

INSTALLATION INSTRUCTIONS

MOBI PENDANT WITH P1EM HANGING SYSTEM

These instructions cover the MOBI luminaire with the following options:

SERIES	HANGING SYSTEM	SIZE	LIGHT SOURCE	CONTROL	WIRE DIAGRAM
MB1: MOBI DIRECT ALL FIXTURE DIAMETERS	P1EM: PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY	31" 46" 63"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM ON PAGE 04
MB2: MOBI BIDIRECT FIXTURE DIAMETERS 46", 63"					

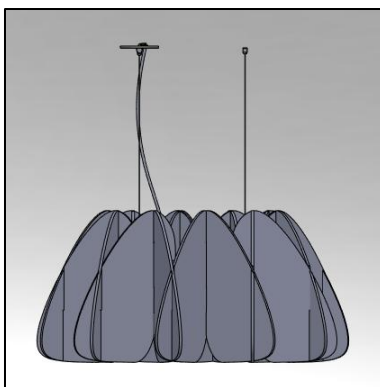


FIG. 1- MB1-P1EM-X-24-XXX-XXX-LEDX-XXK-UNV-XX-DM1

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.
 -CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE QUI CONNAÎT. CONSULTER UNE ÉLECTRICIEN QUALIFIÉ POUR VOUS ASSURER QUE LES CONDUCTEURS DE LA DÉRIVATION SONT ADÉQUATS.
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' WIRE LENGTH DISTANCE FROM FIXTURE FOR NON-DIMMING AND DM1. MAX 10' WIRE LENGTH REMOTE DISTANCE FOR LUTRON. ENCLOSURE SHOULD REMAIN ACCESSIBLE AFTER INSTALLATION.
5. DO NOT LET THE GLOWRING LUMINAIRE HANG FREE UNTIL ALL THE AIRCRAFT CABLES ARE SECURED AND EVENLY TENSIONED.
6. KEEP HANDS AWAY FROM THE SILICONE DIFFUSER. DO NOT TOUCH IT AT ALL TIMES.
7. 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.
8. DUE TO A CHANGE IN NEC SECTION 410.69 EFFECTIVE IN 2022, THE COLOR PINK WILL BE USED IN PLACE OF GRAY FOR 0-10V CONTROL. NOTE THAT EXISTING SYSTEMS AND FIXTURES MANUFACTURED PRIOR TO 2022 MAY STILL USE GRAY WIRE AS AN UNGROUNDED CONDUCTOR FOR 0-10V CONTROL. CARE SHOULD BE TAKEN WHEN WORKING ON EXISTING SYSTEMS.

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MB1-P1EM-LED-ACOUSTIC-INSTALLATION INSTRUCTIONS

GENERAL INFORMATION:

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

1. FIXTURE. (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 (shown in FIG. 4)
 - b. MOUNTING KIT (as shown in FIG. 5)
 - i. FOUR (4) AIRCRAFT CABLES
 - ii. STRAIN RELIEF
 - iii. THREAD ROD
 - iv. MOUNTING BRACKET
 - v. THREE (3) CEILING COUPLER (CC)
 - vi. SLIP RING COUPLER (SRC)
4. SUPPORT RING (shown in FIG. 6)
5. ACOUSTIC PANELS (shown in FIG. 7)

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.

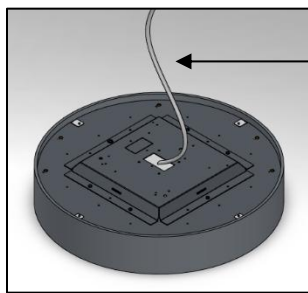


FIG. 2 FIXTURE



FIG. 3 RED BAG AND
INSTALLATION
INSTRUCTIONS



FIG. 4 MOUNTING KIT & CANOPY

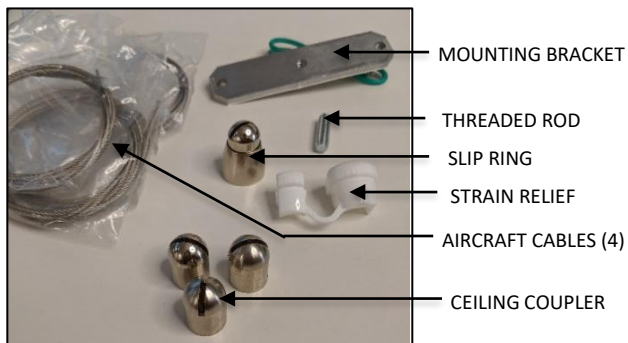


FIG. 5 MOUNTING KIT CONTENTS

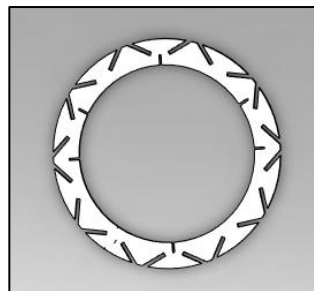


FIG. 6 SUPPORT RING

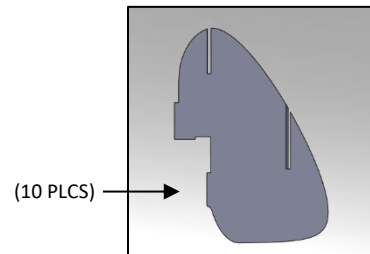
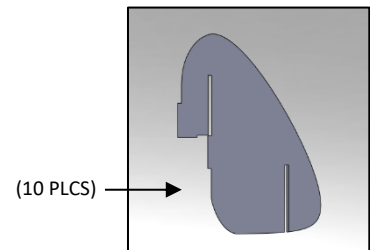


FIG. 7 ACOUSTIC PANELS

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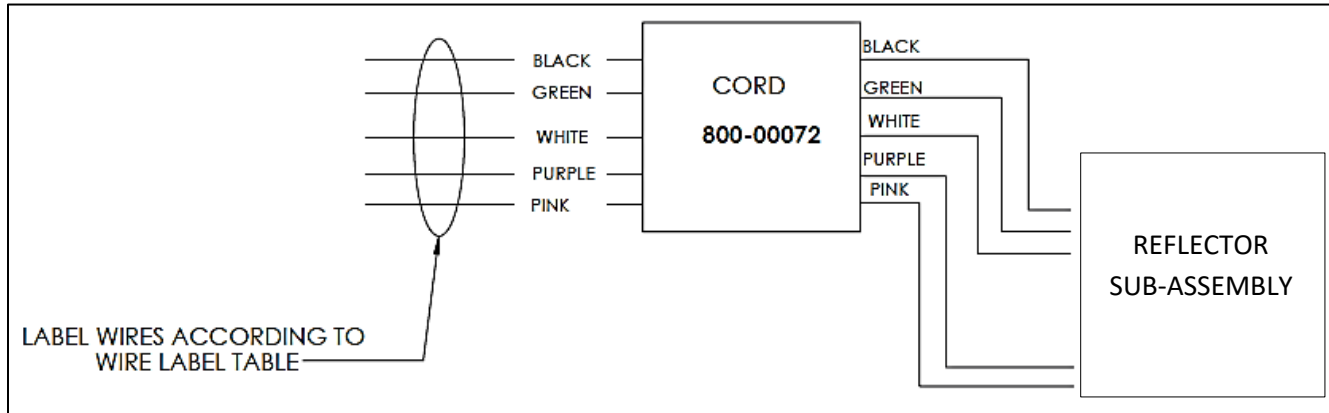
MB1-P1EM-LED-ACOUSTIC-INSTALLATION INSTRUCTIONS

1. Make all wire connections in accordance with the NATIONAL ELECTRICAL CODE and all applicable LOCAL AND STATE CODES inside the JUNCTION BOX (BY OTHERS). See WIRE DIAGRAM and WIRE LABEL TABLE below (as shown in FIG. 8 & 9).

SERIES	HANGING SYSTEM	BODY SIZE	BODYLIGHT SOURCE	LED OUTPUT	CONTROL	WIRE DIAGRAM
MB1: MOBI DIRECT FIXTURE DIAMETERS MB2: MOBI BIDIRECT FIXTURE DIAMETERS 46",63"	P1EM: PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY	31"	STATIC WHITE	LED1	0-10V DIM 1% (DM1)	WIRE DIAGRAM ON PAGE 04
				LED2		
				LED3		
		46"	STATIC WHITE	LED1	0-10V DIM 1% (DM1)	
				LED2		
				LED3		
		63"	STATIC WHITE	LED1	0-10V DIM 1% (DM1)	
				LED2		
				LED3		

WIRE LABEL TABLE		
CONTROL	WIRE COLOR	LABEL
ALL	BLACK	LINE VOLTAGE
ALL	WHITE	NEUTRAL
ALL	GREEN	GROUND
DM1	PURPLE	0-10V (+)
DM1	PINK	0-10V (-)

FIG.8- WIRE LABEL



SEE GENERAL NOTE 10 ON PAGE 1

FIG. 9 – WIRE DIAGRAM

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MB1-P1EM-LED-ACOUSTIC-INSTALLATION INSTRUCTIONS

ACOUSTIC INSTALLATION:

1. Take the two different acoustic panel shapes and slide them together until they are fully aligned (as shown in Fig. 10). Make sure the bottoms of the panels are securely interlocked. Once all the panels are properly connected, group them into pairs and connect the back ends until all ten pairs are joined, forming a complete circle (as shown below in FIG. 11).
2. Once all the panels are connected, grab the support ring and place it on top of the acoustic panels. Then slide the ring down into position, adjusting everything as needed to ensure a proper fit (as shown below in FIG. 12).
3. Once all panels are placed onto the support ring, the next step is to align the cutout on the inner ring with the hanging system holes of the fixture. After alignment, carefully place the panels' bottom lip onto the cirque lighting fixture, ensuring a secure and proper fit (as shown below in FIG. 13).

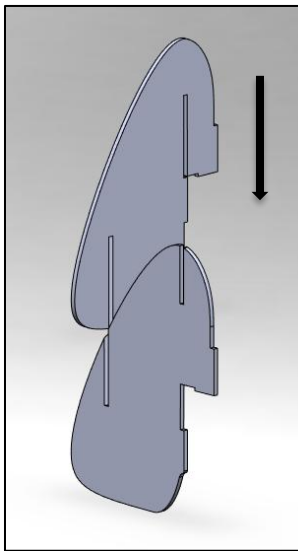


FIG. 10 – ACOUSTIC PANEL ALIGNMENT

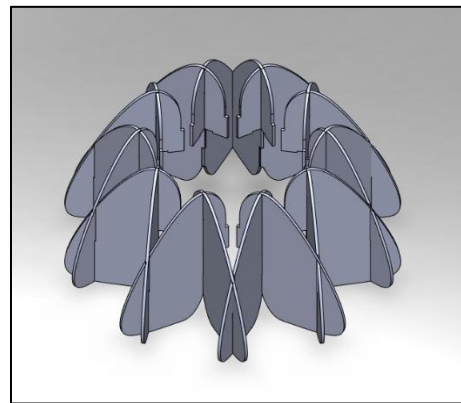


FIG. 11– SUPPORT RING/ACOUSTIC PANEL CONNECTION

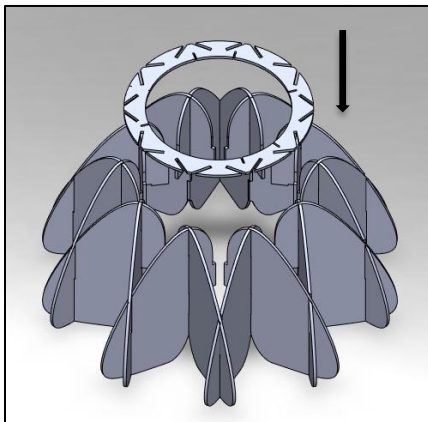


FIG. 12 – SUPPORT RING/ACOUSTIC PANEL CONNECTION

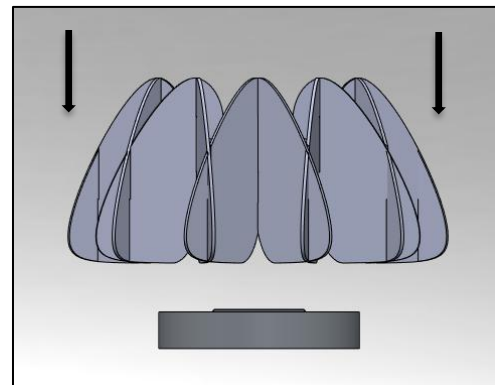


FIG. 13 – ACOUSTIC PANELS INSTALLATION

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MB1-P1EM-LED-ACOUSTIC-INSTALLATION INSTRUCTIONS

MOBI MOUNTING:

1. Mark location for the NON-POWERED MOUNTING POINT according to the MOUNTING INFORMATION TABLE and FIG. 14.

MOUNTING INFORMATION TABLE						
SERIES	FIXTURE DIAMETER	FIXTURE WEIGHT	MOUNTING DISTANCE DIM A	BOLT CIRCLE DIAMETER	MOUNTING POINT	MIN/MAX OAH
MB1 (MOBI DIRECT) ALL FIXTURE DIAMETERS	31"	26LBS	11.25"	16"	4	8"/144"
MB2 (MOBI BIDIRECT) FIXTURE DIAMETERS 47", 63"	46"	42LBS	14.125"	20"	4	8"/144"
	63"	75LBS	22.50"	32"	4	8"/144"

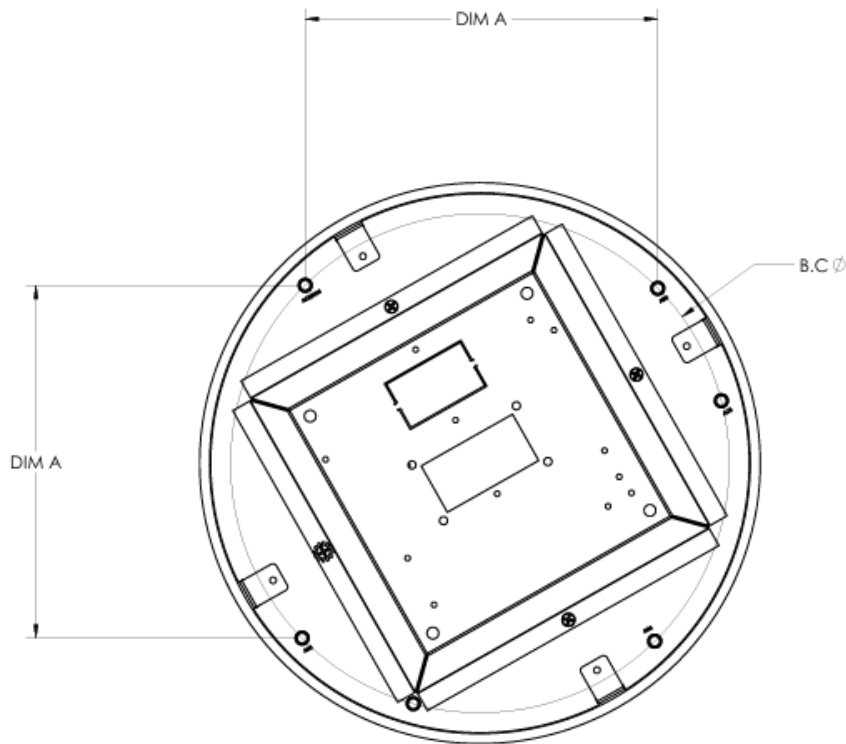


FIG. 15 MOUNTING HOLE LOCATIONS

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MB1-P1EM-LED-ACOUSTIC-INSTALLATION INSTRUCTIONS

- Dis-assemble the CEILING COUPLER into two components
 CC-BASE and CC-HOLDER
 as shown in FIG. 16.

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

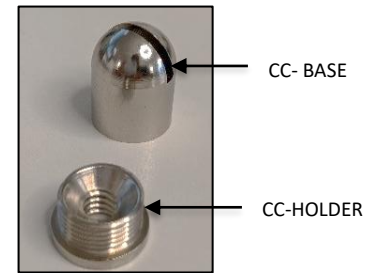


FIG. 16 - CEILING COUPLER
 ASSEMBLY

MOBI 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 6).

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. 17.

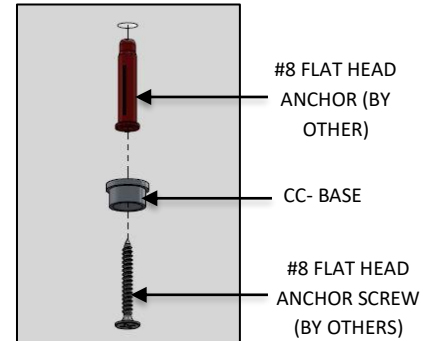


FIG. 17- HARD CEILING
 INSTALLATION

MOBI 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 6). 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. 18.

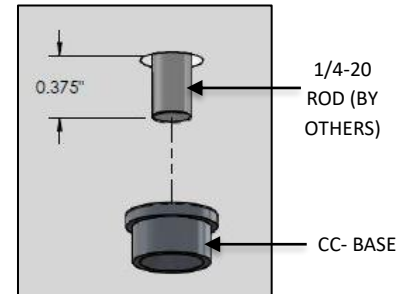


FIG. 18 – GRID CEILING
 INSTALLATION

MB1-P1EM-LED-ACOUSTIC-INSTALLATION INSTRUCTIONS

MOBI MOUNTING [NON-POWERED POINT AIRCRAFT CABLE]:

7. Locate the AIRCRAFT CABLES from the mounting kit.
Only three (3) will be used in this step.
8. Feed the AIRCRAFT CABLES through the three (3) CC-HOLDER. Once the AIRCRAFT CABLE is fed through the CC-HOLDER, secure to the CC-BASE (mounted) at the three (3) non-powered mounting locations as shown in FIG. 19.

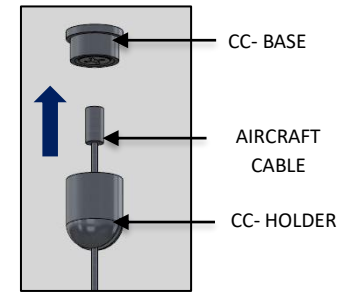


FIG. 19 – AIRCRAFT CABLE INSTALLATION

MOBI MOUNTING [CANOPY]:

9. Dis-assemble the SLIP RING COUPLER (1) as shown below in FIG.20 into three components SRC-BASE, SRC-HOLDER and SRC-FINIAL.
10. 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. 21.

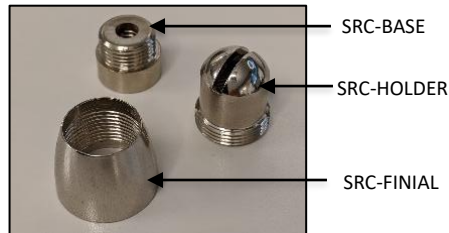


FIG. 20 – SLIP RING COUPLER (1) CONTENTS

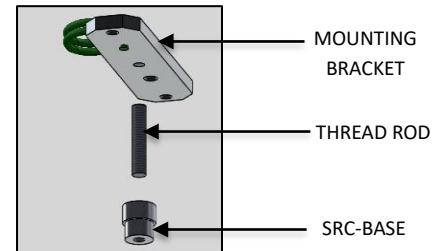


FIG. 21 – THREAD ROD INSTALLATION

11. Feed the remaining 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 (by others) as shown below in FIG. 22.
12. Feed the 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. 23.

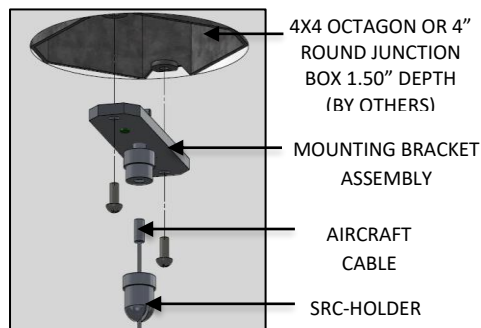


FIG. 22 – MOUNTING BRACKET ASSEMBLY

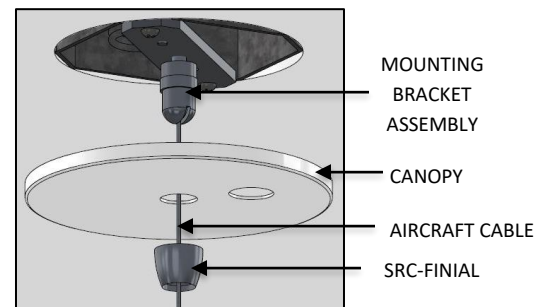
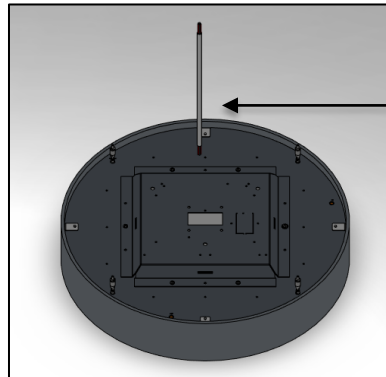


FIG. 23 – CANOPY INSTALLATION

MB1-P1EM-LED-ACOUSTIC-INSTALLATION INSTRUCTIONS

13. The **power cord exits from the center**. As the canopy is positioned, **route the cord toward the nearest GRIPLOCK**, the closest GRIPLOCK must connect to the aircraft cable from the **junction box** (see MOBI MOUNTING Step 1).



ORIENTATE SO THE POWER CORD IS PULL FROM THE CENTER TO THE GRIPLOCK WITH THE CANOPY ABOVE IT.

FIG. 24 – GRIP LOCK ORIENTATION

WARNING:



1. Do not let the MOBI LUMINAIRE hang free until all the AIRCRAFT CABLES are secured and evenly tensioned.
2. To 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. 25.
 - 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.

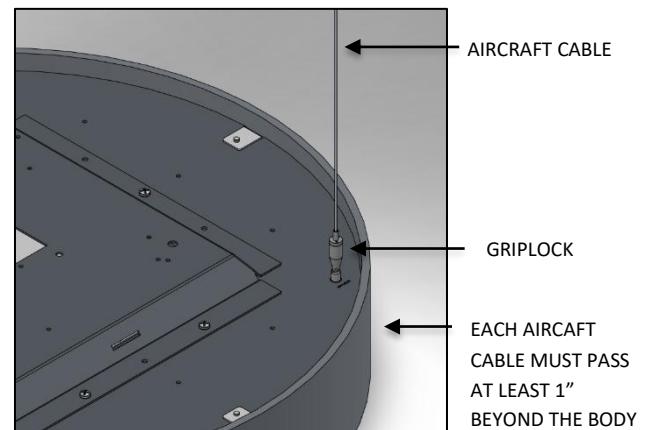


FIG. 25 – AIRCRAFT CABLE INSTALLATION

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14. Once the MOBI BODY is secured to the AIRCRAFT CABLE (4) at the GRIPLOCK (4) Unthread the SRC-FINIAL from the MOUNTING BRACKET ASSEMBLY and lower the CANOPY as shown below in FIG. 26.
15. Feed POWER CORD through the 2ND HOLE IN THE CANOPY and secure at desired length by using the STRAIN RELIEF provided as shown below in FIG. 27.

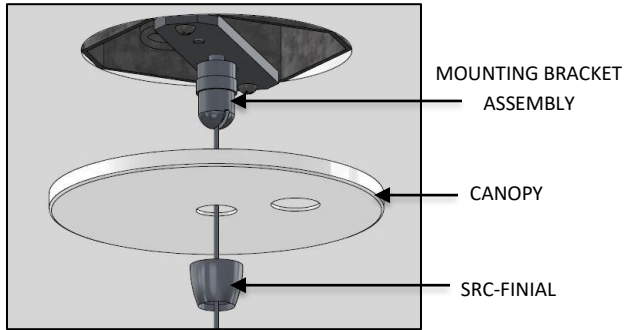


FIG. 26- CANOPY DISASSEMBLY

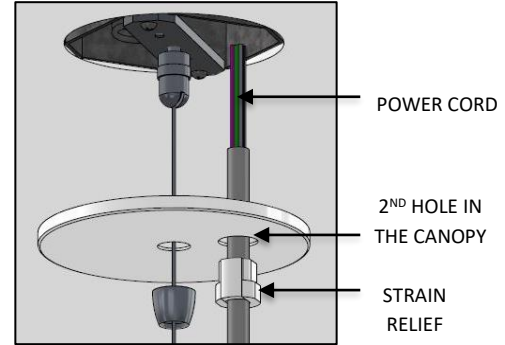


FIG. 27 - CORD INSTALLATION

16. 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 4 for corresponding models.
17. Raise CANOPY and secure to ceiling by threading the SRC-FINIAL to the MOUNTING BRACKET ASSEMBLY as shown below in FIG. 28.

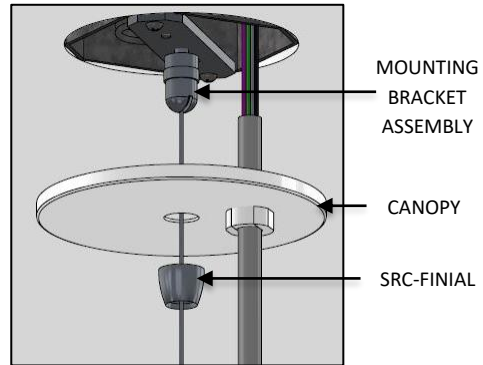


FIG. 28 - SRC-FINIAL INSTALLATION

MB1-P1EM-LED-ACOUSTIC-INSTALLATION INSTRUCTIONS

18. Restore power to circuit the MOBI 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.

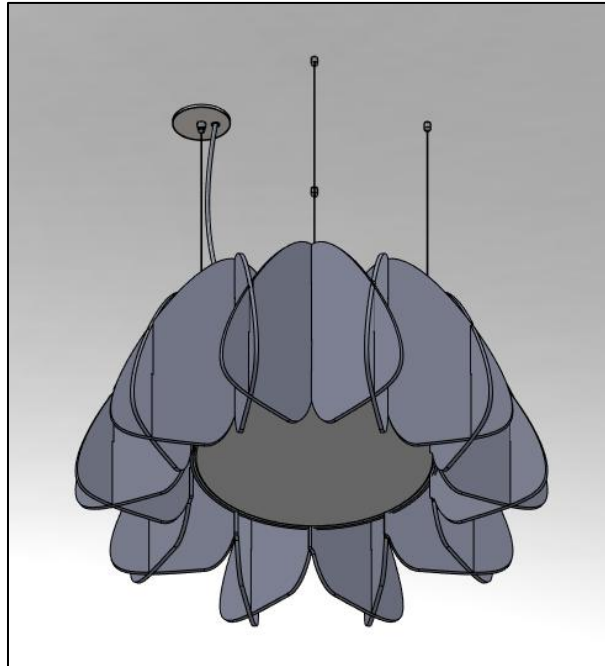


FIG. 29 – MB1-P1EM-X-24-XXX-XXX-LEDX-XXK-UNV-XX-DM1