

## INSTALLATION INSTRUCTIONS NOVA PENDANT WITH P1FI HANGING SYSTEM

These instructions cover the NOVA Luminaire with the following options:

SERIES	HANGING SYSTEM	SIZE	LIGHT SOURCE	CONTROL	WIRE DIAGRAM
NO1 : NOVA	P1FI: PENDANT WITH 5" FLAT CANOPY, SINGLE CENTER AIRCRAFT CABLE AND SILVER POWER CORD; REMOTE DRIVER ENCLOSURE	18"	STATIC WHITE	DM1 / DM3	WIRE DIAGRAM ON PAGE 5
		24"	STATIC WHITE	DM1 / DM3	WIRE DIAGRAM ON PAGE 5
		36"	STATIC WHITE	DM1 / DM3	WIRE DIAGRAM ON PAGE 5

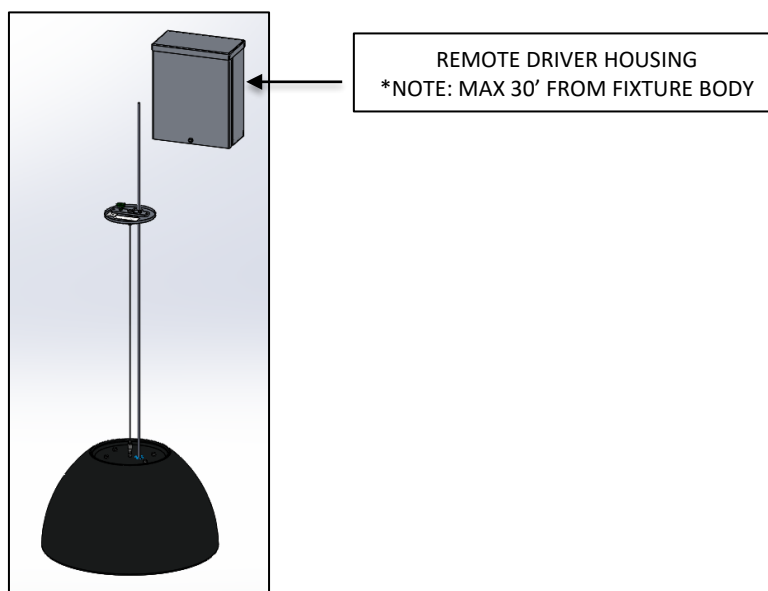


FIG. 1 - NO1-P1FI-XX-MW-XXX-LEDX\_XXK-UNV-XXX-DM~ (SHOWN)

### GENERAL NOTES:

1. PLEASE COMPLETELY READ THE INSTALL INSTRUCTIONS BEFORE STARTING INSTALLATION.
2. INSTALL IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES CONSULT WITH A QUALIFIED ELECTRICIAN FOR PROPER INSTALLATION.
3. 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.
4. 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.
5. DO NOT LET THE LINER LUMINAIRE HANG FREE UNTIL BOTH 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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## NO1-P1FI-INSTALLATION-INSTRUCTIONS

### GENERAL INFORMATION:

You will receive the following with each NOVA series pendant fixture:

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

**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.**

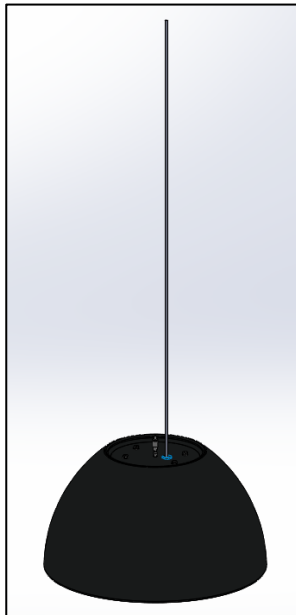


FIG. 2 – NOVA LUMINAIRE  
(PRE-ASSEMBLED)

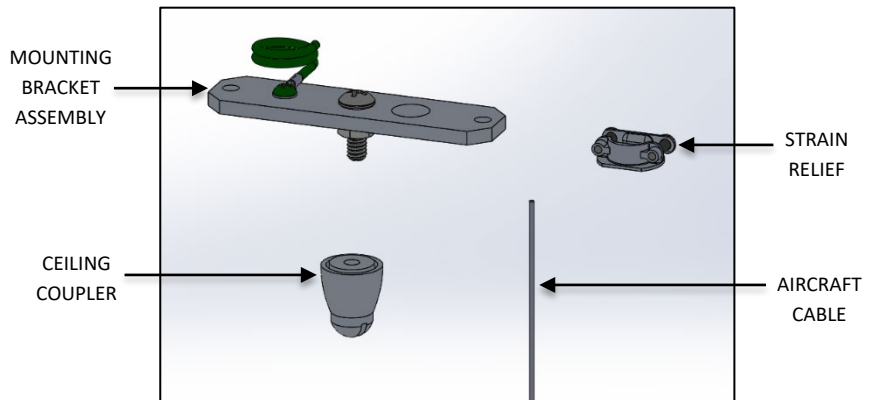


FIG. 4 – MOUNTING KIT

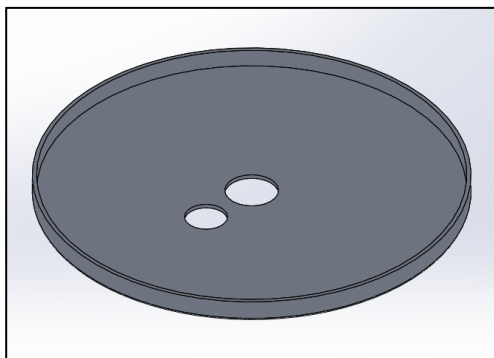


FIG. 3 - CANOPY

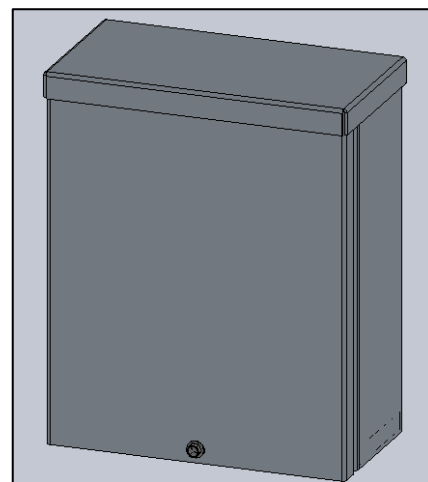


FIG. 5 – REMOTE DRIVER BOX  
WITH DRIVER INSTALLED

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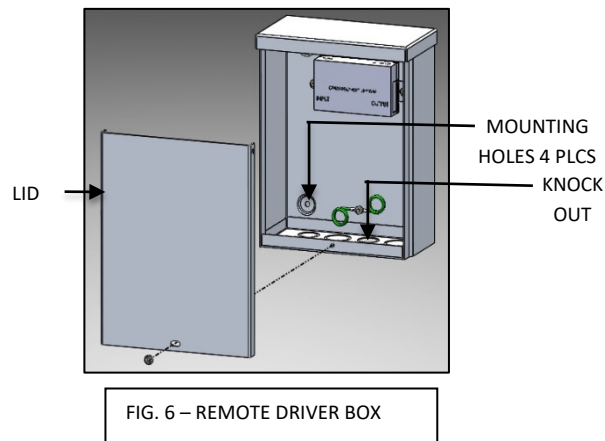
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## NO1-P1FI-INSTALLATION-INSTRUCTIONS

### REMOTE DRIVER MOUNTING:

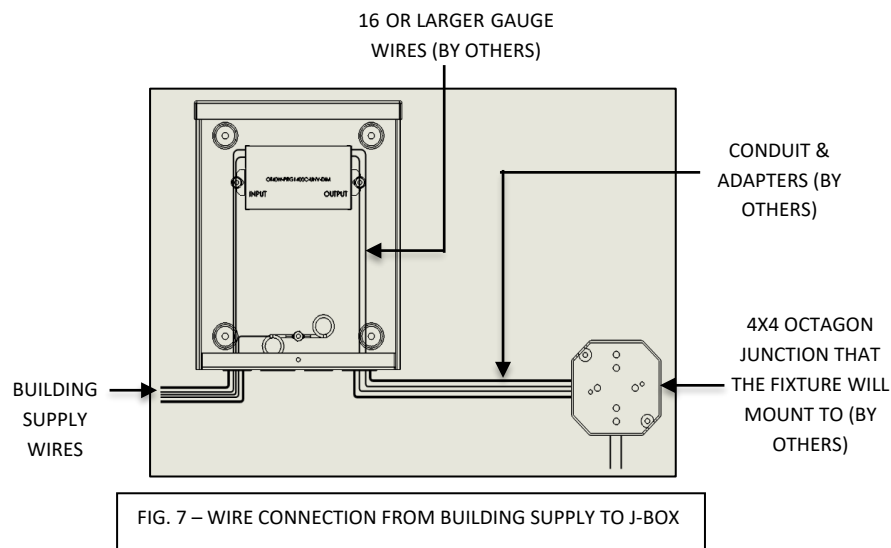
1. Shut off power.
2. Remove the lid of the REMOTE DRIVER HOUSING as shown in FIG. 6 below.



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 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. 7 below.



## NO1-P1FI-INSTALLATION-INSTRUCTIONS

6. 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	BODYLIGHT SOURCE	LED OUTPUT	CONTROL	WIRE DIAGRAM
NO1 : NOVA	P1FI	18"	STATIC WHITE	LED1, LED2, LED3, LED4 & LED5	DM1 / DM3	WIRE DIAGRAM ON PAGE 5
	P1FI	24"	STATIC WHITE	LED1, LED2, LED3, LED4 & LED5	DM1 / DM3	WIRE DIAGRAM ON PAGE 5
	P1FI	36"	STATIC WHITE	LED1, LED2, LED3, LED4 & LED5	DM1 / DM3	WIRE DIAGRAM ON PAGE 5

### WIRE DIAGRAM:

WIRE LABEL TABLE		
CONTROL	WIRE COLOR	LABEL
ALL	INSULATED(CORD)	LED(+)
ALL	BRAIDED(CORD)	LED(-)
ALL	BLACK	LINE VOLTAGE
ALL	WHITE	NEUTRAL
ALL	GREEN(DRIVER)	GROUND
ALL	RED(DRIVER)	LED(+)
ALL	BLUE(DRIVER)	LED(-)
DM1	PURPLE	0-10V (+)
DM1	GREY	0-10V (-)
DM3	PURPLE	E1
DM3	GREY	E2

FIG. 8 – WIRE LABEL TABLE

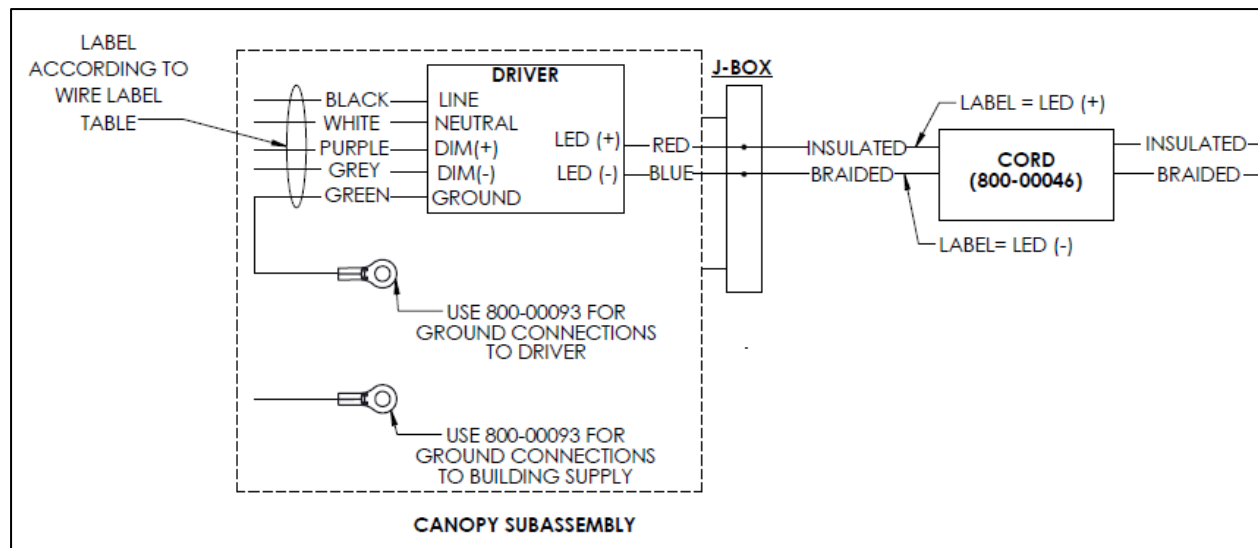


FIG. 9 – WIRE DIAGRAM FOR NO1-P1FI-XX-MW-XXX-LEDX\_XXK-UNV-XXX-DM~

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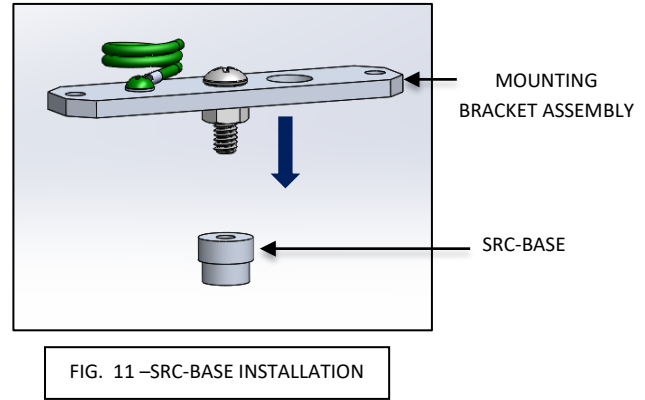
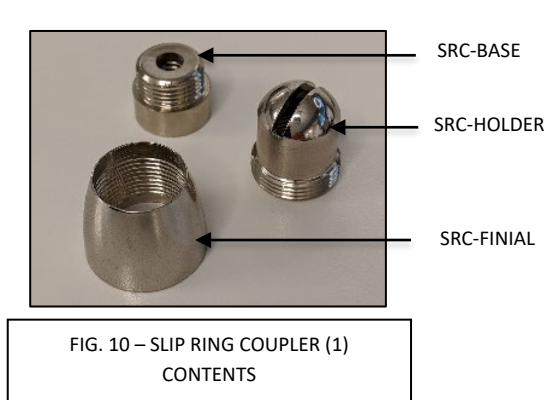
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## NO1-P1FI-INSTALLATION-INSTRUCTIONS

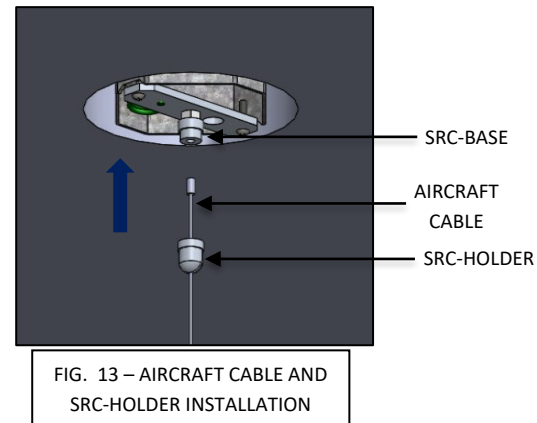
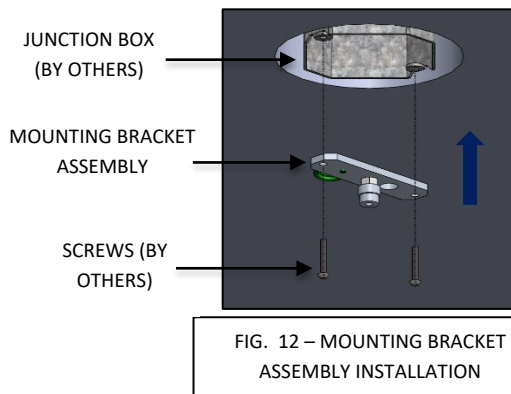
### NOVA MOUNTING:

#### NOVA MOUNTING [CANOPY]:

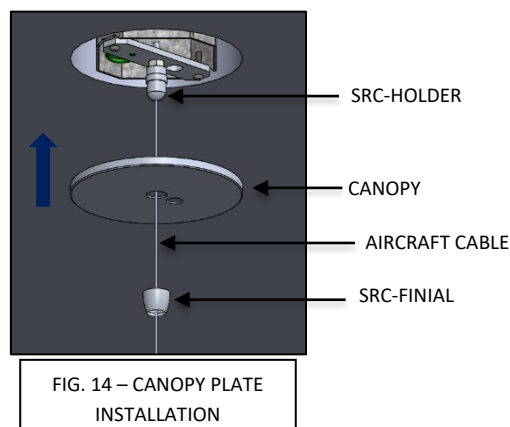
1. Dis-assemble the SLIP RING COUPLER (1) into three components SRC-BASE, SRC-HOLDER and SRC-FINIAL as shown in FIG. 10.
2. Assemble the SRC BASE to the SCREW (available in mounting bracket assembly) as shown below in FIG.11.



3. Assemble the MOUNTING BRACKET ASSEMBLY to the JUNCTION BOX the fixture will mount to (by others) with screws (by others) as shown in FIG. 12 below.
4. Feed the AIRCRAFT CABLE through the SRC-HOLDER and assemble the SRC-HOLDER to SRC-BASE as shown below in FIG. 13.



5. Pass the remaining Aircraft cable through the canopy and finial. Loosely secure CANOPY to the ceiling by threading the SRC-FINIAL to the SRC-HOLDER as shown below in FIG. 14.



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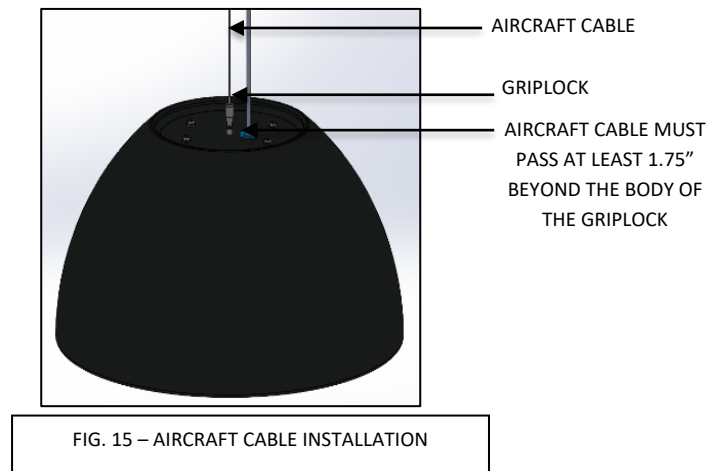
# NO1-P1FI-INSTALLATION-INSTRUCTIONS

6. Raise the fixture and feed the AIRCRAFT CABLE into the GRIPLOCK by pressing the plunger of the GRIPLOCK and insert the AIRCRAFT CABLE into the body of the GRIPLOCK and adjust fixture drop to desired height as shown in FIG. 15.
  - a. Each AIRCRAFT CABLE must pass at least 1.75" beyond the body of the GRIPLOCK. When cutting off excess cable always leave at least 1" of cable showing.
  - b. Cables may be cut using purpose-built cutters such as Felco C7. Cable will not fray unless passed repeatedly through the Gripper mechanism or otherwise abused.
  - c. To prevent fraying of freshly cut ends, re-solder or apply a drop of super-glue.

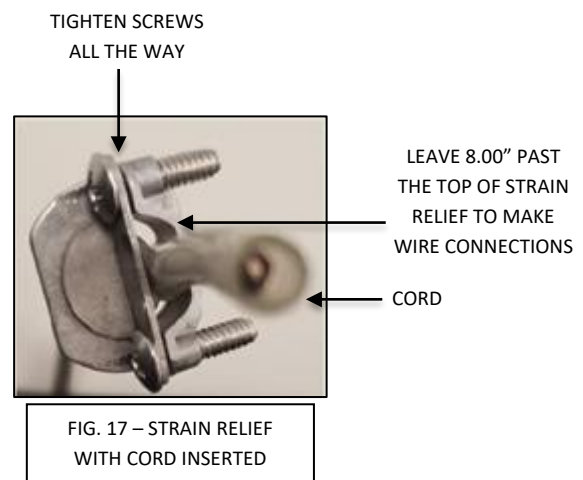
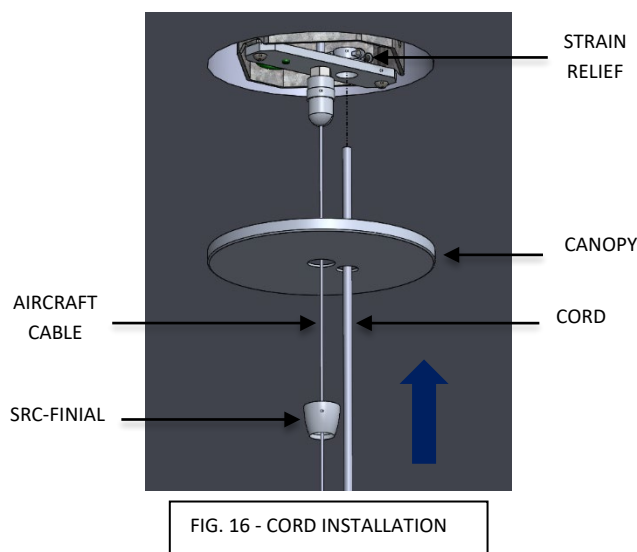


## WARNING:

Do not let the NOVA LUMINAIRE hang free until AIRCRAFT CABLE is secured and evenly tensioned.



7. Dis-assemble the CANOPY by loosening the CEILING COUPLER. Feed the CORD through the CANOPY and MOUNTING BRACKET ASSEMBLY to the desired length and secure the CORD by tightening the STRAIN RELIEF as shown in FIG. 16. Leave minimum of 8.00" past the top of the STRAIN RELIEF for making wire connections to DRIVER as shown in FIG. 17.



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## NO1-P1FI-INSTALLATION-INSTRUCTIONS

8. 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 instruction on how to shorten/install the cord on page 9.
9. Raise CANOPY and secure to ceiling by threading the FINIAL to the GRIPLOCK until fully seated as shown in FIG. 18.

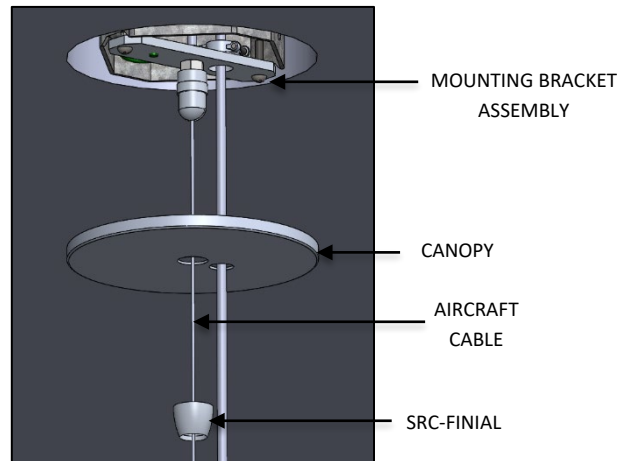


FIG. 18 - CANOPY INSTALLATION

10. Restore power to circuit the NOVA 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.

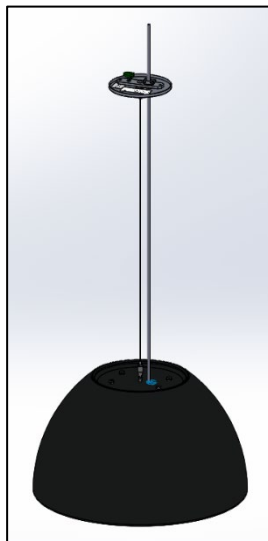


FIG. 19 - COMPLETED INSTALLATION OF NOVA PENDANT WITH P1FI HANGING SYSTEM  
NO1-P1FI-XX-MW-XXX-LEDX\_XXK-UNV-XXX-DM~ (SHOWN)



## CORD INSTALL INSTRUCTIONS

- Strip off 1.00" of outer clear insulation exposing the outer metal braiding as shown in FIG. 20 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. 21 below.

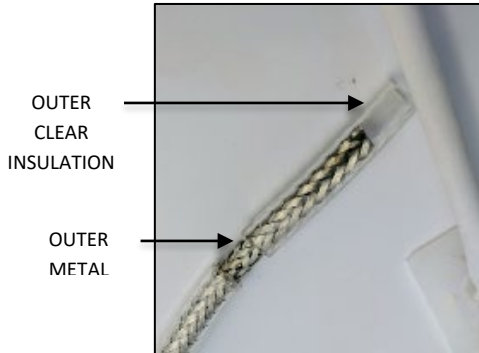


FIG. 20

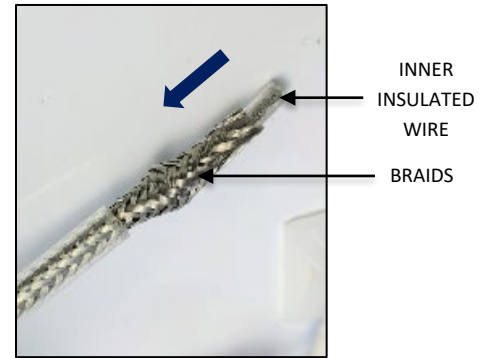


FIG. 21

- Using a small pointed object, begin unweaving the exposed metal braiding as shown in FIG. 22 below. Position the unwoven metal strands on one side of the inner insulated wire and twist the individual strands together as shown in FIG. 23 below.

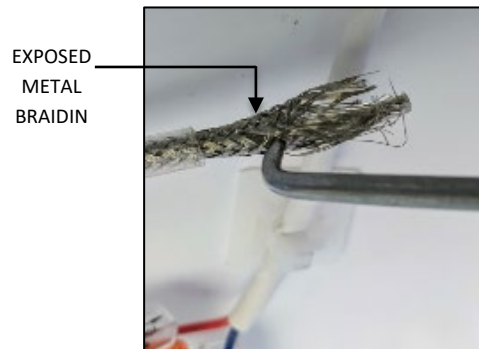


FIG. 22

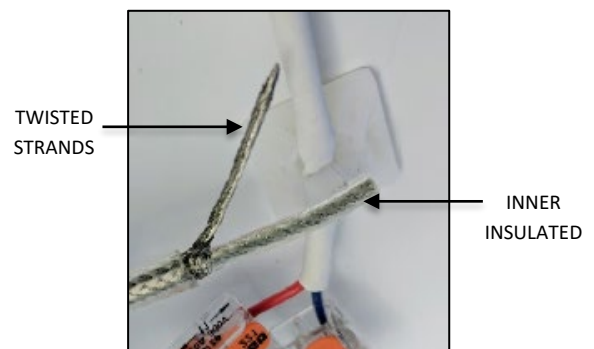


FIG. 23

- 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. 24 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. 25 below.

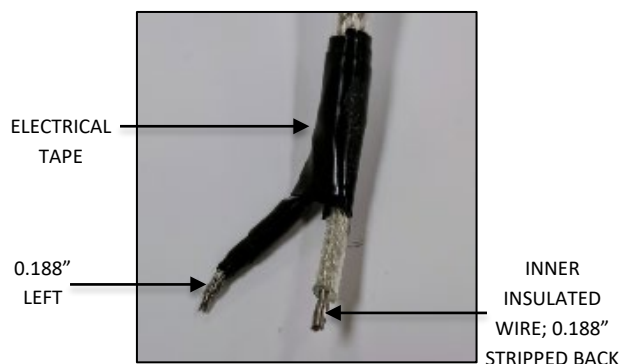


FIG. 24

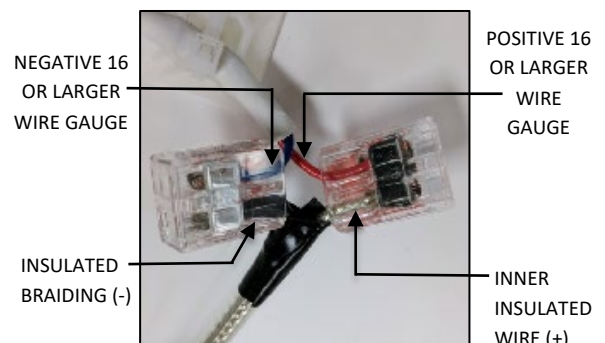


FIG. 25