INSTALLATION INSTRUCTIONS
NOVA PENDANT WITH P1FB HANGING SYSTEM

These instructions cover the NOVA luminaire with the following options:

SERIES	HANGING SYSTEM	SIZE	LIGHT SOURCE	CONTROL	WIRE DIAGRAM
1. NO1 (NOVA)	P1FB: PENDANT WITH FLAT CANOPY, SINGLE CENTER AIRCRAFT CABLE AND SILVER POWER CORD; MOUNTS TO OCL RECESSED J-BOX (PROVIDED BY OCL)	18”	STATIC WHITE	DM1 / DM3	WIRE DIAGRAM ON PAGE 10
		24”	STATIC WHITE	DM1 / DM3	WIRE DIAGRAM ON PAGE 10
		36”	STATIC WHITE	DM1 / DM3	WIRE DIAGRAM ON PAGE 10

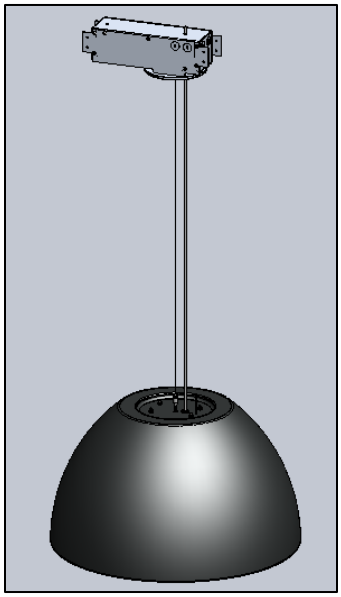

FIG. 1 – NO1-P1FB-XX-MW-XXX-LEDX_XXK-UNV-XXX-DM~

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. 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.
5. UPON RECEIPT OF THE FIXTURE, THOROUGHLY INSPECT FOR ANY FREIGHT DAMAGE. ANY DAMAGE SHOULD BE BROUGHT TO THE ATTENTION OF THE DELIVERY CARRIER.
6. DO NOT LET THE NOVA LUMINAIRE HANG FREE UNTIL THE AIRCRAFT CABLE ARE SECURED AND EVENLY TENSIONED.

Table of Contents

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 (shown in FIG. 3) - Please completely read the install instructions before starting installation.
3. RED BAG (shown in FIG. 3)
    a. 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.

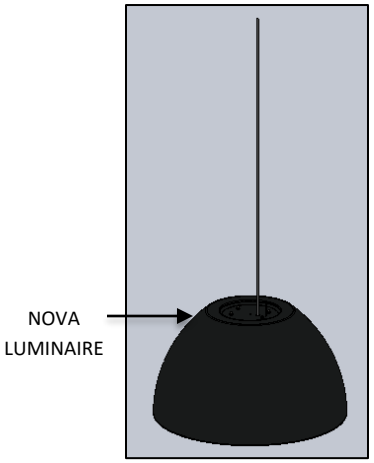

FIG.2 NOVA LUMINAIRE (PRE-ASSEMBLED)

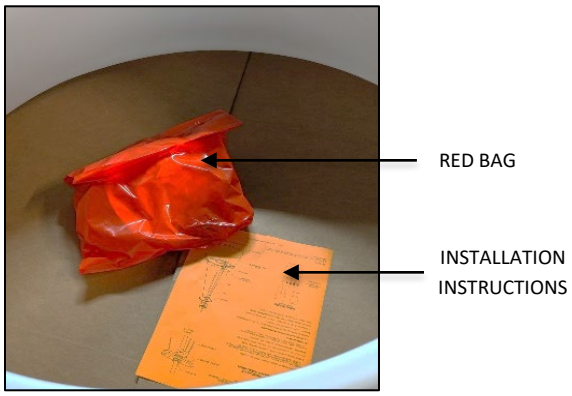

FIG.3 RED BAG AND INSTALLATION INSTRUCTIONS

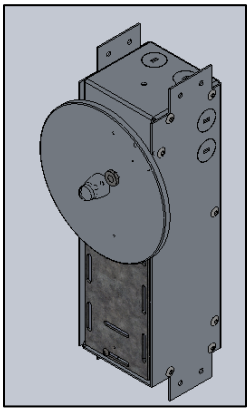

FIG. 4- CANOPY SUBASSEMBLY

NOVA MOUNTING:

1. Unscrew SRC- FINIAL and remove the CANOPY PLATE out of J-BOX as shown in FIG. 5.
2. Remove the Screws securing MOUNTING BRACKET ASSEMBLY, and slide MOUNTING BRACKET ASSEMBLY out of J-BOX along with STRAIN RELIEF provided in it as shown in FIG. 6.

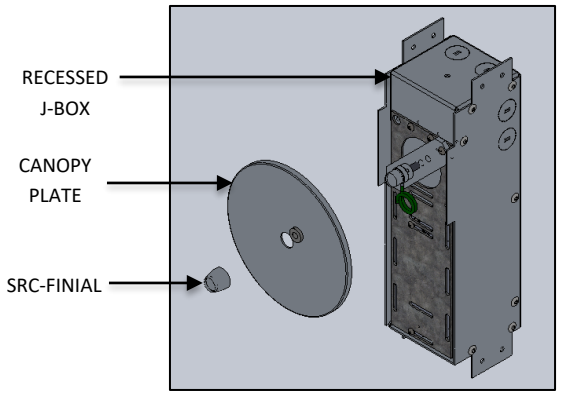

FIG. 5 – FINIAL AND CANOPY DISASSEMBLY

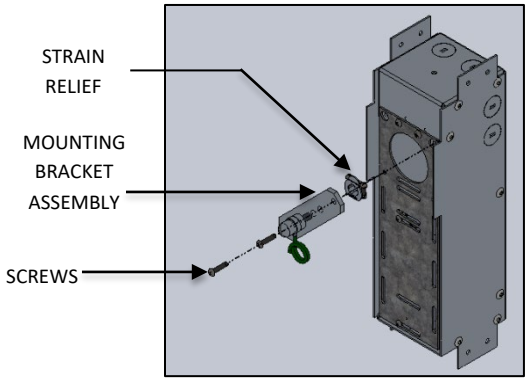

FIG. 6 – MOUNTING BRACKET DISASSEMBLY

NOTE:

For **NOVA MOUNTING [HARD CEILING]** see steps from 3 to 11,
For **NOVA MOUNTING [GRID CEILING]** see steps from 12 to 19.

NOVA MOUNTING [HARD CEILING]:

3. Remove the Screws securing DRIVER PLATE, and slide DRIVER PLATE out of J-BOX as shown in FIG. 7.
4. Attach RECESSED JUNCTION BOX to WALL STUD or CEILING JOIST at desired height and location before drywall is installed as shown below in FIG.8. Use appropriate anchor screws to secure to stud. (**Make sure the front of J-BOX is flush with the surface of the STUD and the large end of the BOX should face downward when mounted in the wall**).
5. Remove the appropriate knock out for desired wire entrance location as shown in FIG. 9.

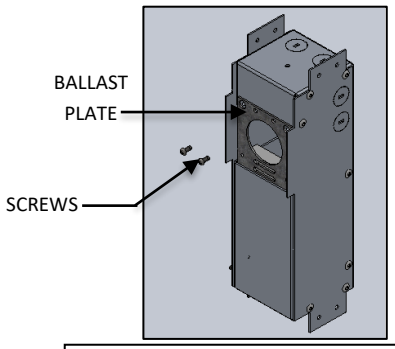

FIG. 7- DRIVER PLATE DISASSEMBLE

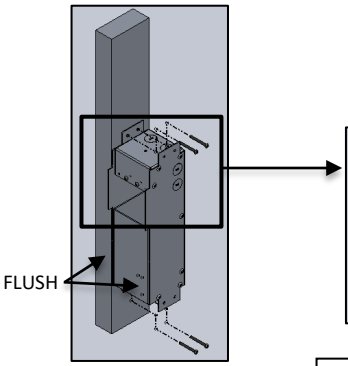

FIG. 8- J-BOX ASSEMBLY TO WALL

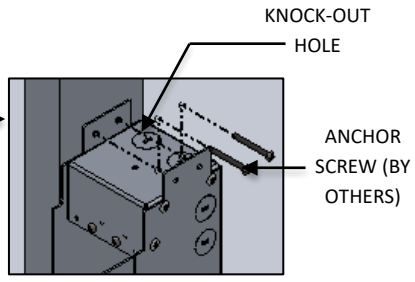

FIG. 9- DETAIL SHOWNG KNOCK-OUT HOLE AND SCREWS

6. Attach appropriate 1/2" CONDUIT FITTING to knockouts and run building supply connections into the box. make sure to pull the wires out through the square opening as shown below in FIG. 10 & 11.

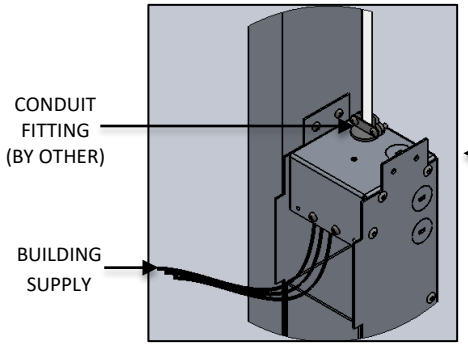

FIG. 10- DETAIL SHOWING BUILDING SUPPLY AND CONDUIT FITTING

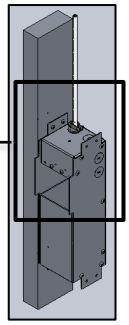

FIG. 11- CONDUIT FITTING TO J-BOX ASSEMBLY

7. Cut a SQUARE HOLE no larger than 3.375" x 3.625.
8. Attach the desired wall (ceiling) covering and finish accordingly as shown in FIG. 12.

Min Wall/Ceiling Thickness is .5"
Max Wall/Ceiling Thickness is 1.25"

9. Slide DRIVER PLATE into the box with the DRIVER facing rearward as shown in FIG. 13. As you slide the plate in, make sure you pull the BUILDING SUPPLY connections through the large hole in the DRIVER PLATE and other wires will already be through center hole.
10. Make BUILDING SUPPLY wire connections and tuck them into the top section of the box leaving the DRIVER WIRES out as shown in FIG. 14.

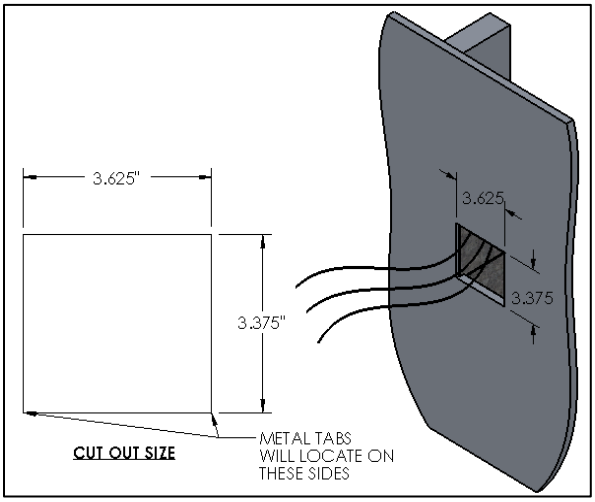

FIG. 12- J-BOX ASSEMBLY AND WALL CUT OUT

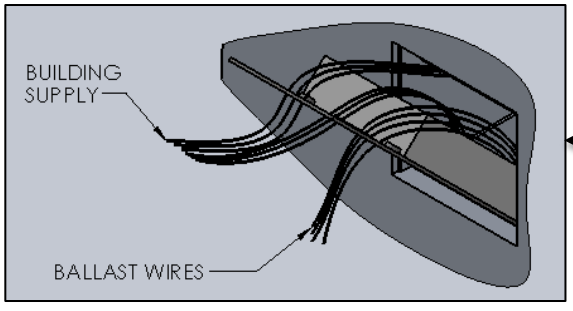

FIG. 14- DETAIL SHOWING BUILDING SUPPLY AND DRIVER WIRE CONNECTION

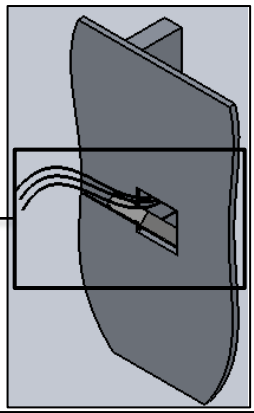

FIG. 13- DRIVER PLATE ASSEMBLY

11. Reattach DRIVER PLATE with the screws provided as shown in FIG. 15.

    CAUTION: Make sure FIXTURE WIRES from DRIVER are capped while waiting to install fixture.

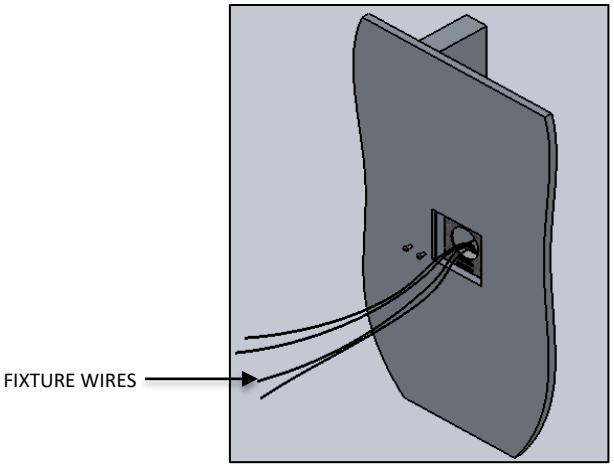

FIG. 15 DRIVER PLATE RE-ASSEMBLED

NOVA MOUNTING [GRID CEILING]:

12. Cut a 3.375" high and 3.625" Wide Hole into the CEILING TILE and insert the TILE into the desired location as shown below in FIG. 16.
13. Remove the DRIVER PLATE by removing the Two Screws and slide out as shown below in FIG. 17.

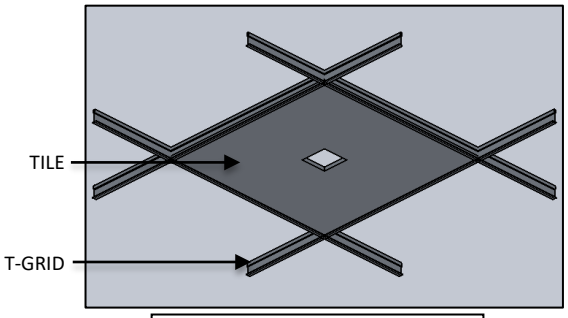

FIG. 16-TILE INSTALLATION

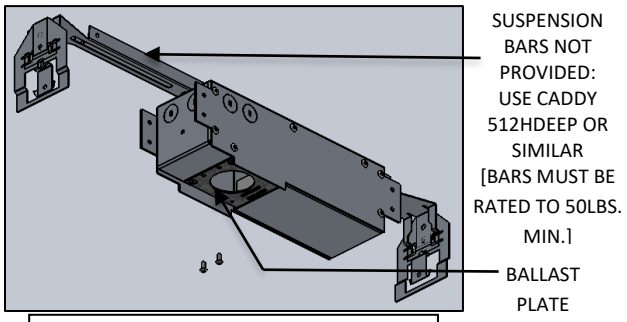

FIG. 17- DRIVER PLATE DISASSEMBLE

14. Remove the desired knock out and attach appropriate 1/2" CONDUIT FITTING and pull the BUILDING SUPPLY wires through the opening as shown below in FIG. 18.
15. From an adjacent opening attach, the J-BOX to the GRID with the SUSPENSION BARS [BY OTHER] attached on the top. (Position of the J-BOX can be moved by loosening the top 2 SCREWS) as shown below in FIG. 19.
16. Center the flanges into the Square Hole, the surface of the J-BOX should almost rest onto the TILE.

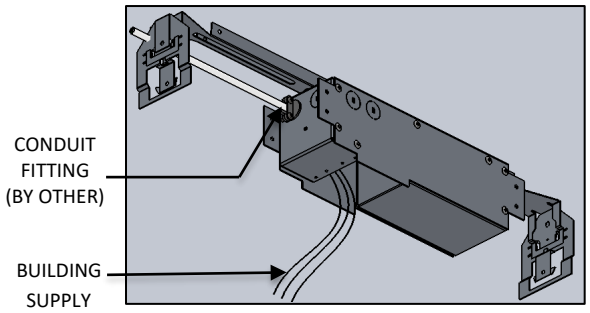

FIG. 18- CONDUIT FITTING TO J-BOX ASSEMBLY

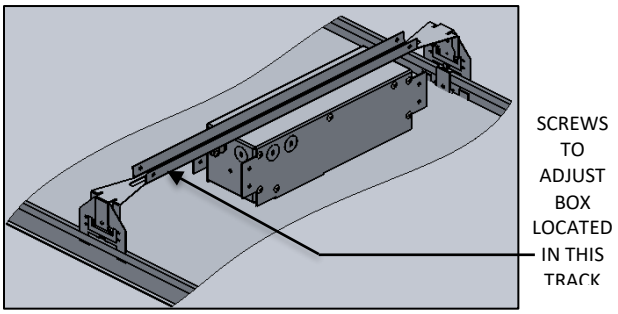

FIG. 19- J-BOX ASSEMBLY ORIENTATATION

17. Slide DRIVER PLATE into the box with the DRIVER facing up.as you slide the plate in, make sure you pull the BUILDING SUPPLY connections through the large hole in the DRIVER PLATE as shown below in FIG. 20 and other wires will already be through the center hole.
18. Secure the DRIVER PLATE with the screws provided.
19. Make BUILDING SUPPLY WIRE connections and tuck them into the small section of the J-BOX.

CAUTION: Make sure FIXTURE WIRES from DRIVER are capped while waiting to install fixture as shown in FIG. 21.

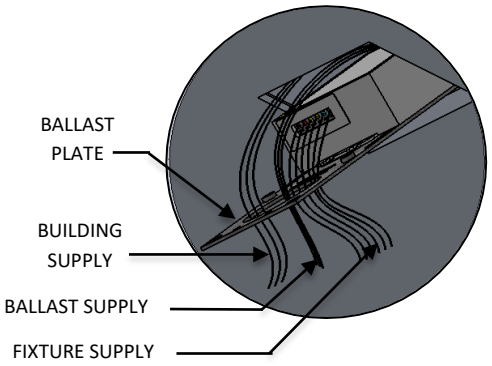

FIG. 20- DETAIL SHOWING BUILDING SUPPLY AND DRIVER WIRE

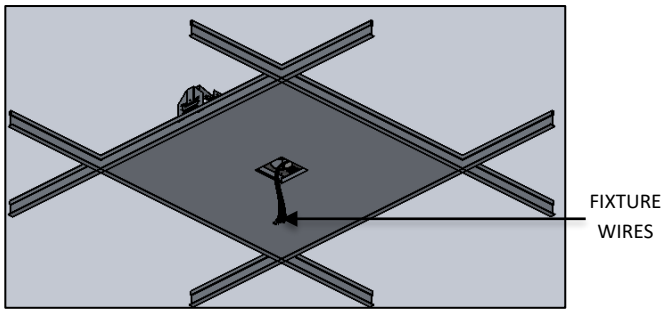

FIG. 21- ASSEMBLED VIEW SHOWING RECESSED J-BOX TO THE CEILING

20. Attach the fixture to installed JUNCTION BOX.

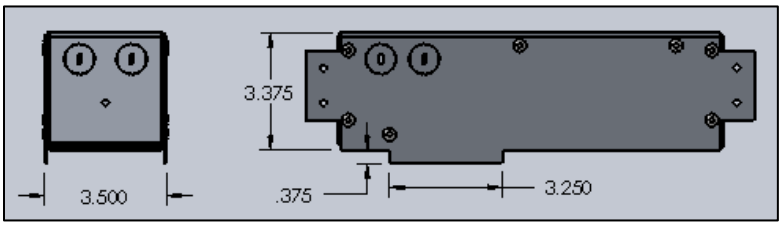

FIG. 22 –INSTALLED JUNCTION BOX

NOVA MOUNTING [CANOPY]:

1. Dis-assemble the SLIP RING COUPLER (1) as shown below in FIG.23 into components SRC-BASE and SRC-HOLDER.
2. Screw the THREAD ROD into the top of the SRC-BASE until fully seated. Then assemble the THREADED ROD/ SRC-BASE into the center hole of the MOUNTING BRACKET until SRC-BASE is fully seated against MOUNTING BRACKET as shown below in FIG. 24.

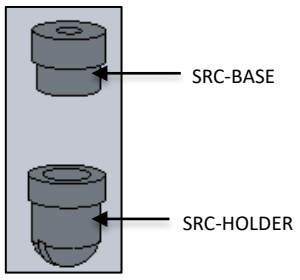

FIG. 23 – SLIP RING COUPLER (1) CONTENTS

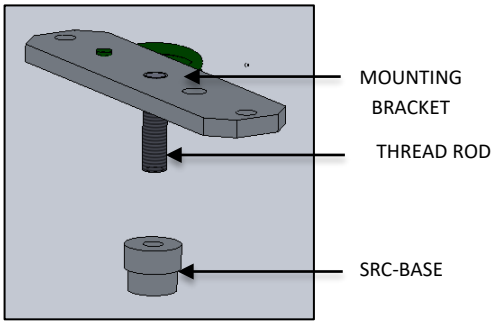

FIG. 24 – THREAD ROD INSTALLATION

3. Feed the AIRCRAFT CABLE through the SRC-HOLDER. Then assemble the SRC-HOLDER with AIRCRAFT CABLE to the SRC-BASE on the MOUNTING BRACKET ASSEMBLY. Secure the MOUNTING BRACKET ASSEMBLY to the JUNCTION BOX with two screws (by others) as shown below in FIG. 25.
4. Feed the remaining AIRCRAFT CABLE from the MOUNTING BRACKET ASSEMBLY through the center hole of the CANOPY and SRC-FINIAL. Loosely secure CANOPY to the ceiling by threading the SRC-FINIAL to the MOUNTING BRACKET ASSEMBLY as shown below in FIG. 26.

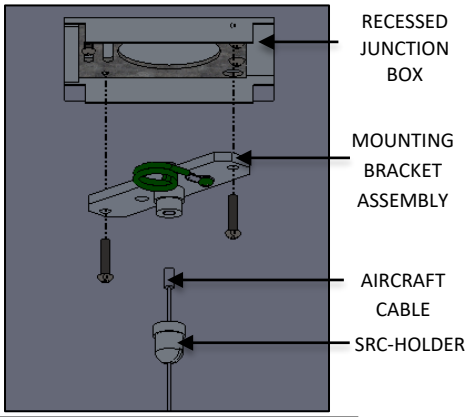

FIG. 25 – MOUNTING BRACKET

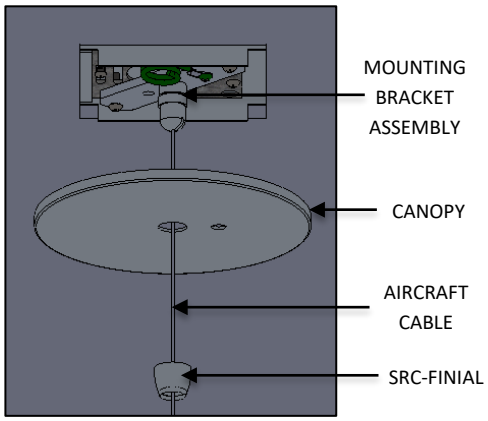

FIG. 26 – CANOPY INSTALLATION

5. Locate the NOVA LUMINAIRE as shown in FIG. 27 and with multiple people raise up LUMINAIRE to AIRCRAFT CABLE, refer to NOVA MOUNTING step 1 for location.

WARNING:

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

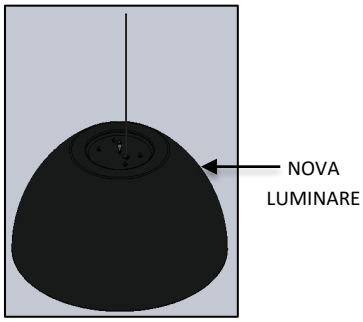

FIG. 27 – LUMINARE INSTALLATION

6. Feed AIRCRAFT CABLE into the GRIPLOCK, press the plunger of the GRIPLOCK and insert the AIRCRAFT CABLE into the body of the GRIPLOCK as shown in FIG. 28.
   a. Each AIRCRAFT CABLE must pass at least 1” 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.

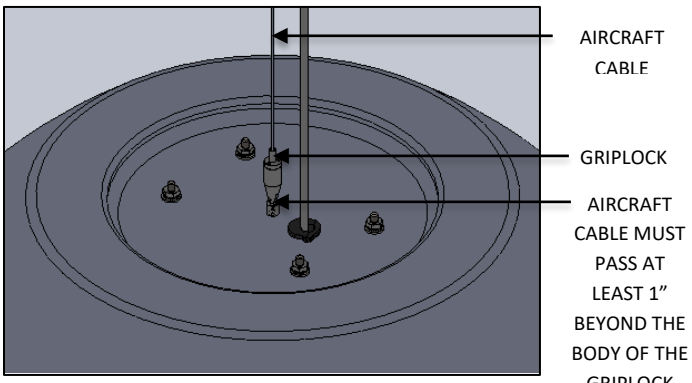

FIG. 28 – AIRCRAFT CABLE INSTALLATION

7. Once the NOVA BODY is secured to the AIRCRAFT CABLE at the GRIPLOCK Unthread the SRC-FINIAL from the MOUNTING BRACKET ASSEMBLY and lower the CANOPY as shown below in FIG. 29.
8. Feed POWER CORD through GROMMET and then pass it through the 2ND hole provided in the CANOPY as shown below in FIG. 30.

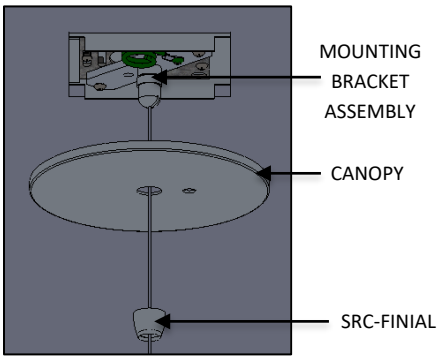

FIG. 29 – CANOPY DISASSEMBLY

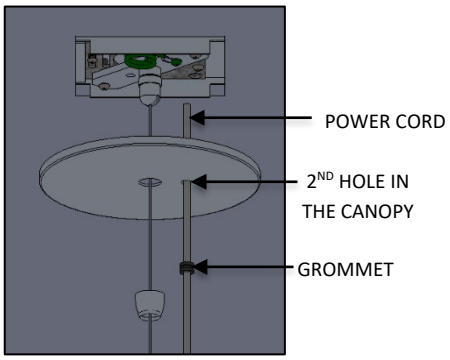

FIG. 30 – CORD INSTALLATION

9. Then first feed the CORD through the holes which is available in the MOUNTING BRACKET ASSEMBLY and then secured it to the desired length by pass it through the STRAIN RELIEF as shown below in FIG. 31 & 32.

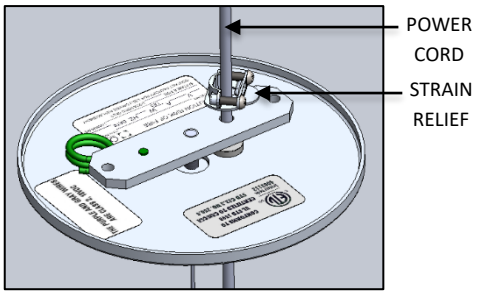

FIG. 31 – STRAIN RELIEF INSTALLATION

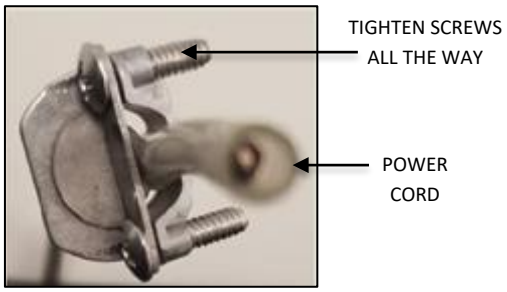

FIG. 32 – STRAIN RELIEF WITH CORD INSERTED

10. Make sure to leave minimum of 8.00" past the top of the STRAIN RELIEF for making wire connections to driver as shown below in FIG 33.

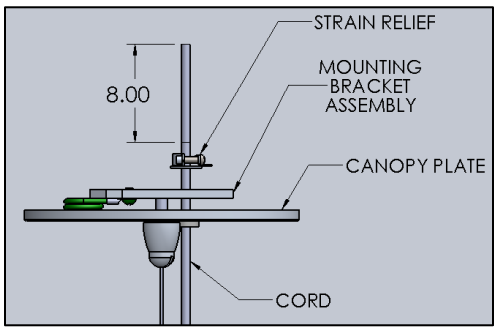

FIG. 33 – CORD INSTALLATION DETAIL

11. Make all wire connections inside the junction box (by others) in accordance with the national electrical code and all applicable local and state codes. See WIRE DIAGRAM TABLE and WIRE DIAGRAM below as shown in FIG.35 and instructions on how to shorten/install the cord on page 12 for making wire connections.

WIRE DIAGRAM TABLE						
SERIES	**HANGING SYSTEM**	**BODY SIZE**	**BODYLIGHT SOURCE**	**LED OUTPUT**	**CONTROL**	**WIRE DIAGRAM**
NO1 (NOVA)	P1FB	18”	STATIC WHITE	LED1, LED2, LED3, & LED4	DM1 / DM3	WIRE DIAGRAM ON PAGE 10
	P1FB	24”	STATIC WHITE	LED1, LED2, LED3, & LED4	DM1 / DM3	WIRE DIAGRAM ON PAGE 10
	P1FB	36”	STATIC WHITE	LED1, LED2, LED3, & LED4	DM1 / DM3	WIRE DIAGRAM ON PAGE 10

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. 34 – WIRE LABEL TABLE

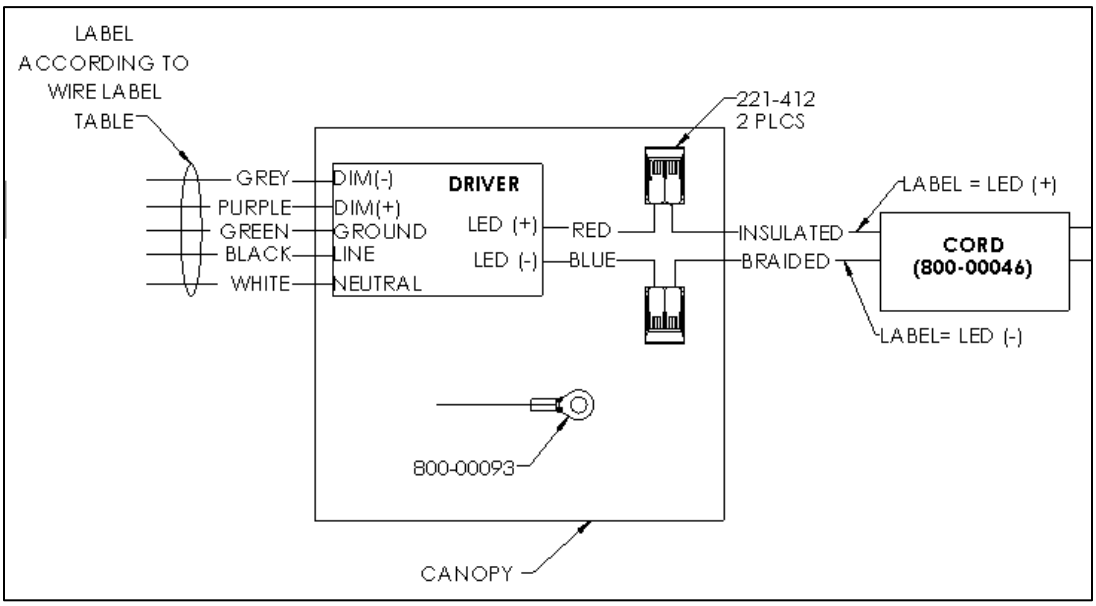

FIG. 35 – WIRE DIAGRAM FOR NOVA-P1FB- SERIES

12. Raise CANOPY and secure to ceiling by threading the SRC-FINIAL to the MOUNTING BRACKET ASSEMBLY as shown below in FIG. 36.

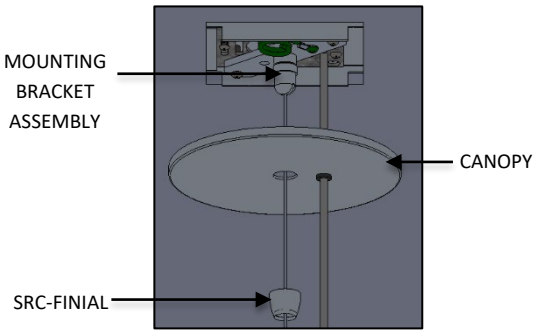

FIG. 36 – FINIAL ASSEMBLY

13. 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.

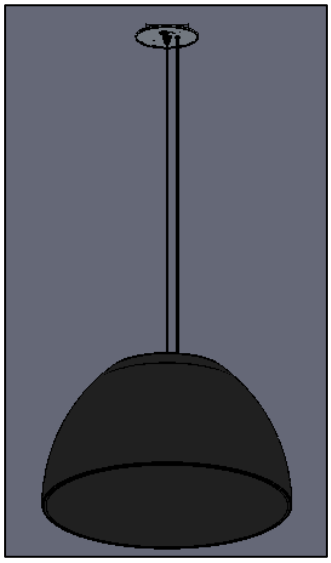

FIG. 37 – COMPLETED INSTALLATION OF NOVA PENDANT WITH P1FB HANGING SYSTEM
NO1-P1FB-XX-MW-XXX-LEDX_XXK-UNV-XXX-DM~

CORD INSTALLATION INSTRUCTIONS:

1. Strip off 1.00" of outer clear insulation exposing the outer metal braiding as shown in FIG. 38 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. 39 below.

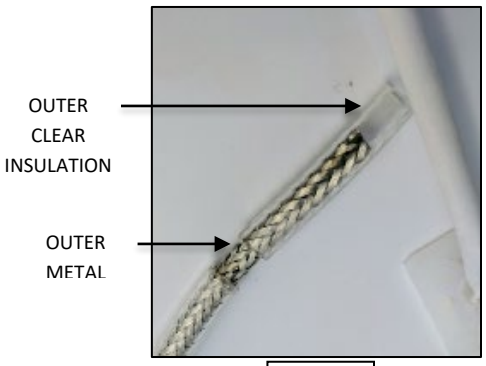

FIG. 38

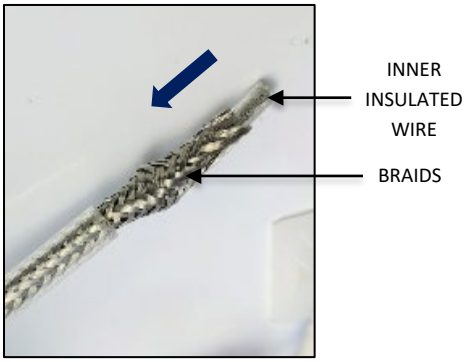

FIG. 39

2. Using a small pointed object, begin unweaving the exposed metal braiding as shown in FIG. 40 below. Position the unwoven metal strands on one side of the inner insulated wire and twist the individual strands together as shown in FIG. 41 below.

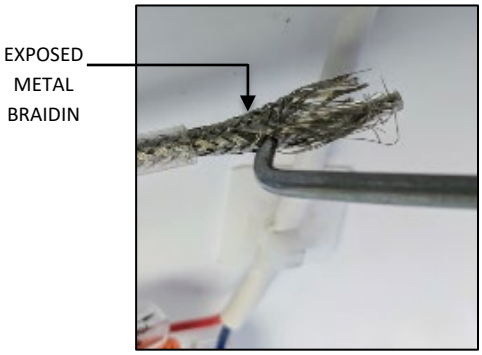

FIG. 40

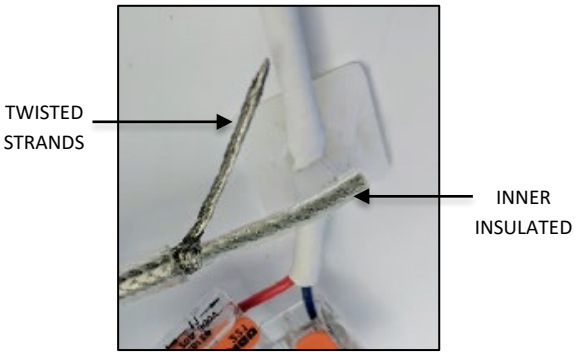

FIG. 41

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 strained core wire as shown in FIG. 42 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. 43 below.

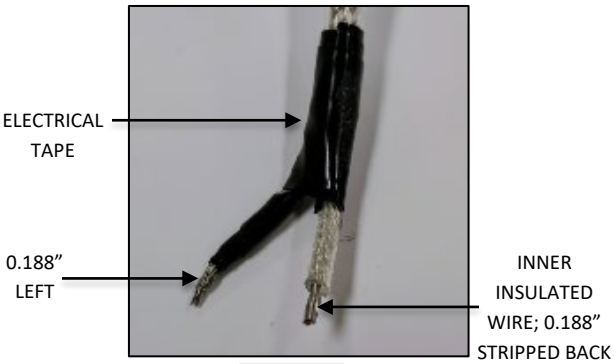

FIG. 42

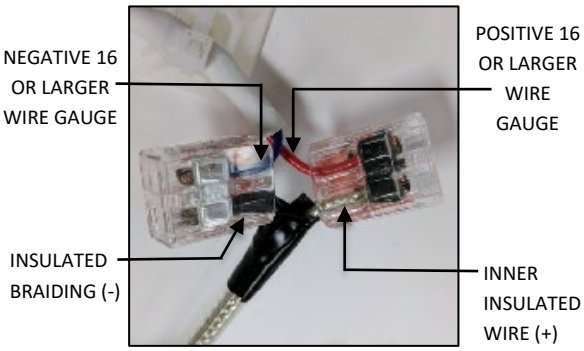

FIG. 43