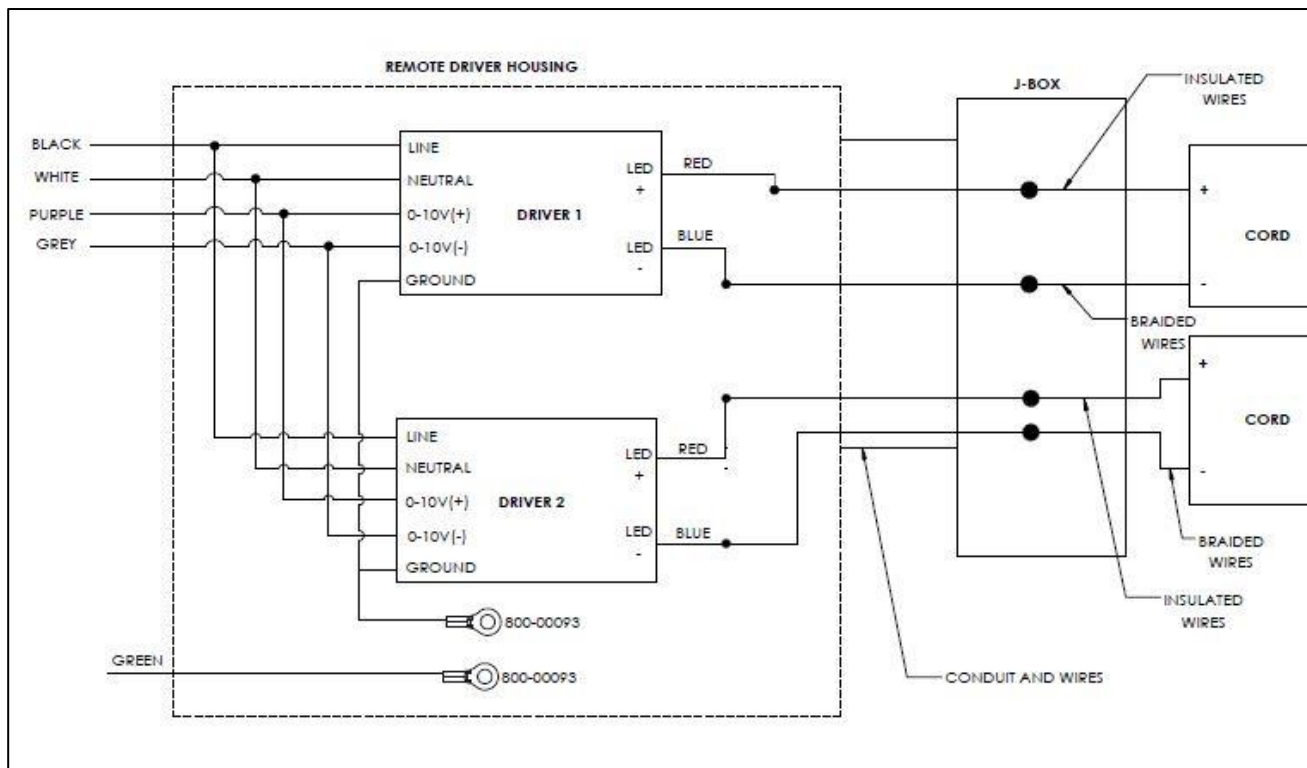


FIG. 16 – WIRE DIAGRAM FOR 72" MODEL

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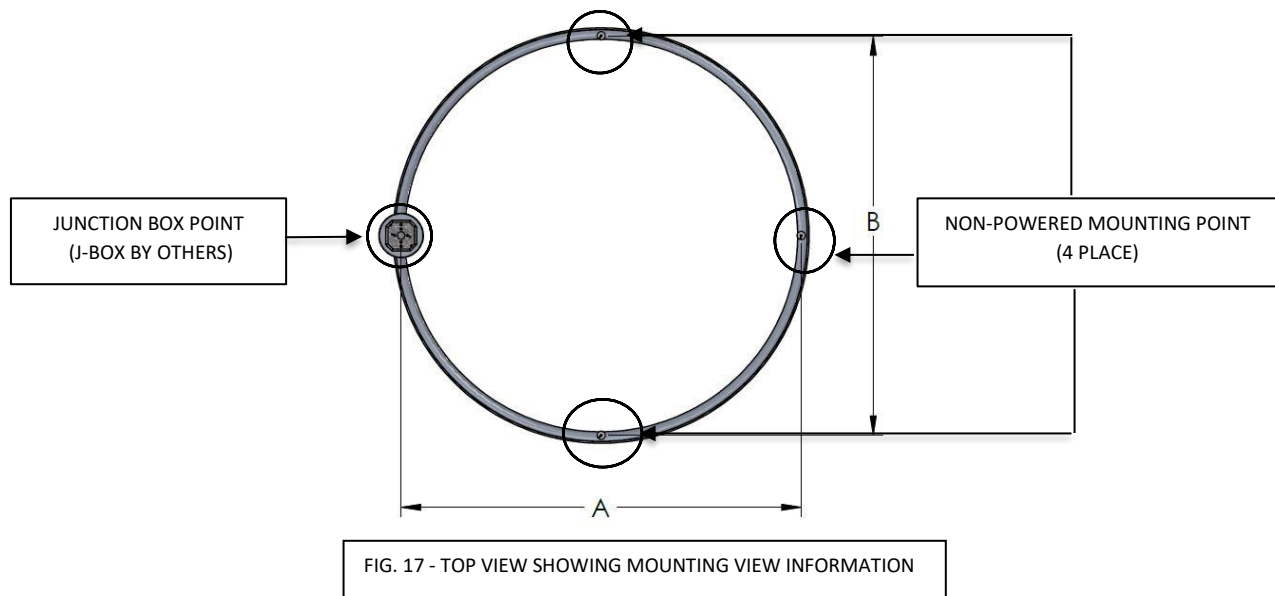
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MOUNTING:

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

| AO2 MOUNTING INFORMATION TABLE | | | | | | |
|---|------------------|----------------|-------------------|--------|----------------|-------------|
| SERIES | FIXTURE DIAMETER | FIXTURE WEIGHT | MOUNTING DISTANCE | | MOUNTING POINT | MIN/MAX OAH |
| | | | A | B | | |
|  AO2(ARO) | 24" | 10LBS | 20.75" | 20.75" | 4 | 5"/144" |
| | 36" | 15LBS | 32.75" | 32.75" | 4 | 5"/144" |
| | 48" | 20LBS | 45.00" | 45.00" | 4 | 5"/144" |
| | 60" | 25LBS | 56.25" | 56.25" | 4 | 5"/144" |
| | 72" | 30LBS | 67.75" | 67.75" | 4 | 5"/144" |



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

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

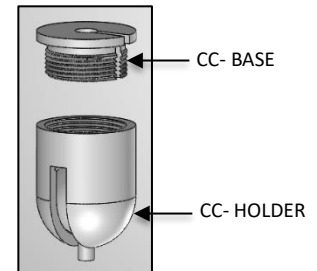


FIG. 18 - CEILING COUPLER ASSEMBLY

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ARO 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.

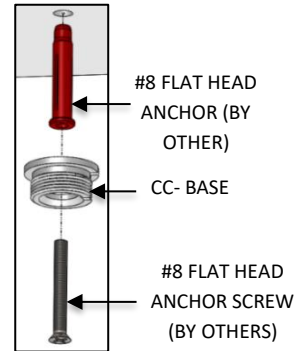


FIG. 19- HARD CEILING
INSTALLATION

ARO 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.

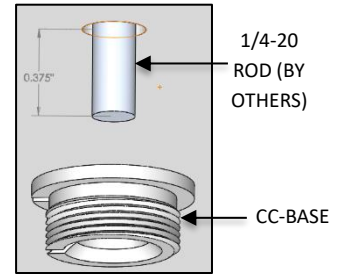


FIG. 20 - GRID CEILING
INSTALLATION

ARO MOUNTING [NON-POWERED POINT AIRCRAFT CABLE]:

- Locate the AIRCRAFT CABLE mounted to the ARO 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.

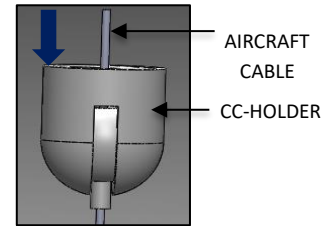


FIG. 21 - SS ROPE CABLE
INSTALLATION

ARO 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.

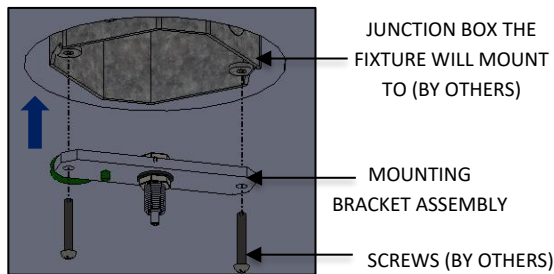


FIG. 22 - MOUNTING BRACKET
ASSEMBLY INSTALLATION

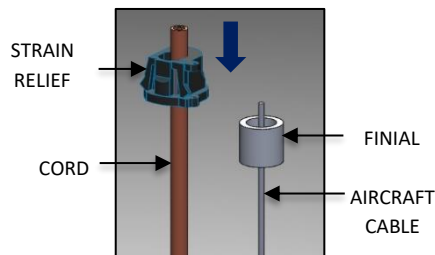


FIG. 23 - STRAIN RELIEF
AND FINIAL INSTALLATION

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AO2-P1EM-INSTALLATION 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. 24.

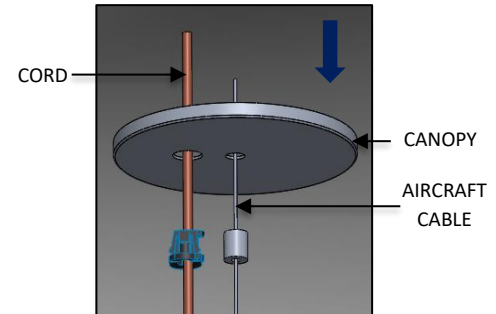


FIG. 24 – CANOPY PLATE
INSTALLATION

12. Raise the ARO 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 anything shorts.

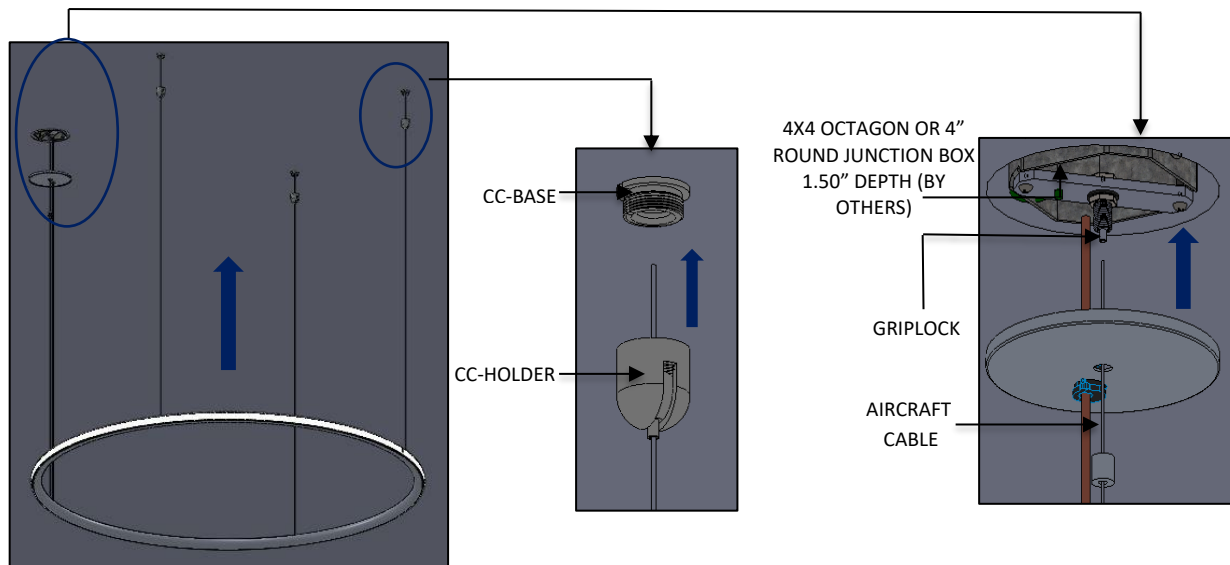


FIG. 25 - INSTALLATION VIEW

FIG. 26 – COUPLER DETAIL VIEW

FIG. 27 – CANOPY DETAIL VIEW

WARNING:



Do not let the ARO LUMINAIRE hang free until all the AIRCRAFT CABLES are secured and evenly tensioned.

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AO2-P1EM-INSTALLATION 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.

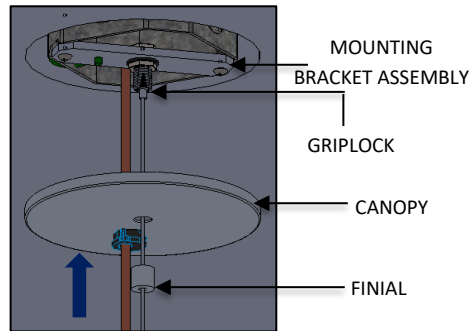


FIG. 28- FINIAL INSTALLATION

15. Restore power to circuit the ARO 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.

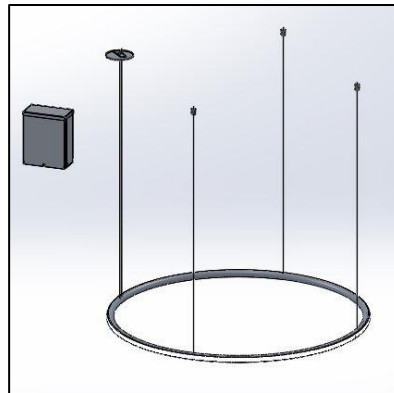


FIG. 29 - COMPLETED INSTALLATION OF AO2 PENDANT WITH P1EM HANGING SYSTEM

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CORD INSTALLATION INSTRUCTIONS

- Strip off 1.00" of outer clear insulation exposing the outer metal braiding as shown in FIG. 30 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. 31 below.

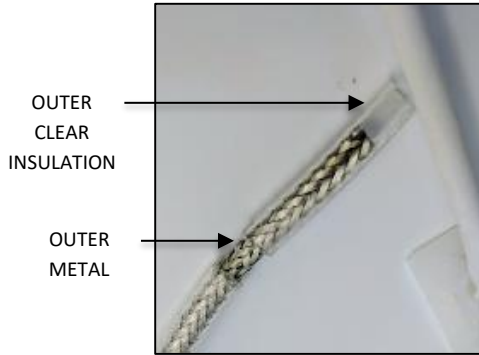


FIG. 30

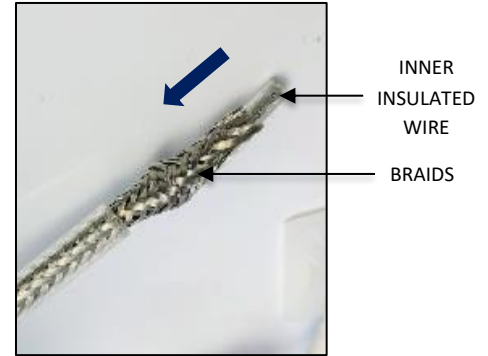


FIG. 31

- Using a small pointed object, begin unweaving the exposed metal braiding as shown in FIG. 32 below. Position the unwoven metal strands on one side of the inner insulated wire and twist the individual strands together as shown in FIG. 33 below.

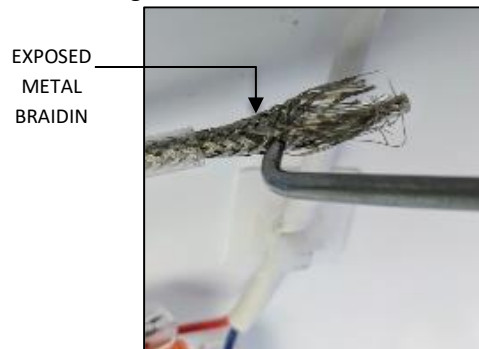


FIG. 32

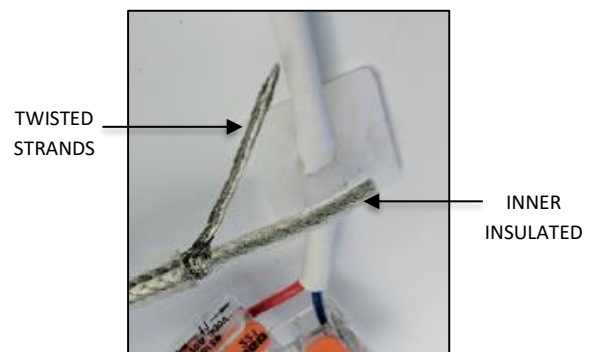


FIG. 33

- 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. 34 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. 35 below.

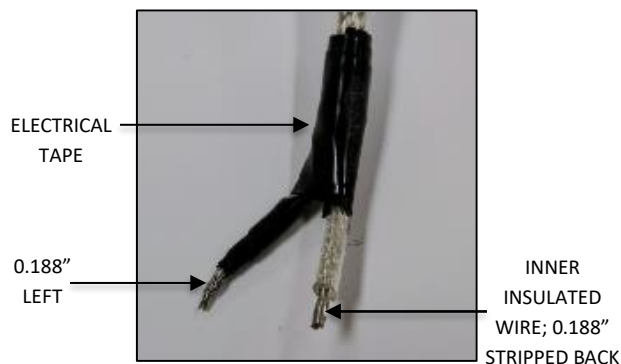


FIG. 34

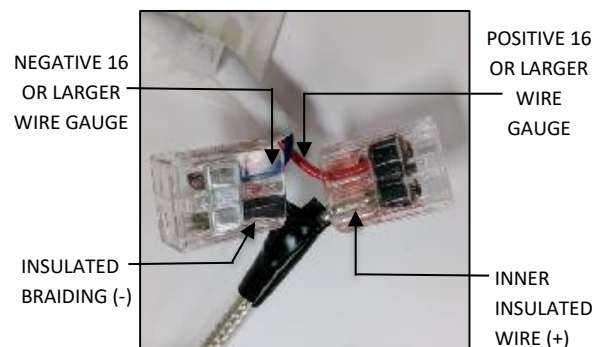


FIG. 35

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