

## INSTALLATION INSTRUCTIONS

### SL1 PENDANT WITH P1EM HANGING SYSTEM

These instructions cover the SOLO LUMINAIRE with the following options:

SERIES	HANGING SYSTEM	SIZE	LIGHT SOURCE	CONTROL	WIRE DIAGRAM
1. SL1(SOLO)	P1EM: PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY	120"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM ON PAGE 8

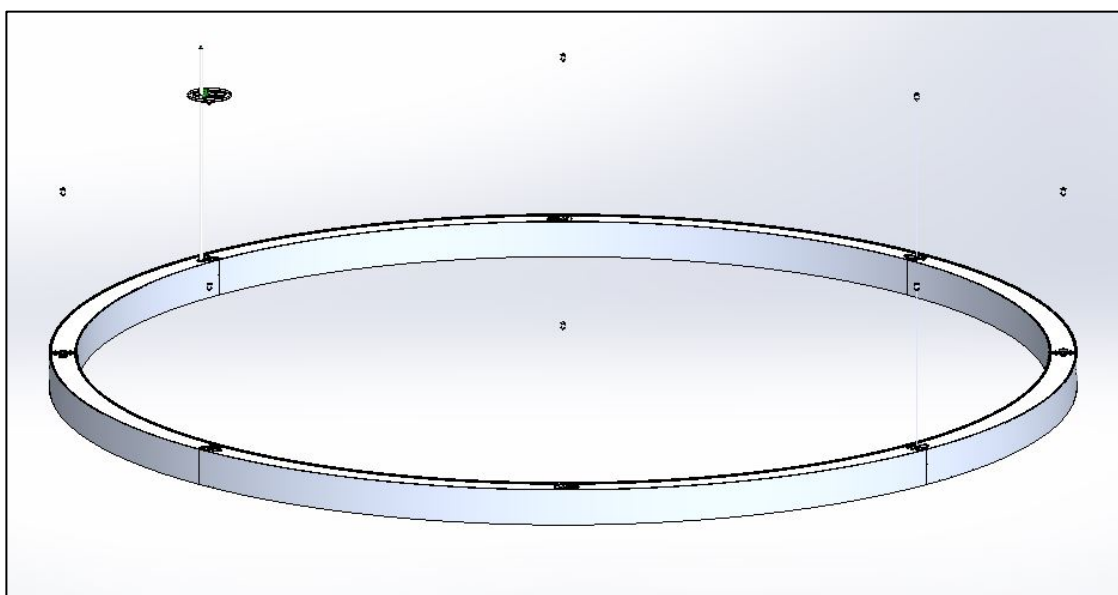


FIG. 1 – SL1-P1EM-120-XX-XXX-LEDX\_XXK-XXX-UNV-XXX-DM

#### 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 SOLO LUMINAIRE HANG FREE UNTIL ALL THE AIRCRAFT CABLES ARE SECURED AND EVENLY TENSIONED.

**OCL Architectural Lighting**

Phone: 314.863.1895

Fax: 314.863.3278

[www.ocl.com](http://www.ocl.com)

## Table of Contents

<b>GENERAL INFORMATION:</b> .....	<b>3</b>
<b>MOUNTING:</b> .....	<b>4</b>
<b>SOLO MOUNTING [HARD CEILING]:</b> .....	<b>5</b>
<b>SOLO MOUNTING [GRID CEILING]:</b> .....	<b>5</b>
<b>SOLO MOUNTING [NON-POWERED POINT AIRCRAFT CABLE]:</b> .....	<b>5</b>
<b>SOLO MOUNTING [CANOPY]:</b> .....	<b>5</b>

### GENERAL INFORMATION:

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

1. SOLO LUMINAIRE SECTIONS (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. MOUNTING BRACKET ASSEMBLY
    - iii. SEVEN (7) CEILING COUPLER (CC)
    - iv. EIGHT (8) AIRCRAFT CABLE
4. FOUR (4) ACRYLIC PANELS AND EIGHT (8) TOP PLATES (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.**

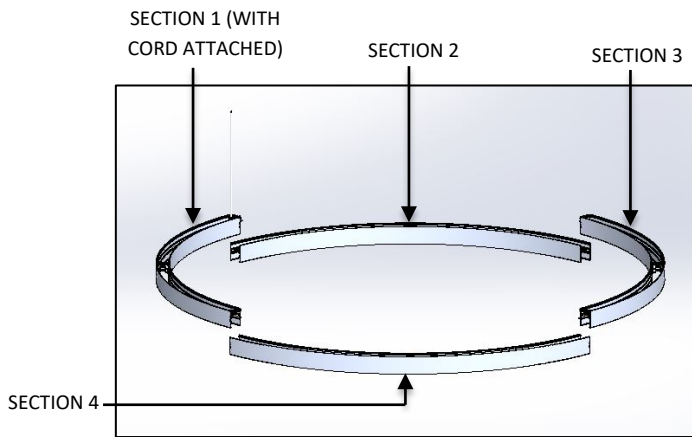


FIG. 2 - SOLO LUMINAIRE SECTIONS

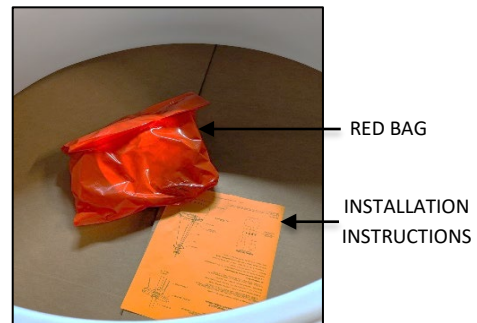


FIG.3 RED BAG AND INSTALLATION INSTRUCTIONS

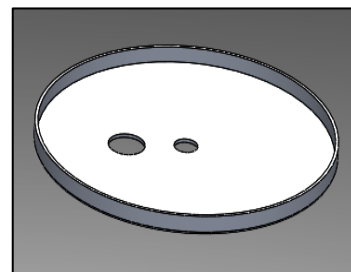


FIG. 4 - CANOPY

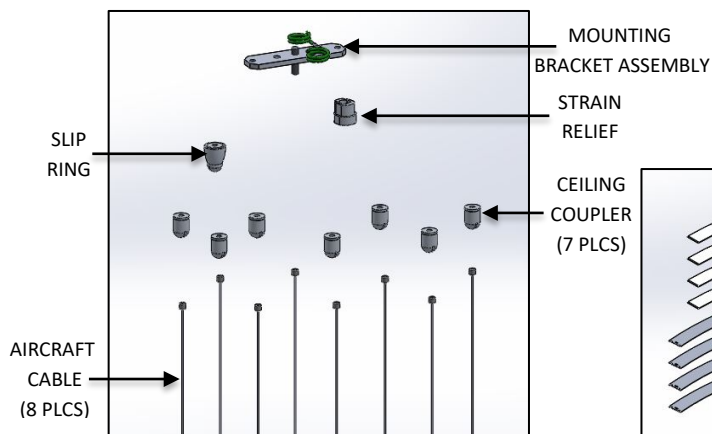


FIG. 5 - MOUNTING KIT CONTENTS

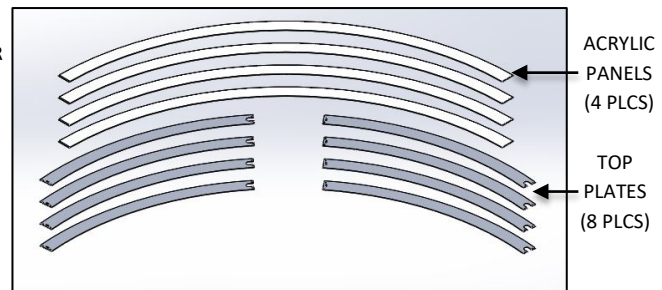


FIG. 6 - ACRYLIC PANELS & TOP PLATES

OCL Architectural Lighting

Phone: 314.863.1895

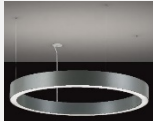
Fax: 314.863.3278

[www.ocllighting.com](http://www.ocllighting.com)

# SL1-P1EM-120-INSTALLATION INSTRUCTIONS

## MOUNTING:

1. Mark location for the NON-POWERED MOUNTING POINT according to the MOUNTING INFORMATION TABLE and FIG. 7.

MOUNTING INFORMATION TABLE							
SERIES	FIXTURE DIAMETER	FIXTURE WEIGHT	MOUNTING DISTANCE			MOUNTING POINT	MIN/MAX OAH
			A	B	C		
 SL1(SOLO)	120"	100LBS	41.25"	58.375"	116.75"	8	8"/144"

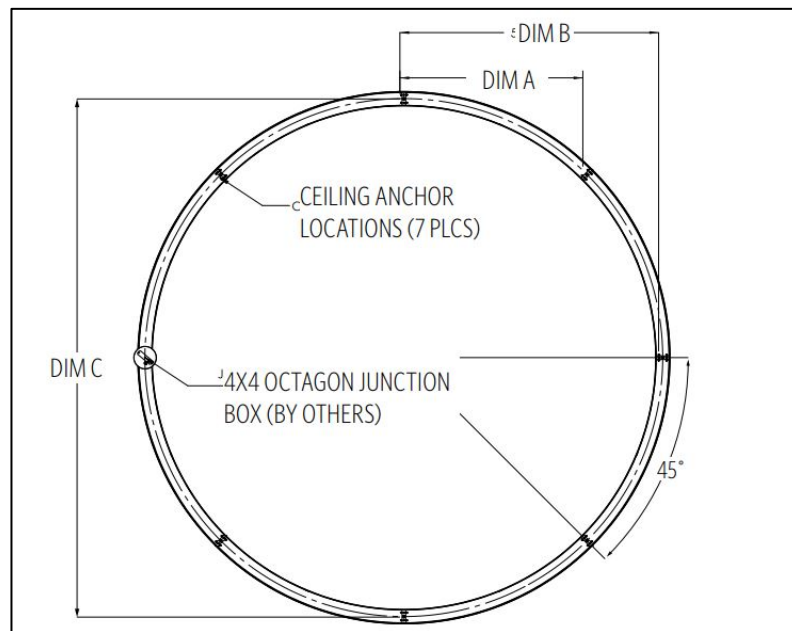


FIG. 7 - TOP VIEW SHOWING MOUNTING VIEW INFORMATION

2. Dis-assemble the CEILING COUPLER into two components CC-BASE, CC-HOLDER as shown in FIG. 8.

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

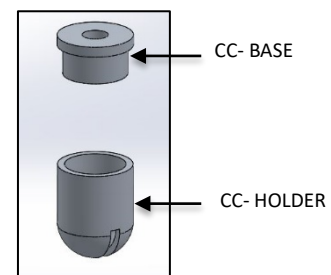


FIG. 8 - CEILING COUPLER ASSEMBLY

OCL Architectural Lighting

Phone: 314.863.1895  
Fax: 314.863.3278

[www.oclighting.com](http://www.oclighting.com)

### SOLO 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 4).

**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. 9.

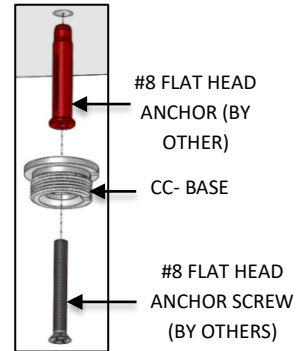


FIG. 9- HARD CEILING  
INSTALLATION

### SOLO 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 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.

- 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. 10.

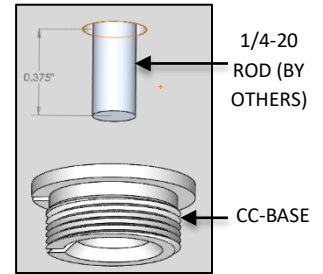


FIG. 10 - GRID CEILING  
INSTALLATION

### SOLO MOUNTING [NON-POWERED POINT AIRCRAFT CABLE]:

- Locate the AIRCRAFT CABLES. Feed all the AIRCRAFT CABLE through the CC-HOLDER. Once fed all the way through, screw CC-BASE and CC-HOLDER together as shown in FIG. 11.

- Repeat step 7 for the remaining 7 AIRCRAFT CABLES.

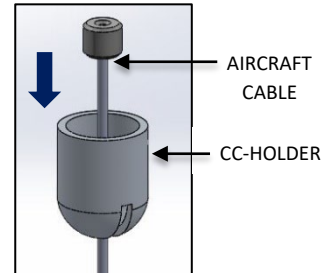


FIG. 11 - SS ROPE CABLE  
INSTALLATION

### SOLO MOUNTING [CANOPY]:

- Remove STRAIN RELIEF placed around the CORD in the CANOPY. Dis-assemble the SLIP RING COUPLER (1) into three components SRC-BASE, SRC-HOLDER and SRC-FINIAL as shown below in FIG.12.
- Assemble the SRC BASE to the SCREW (Available in mounting bracket assembly) as shown below in FIG.13.

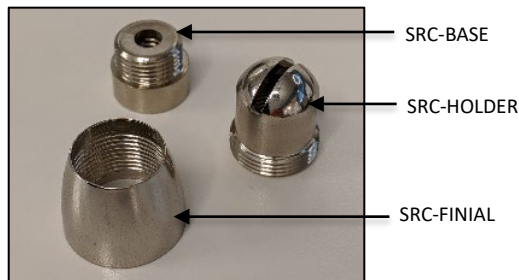


FIG. 12 - SLIP RING COUPLER (1)  
CONTENTS

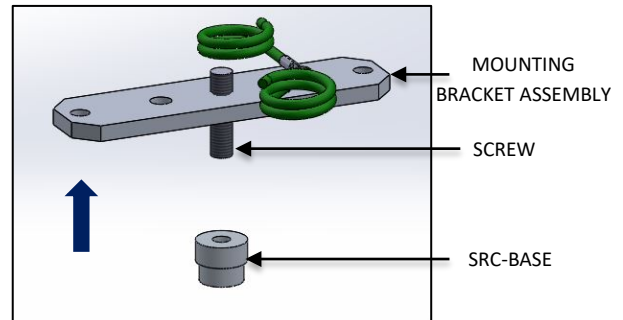


FIG. 13 -SRC-BASE INSTALLATION

OCL Architectural Lighting

Phone: 314.863.1895

Fax: 314.863.3278

[www.ocl.com](http://www.ocl.com)

11. Assemble the MOUNTING BRACKET ASSEMBLY to the JUNCTION BOX the fixture will mount to (by others) with screws (by others) as shown in below FIG. 14 below.
12. Feed the AIRCRAFT CABLE through the SRC-HOLDER and assemble the SRC-HOLDER to SRC-BASE as shown below in FIG. 15.

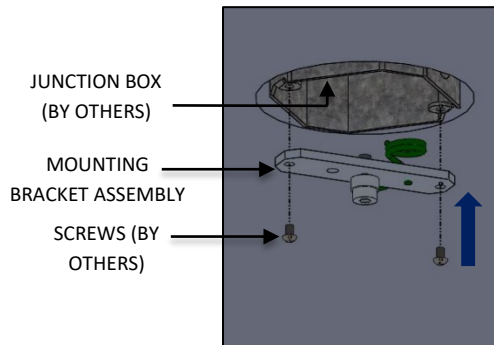


FIG. 14 – MOUNTING BRACKET ASSEMBLY INSTALLATION

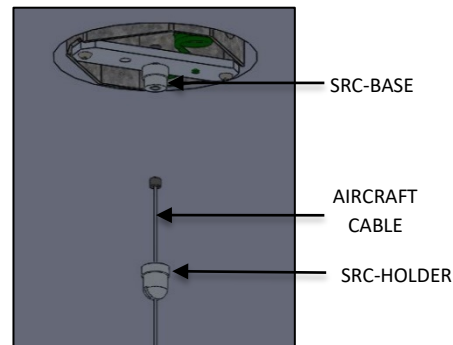


FIG. 15– AIRCRAFT CABLE INSTALLATION

13. Pass the remaining Aircraft cable through the canopy and SRC-FINIAL. Loosely secure CANOPY to the ceiling by threading the SRC-FINIAL to the SRC-HOLDER as shown in FIG. 16.

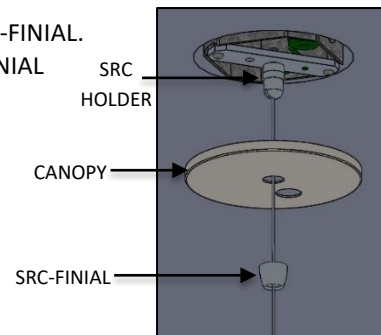


FIG. 16 – CANOPY INSTALLATION

14. Raise the first section of the fixture with multiple people and feed the AIRCRAFT CABLES into the GRIPLOCKS 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. 17.
  - a. 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.
  - d. Proper CABLE adjustment is critical for these FIXTURES. Improper CABLE adjustment will result in uneven tension and may cause the FIXTURE BODY to bow.

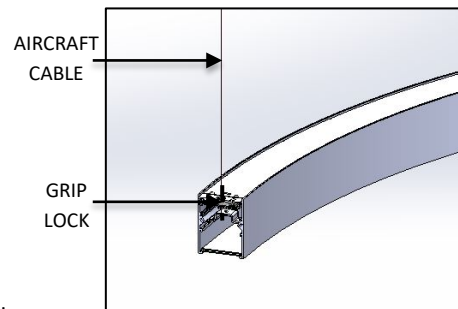


FIG. 17 – FIXTURE INSTALLATION

**WARNING:**


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

15. Repeat step 14 for the remaining three sections.
16. Connect the Wire Harness in series from section 1 and section 2 as shown in FIG. 18.
17. Repeat the step 16 for remaining two sections.
18. Connect two sections by lining up the dowel pins and pushing the sections together. Install the #10-32 bolt & nut and tighten as shown in FIG. 19. This pulls the reflectors together.

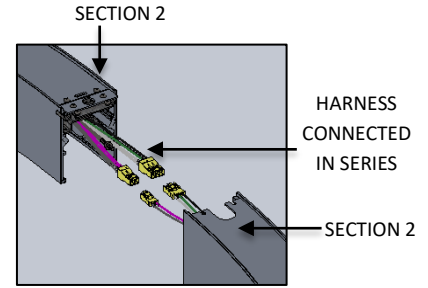


FIG. 18 – HARNESS CONNECTION

19. Loosen the 2 #8 screws on top of the hanging bracket and slide the bracket over so that it is centered over the seam between section 1 & section 2 as shown in FIG. 20. Tighten the #8 screws so the bracket stays in place.

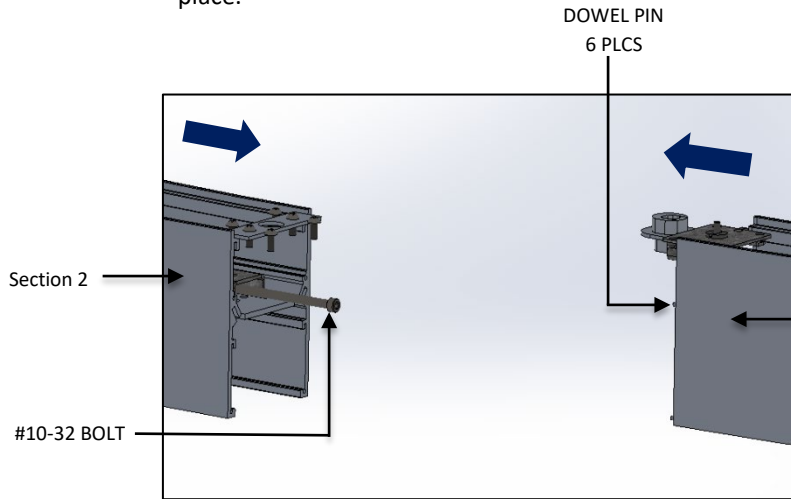


FIG. 19 – SECTIONS INSTALLATION

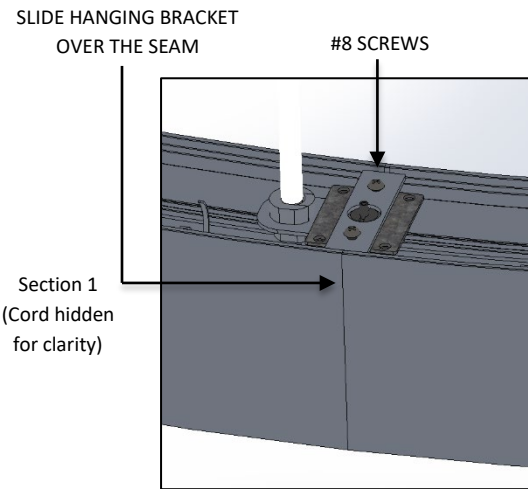


FIG. 20 – BRACKETS INSTALLATION

20. Repeat steps 16 & 17 for the remaining SECTIONS. Make sure all the SECTIONS are plugged together.
21. Once the SOLO BODY is secured to the AIRCRAFT CABLE (8) at the GRIPLOCK (8) Unthread the FINIAL from the MOUNTING BRACKET ASSEMBLY and lower the CANOPY as shown below in FIG. 21.
22. Feed POWER CORD through the second Hole in the CANOPY and secure CORD to CAOPY with CORD STRAIN RELIEF as shown below in FIG. 22.

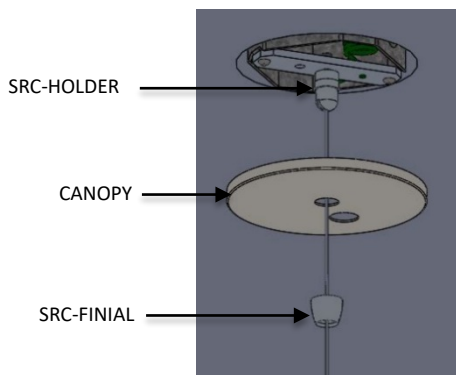


FIG. 21 – CANOPY DIS-ASSEMBLY

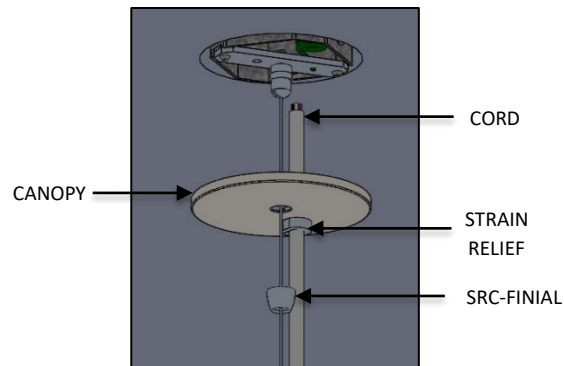


FIG. 22 – CORD INSTALLATION

OCL Architectural Lighting

Phone: 314.863.1895

Fax: 314.863.3278

[www.ocl.com](http://www.ocl.com)

## SL1-P1EM-120-INSTALLATION INSTRUCTIONS

23. See WIRE DIAGRAM as shown in FIG. 23 and WIRE LABEL TABLE below for wire connections. Make all wire connections in accordance with the NATIONAL ELECTRICAL CODE and all applicable LOCAL AND STATE CODES.

WIRE LABEL TABLE	
WIRE COLOR	LABEL
BLACK	LINE VOLTAGE
WHITE	NEUTRAL
GREEN	GROUND
DM1 DIMMING OPTION:	
PURPLE	0-10V DIMMING (+)
GREY	0-10V DIMMING (-)

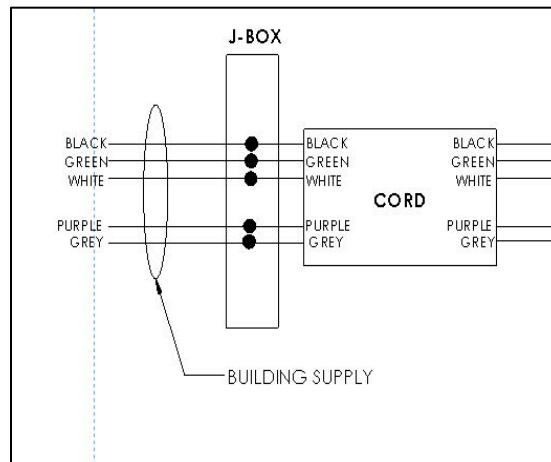


FIG. 23 – WIRE DIAGRAM

24. Raise CANOPY and secure to ceiling by threading the SRC-FINIAL to SRC-HOLDER.as shown below in FIG.24.

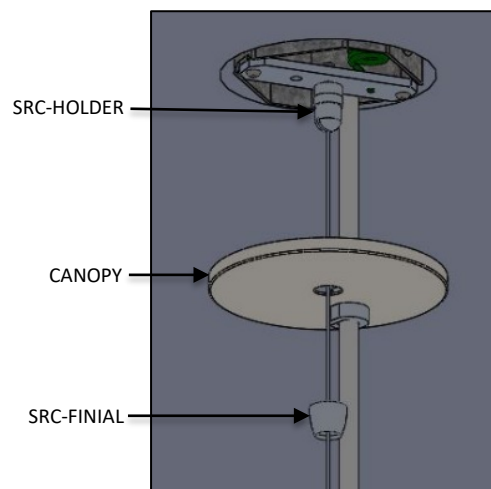


FIG. 24 – FINIAL INSTALLATION

**OCL Architectural Lighting**

Phone: 314.863.1895

Fax: 314.863.3278

[www.ocl.com](http://www.ocl.com)



## SL1-P1EM-120-INSTALLATION INSTRUCTIONS

25. Install the 8 Aluminum TOP PLATES with the #8 screws provided as shown in FIG. 25.

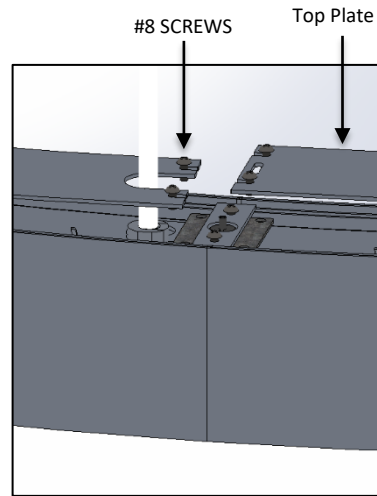


FIG. 25 – TOP PLATE INSTALLATION

26. Install the ACRYLIC PANELS into the fixture. Make sure that the seams on the ACRYLIC PANELS overlap and there are no gaps in the seams. Verify that the ACRYLIC PANELS are laying flat and positioned evenly.

27. Restore power to circuit the SOLO 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.

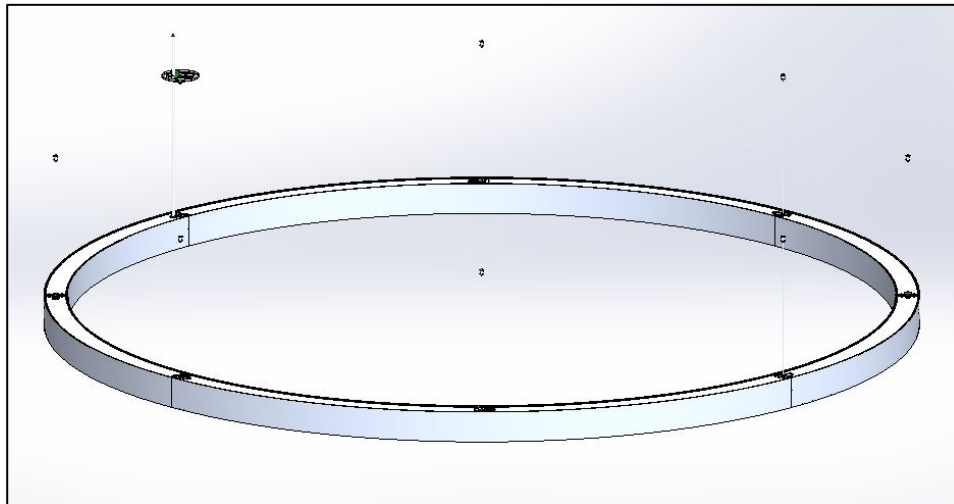


FIG. 26 - COMPLETED INSTALLATION OF SL1 PENDANT WITH P1EM HANGING SYSTEM

OCL Architectural Lighting

Phone: 314.863.1895

Fax: 314.863.3278

[www.ocl.com](http://www.ocl.com)