

INSTALLATION INSTRUCTIONS

ARO PENDANT WITH P1DA HANGING SYSTEM

These instructions cover the ARO LUMINAIRE with the following options:

SERIES	HANGING SYSTEM	SIZE	LIGHT SOURCE	CONTROL	WIRE DIAGRAM
1. AO2(ARO)	P1DA: PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY WITH INTEGRAL DRIVER	24"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 7
		36"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 7
		48"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 7
		60"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 7
		72"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM B ON PAGE 8



FIG. 1 - AO2-P1DA-XX-MW-XXX-LED1_XXK-UNV-XXX-DM~

GENERAL NOTES:

1. PLEASE COMPLETELY READ THE INSTALL INSTRUCTIONS BEFORE STARTING INSTALLATION.
2. TURN OFF POWER TO CIRCUIT FIXTURE WHILE IT IS BEING INSTALLED.
3. INSTALL IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES CONSULT WITH A QUALIFIED ELECTRICIAN FOR PROPER INSTALLATION.
4. 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.
5. DO NOT LET THE ARO LUMINAIRE HANG FREE UNTIL ALL THE AIRCRAFT CABLES ARE SECURED AND EVENLY TENSIONED.
6. KEEP HANDS AWAY FROM THE SILICON DIFFUSER. DO NOT TOUCH IT AT ALL TIMES.

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Table of Contents

GENERAL INFORMATION:	3
MOUNTING:.....	4
ARO MOUNTING [HARD CEILING]:.....	5
ARO MOUNTING [GRID CEILING]:	5
ARO MOUNTING [NON-POWERED POINT AIRCRAFT CABLE]:	5
ARO MOUNTING [CANOPY]:	6
CORD INSTALLATION INSTRUCTIONS	11

GENERAL INFORMATION:

You will receive the following with each ARO P1DA 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. FOUR (4) CEILING COUPLER (CC) (as shown in FIG. 5)
4. CANOPY SUBASSEMBLY (as shown in FIG. 4)

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.

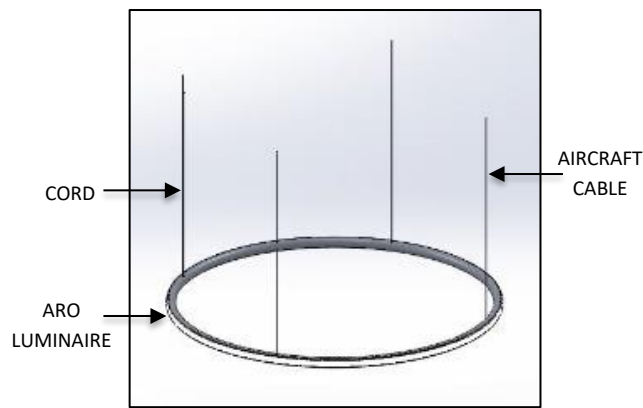


FIG. 2 - ARO LUMINAIRE (PRE-ASSEMBLED)

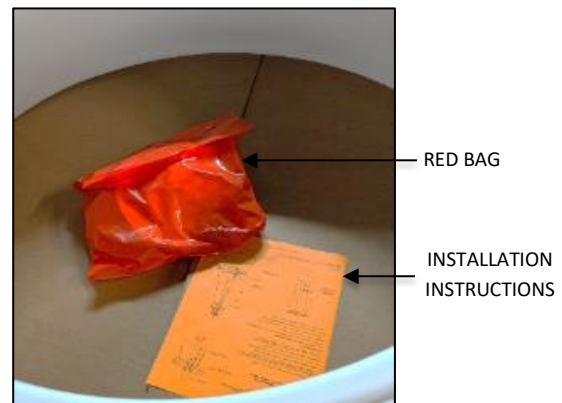


FIG. 3 RED BAG AND INSTALLATION INSTRUCTIONS

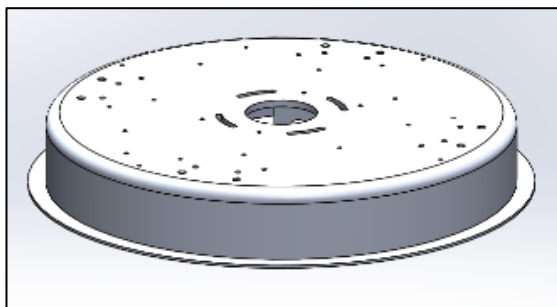


FIG. 4 - CANOPY

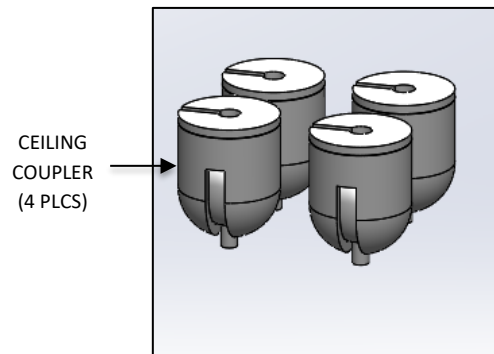



FIG. 5 - RED BAG CONTENTS

AO2-P1DA-INSTALLATION INSTRUCTIONS

MOUNTING:

1. Mark location for the NON-POWERED MOUNTING POINT according to the MOUNTING INFORMATION TABLE and FIG. 6 below.

AO2 MOUNTING INFORMATION TABLE						
SERIES	FIXTURE DIAMETER	FIXTURE WEIGHT	MOUNTING DISTANCE		MOUNTING POINT	MIN/MAX OAH
			A	B		
 AO2(ARO)	24"	10LBS	20.75"	10.375"	4	5"/144"
	36"	15LBS	32.75"	16.375"	4	5"/144"
	48"	20LBS	45.00"	22.500"	4	5"/144"
	60"	25LBS	56.25"	28.125"	4	5"/144"
	72"	30LBS	67.75"	33.875"	4	5"/144"

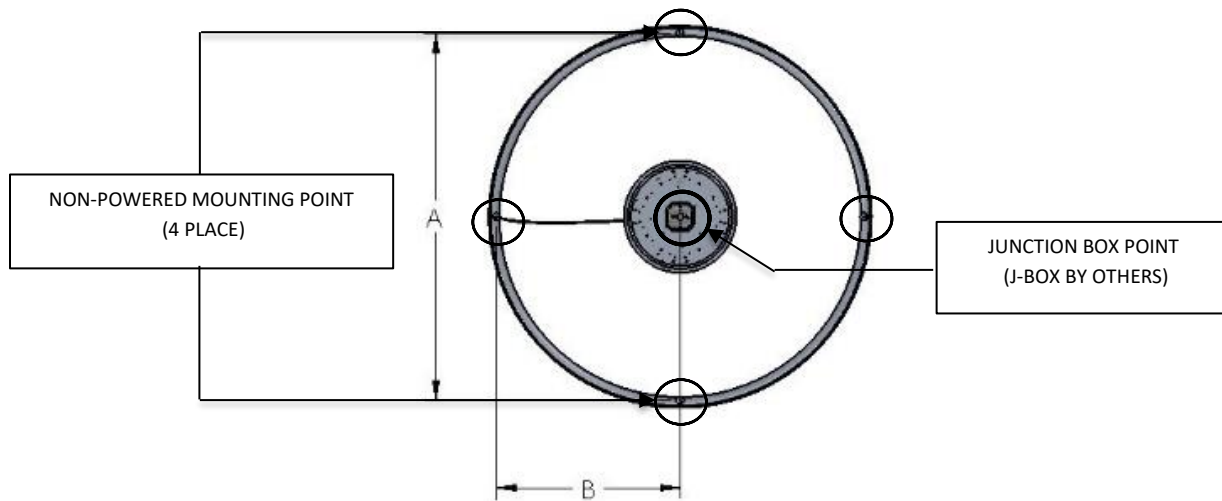


FIG. 6 - TOP VIEW SHOWING MOUNTING VIEW INFORMATION

2. Dis-assemble the CEILING COUPLER into two components CC-BASE, CC-HOLDER as shown in FIG. 7.

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

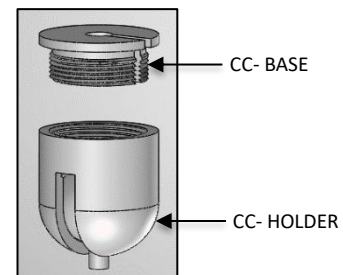


FIG. 7 - CEILING COUPLER ASSEMBLY

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ARO MOUNTING [HARD CEILING]:

3. 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 4).

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

4. 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. 8.

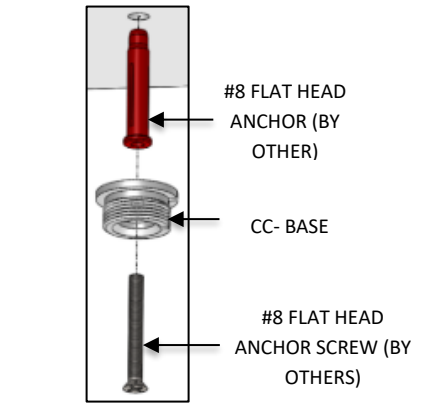


FIG. 8- HARD CEILING INSTALLATION

ARO MOUNTING [GRID CEILING]:

5. For grid ceiling install 1/4-20 ROD (by others) at the non-powered mounting location as per the mounting information chart (page 4). 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.

6. 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. 9.

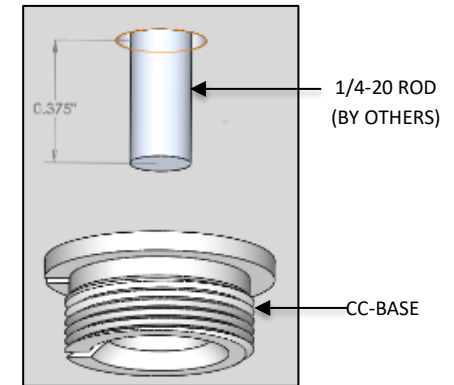


FIG. 9 – GRID CEILING INSTALLATION

ARO MOUNTING [NON-POWERED POINT AIRCRAFT CABLE]:

7. Locate the AIRCRAFT CABLE mounted to the ARO fixture.
8. Feed the AIRCRAFT CABLES through the CC-HOLDERS. Adjust the AIRCRAFT CABLE to the desired length and place it aside as shown in FIG. 10.

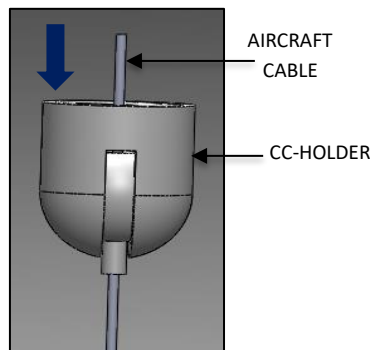


FIG. 10 – SS ROPE CABLE INSTALLATION

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AO2-P1DA-INSTALLATION INSTRUCTIONS

ARO MOUNTING [CANOPY]:

9. Dis-assemble the FINIAL and the CANOPY PLATE from the CANOPY ASSEMBLY as shown in FIG. 11 below.

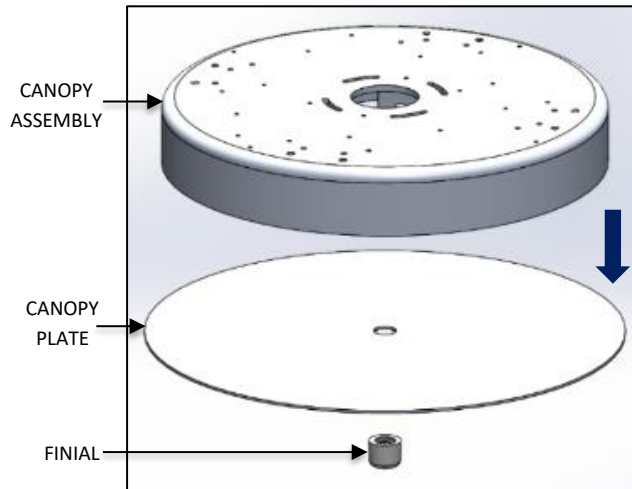


FIG. 11 – CANOPY DIS-ASSEMBLY

10. Assemble the CANOPY ASSEMBLY to the JUNCTION BOX (by others) with screws (by others) at the center of the non-powered mounting points as shown in FIG. 12 below.

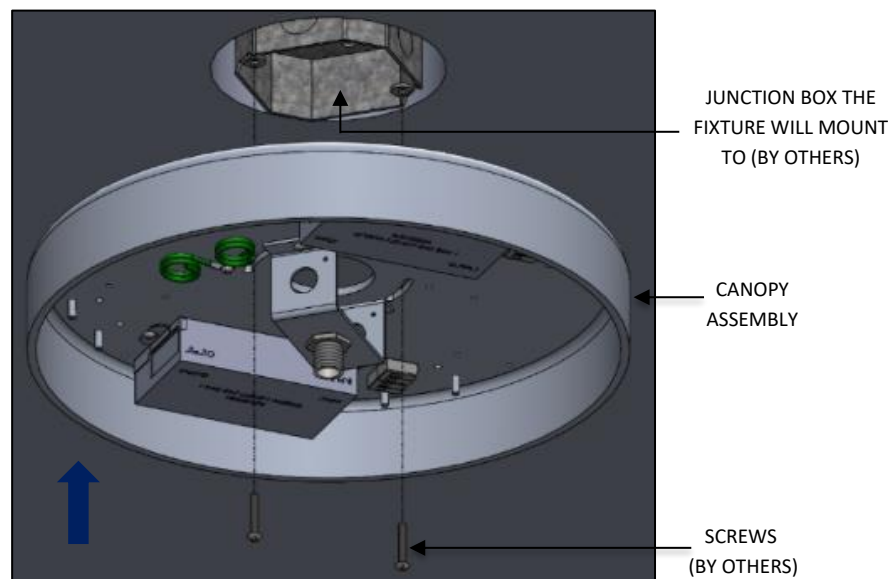


FIG. 12 – CANOPY ASSEMBLY INSTALLATION

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AO2-P1DA-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.

WIRE DIAGRAM TABLE						
SERIES	HANGING SYSTEM	BODY SIZE	LIGHT SOURCE	LED OUTPUT	CONTROL	WIRE DIAGRAM
1. AO2(ARO)	P1DA	24"	STATIC WHITE	LED1	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 7
	P1DA	36"	STATIC WHITE	LED1	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 7
	P1DA	48"	STATIC WHITE	LED1	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 7
	P1DA	60"	STATIC WHITE	LED1	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 7
	P1DA	72"	STATIC WHITE	LED1	0-10V DIM 1% (DM1)	WIRE DIAGRAM B ON PAGE 8

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

- Connect building supply wires to the driver as per connections shown in FIG. 13.
- Connect the Fixture Cord wires as per WIRE LABEL TABLE and refer WIRE DIAGRAM as shown in FIG. 14 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. 13 – WIRE CONNECTION FROM BUILDING SUPPLY TO DRIVER

WIRE LABEL TABLE

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

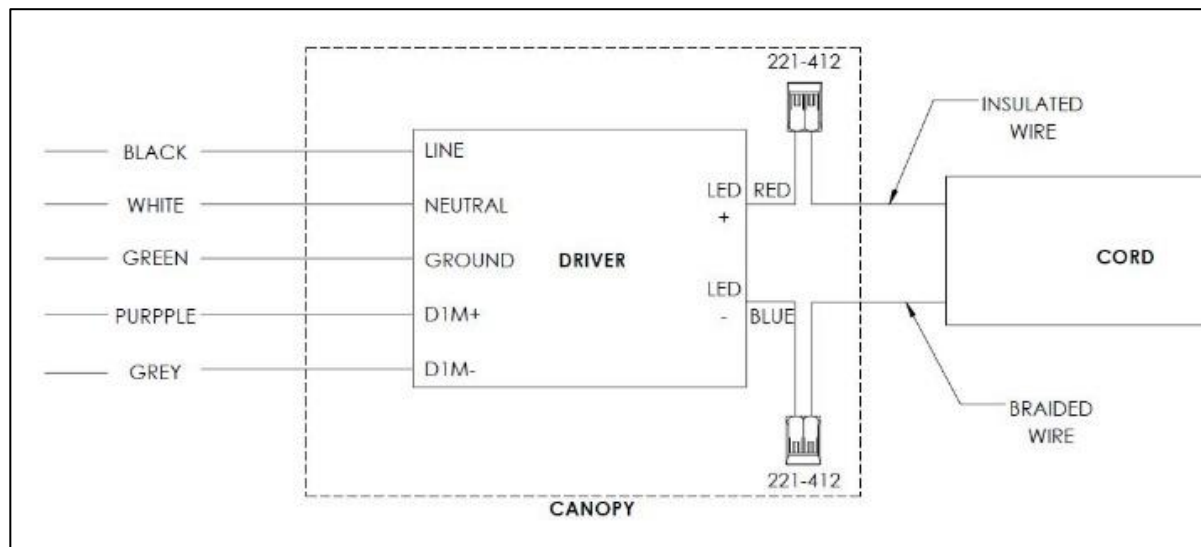


FIG. 14 – WIRE DIAGRAM FOR 24", 36", 48" AND 60" MODELS

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AO2-P1DA-INSTALLATION INSTRUCTIONS

WIRE DIAGRAM B (FOR 72"):

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

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-

DRIVER WIRES TO BUILDING SUPPLY

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

FIG. 15 – WIRE CONNECTION FROM BUILDING SUPPLY TO DRIVER

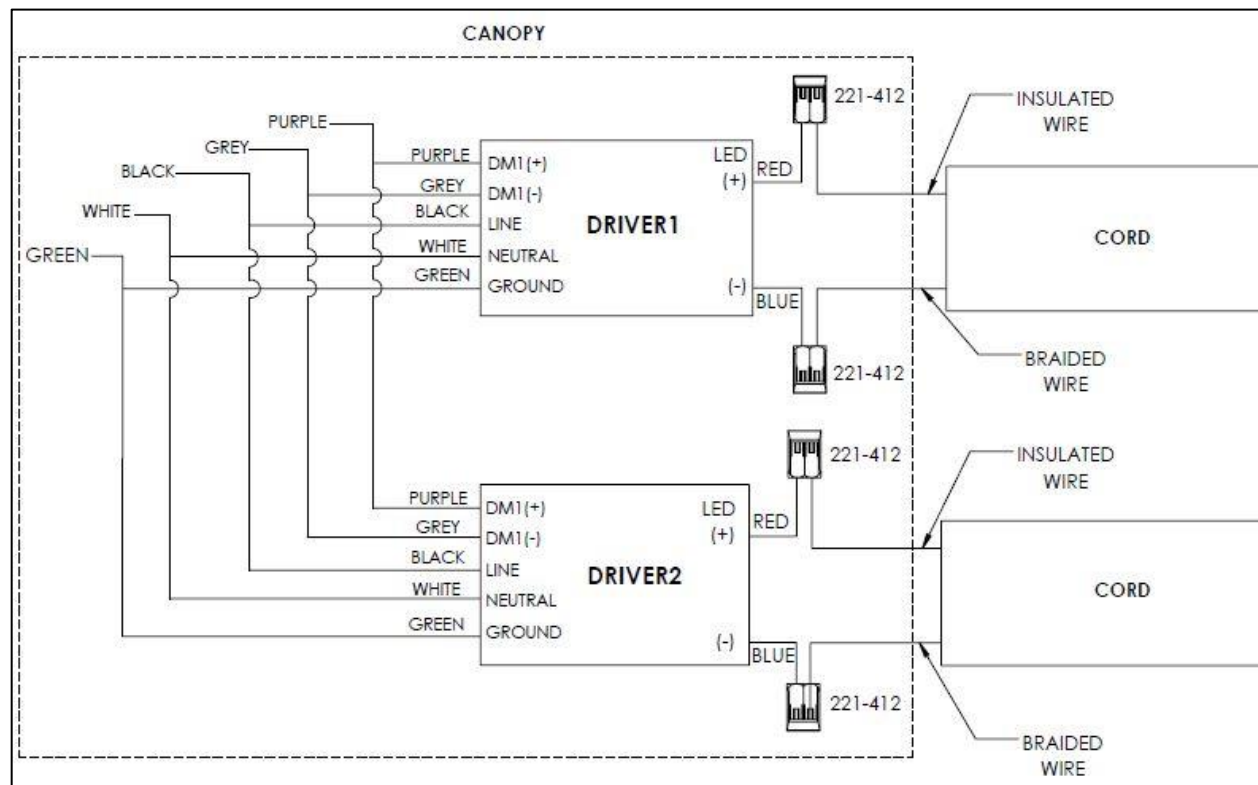


FIG. 16 – WIRE DIAGRAM FOR 72" MODEL

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AO2-P1DA-INSTALLATION INSTRUCTIONS

12. Pass the FINIAL and the CANOPY PLATE through the CORD as shown in FIG. 17 below.

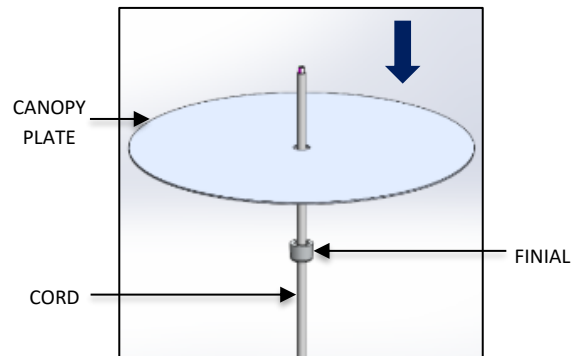


FIG. 17 – CANOPY PLATE
AND FINIAL INSTALLATION

13. 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. 18 & 19 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.

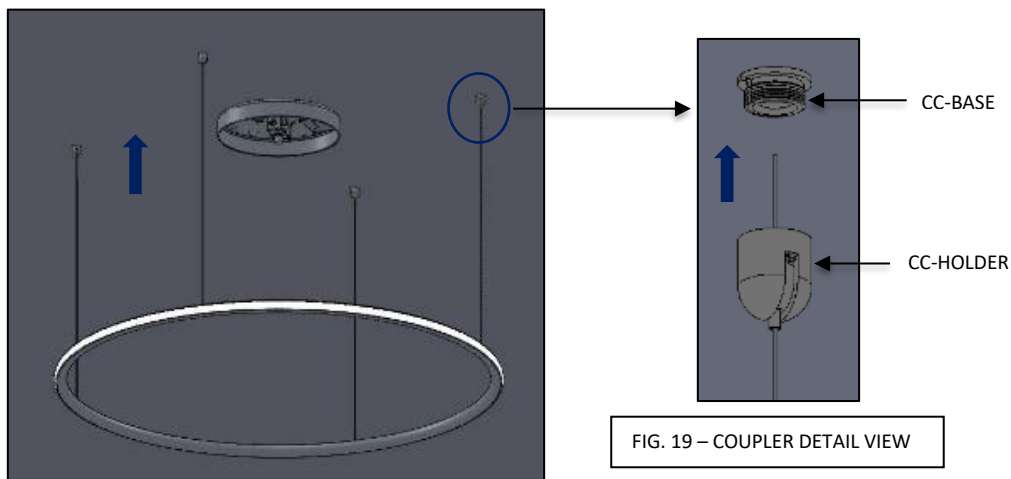


FIG. 18 - INSTALLATION VIEW

FIG. 19 – COUPLER DETAIL VIEW

WARNING:



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

14. Make all CORD connections inside the CANOPY in accordance with the NATIONAL ELECTRICAL CODE and all applicable local and state codes. See wire diagram on page 07 and 08 and instruction on how to shorten/install the cord on page 11.

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AO2-P1DA-INSTALLATION INSTRUCTIONS

15. Raise CANOPY PLATE and secure to ceiling by threading the FINIAL until fully seated as shown in FIG. 20.

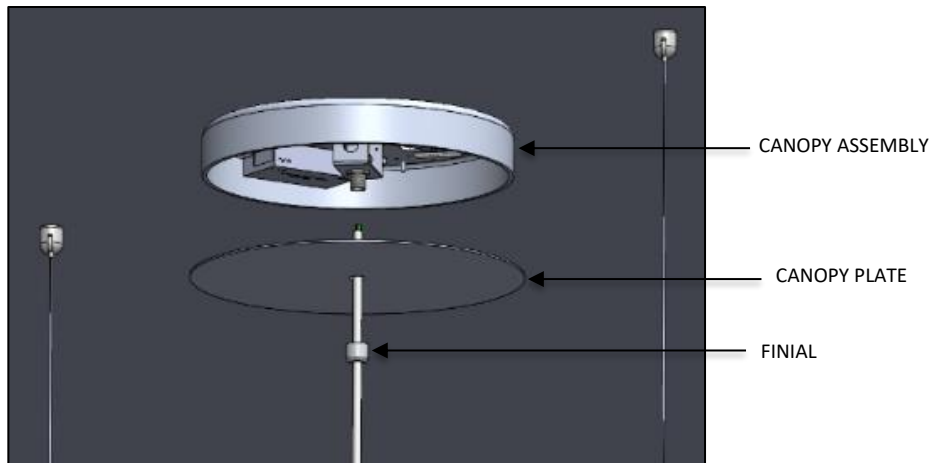


FIG. 20 - FINIAL INSTALLATION

16. Restore power to circuit the ARO 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. 21 - COMPLETED INSTALLATION OF ARO2 PENDANT WITH P1DA HANGING SYSTEM

CORD INSTALLATION INSTRUCTIONS

1. Strip off 1.00" of outer clear insulation exposing the outer metal braiding as shown in FIG. 22 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. 23 below.

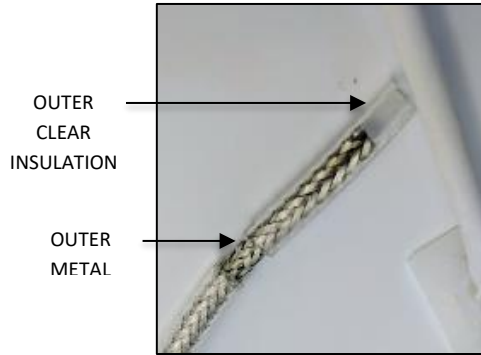


FIG. 22

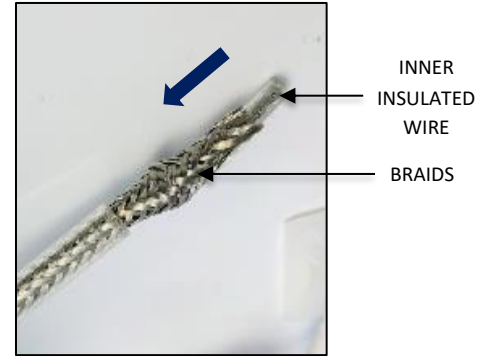


FIG. 23

2. Using a small pointed object, begin unweaving the exposed metal braiding as shown in FIG. 24 below. Position the unwoven metal strands on one side of the inner insulated wire and twist the individual strands together as shown in FIG. 25 below.

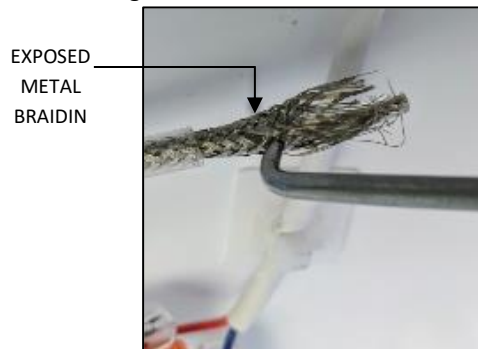


FIG. 24

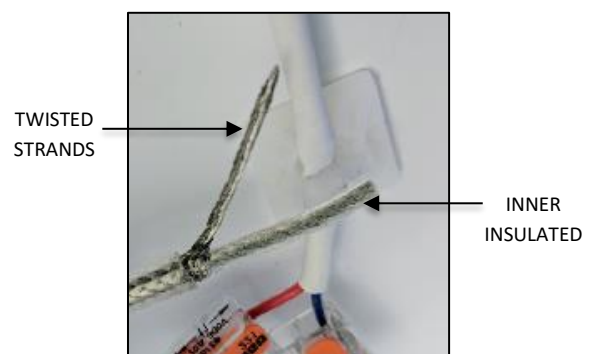


FIG. 25

3. 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. 26 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. 27 below.

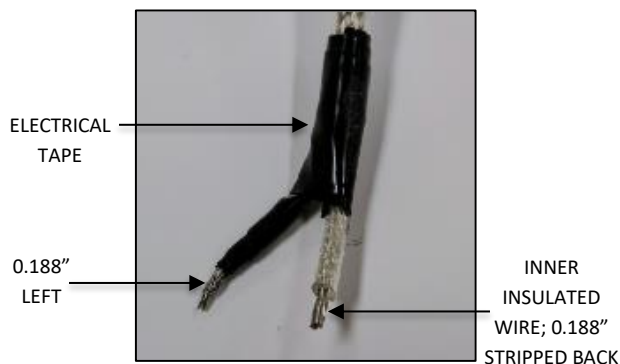


FIG. 26

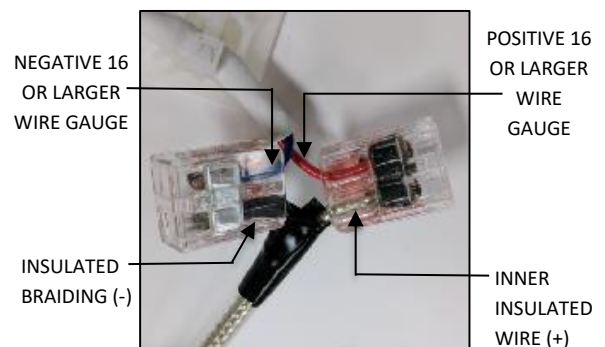


FIG. 27

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