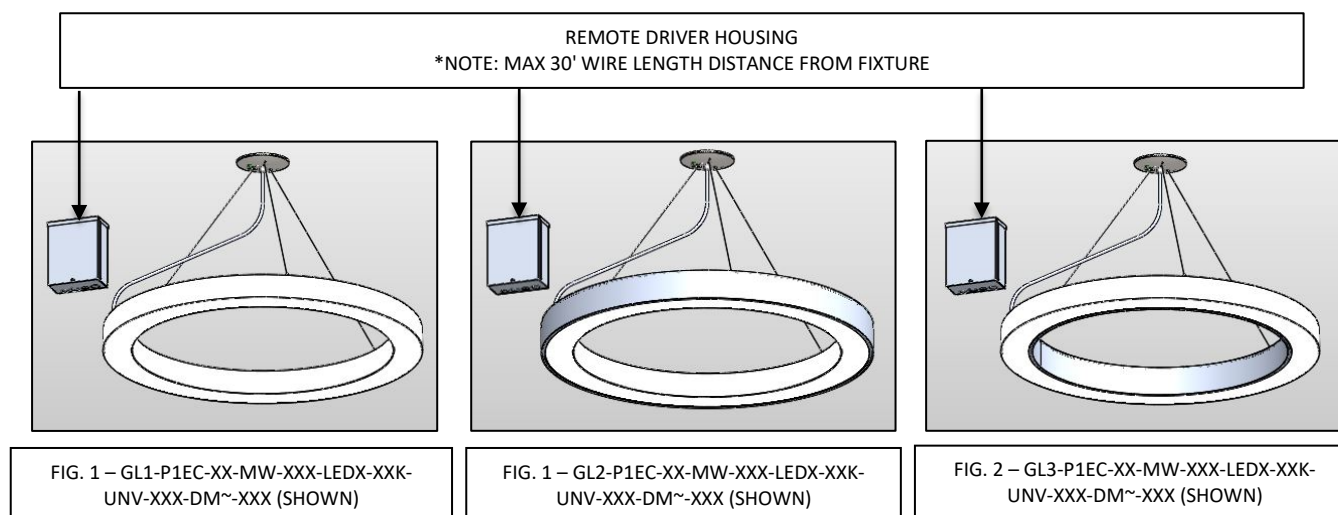


INSTALLATION INSTRUCTIONS

GLOWRING PENDANT WITH P1EC HANGING SYSTEM

These instructions cover the GLOWRING luminaire with the following options:

SERIES	HANGING SYSTEM	SIZE	LIGHT SOURCE	CONTROL	WIRE DIAGRAM
1. GL1(GLOWRING)	P1EC: PENDANT WITH ANGLED AIRCRAFT CABLES AND POWER CORD TO CANOPY (REMOTE DRIVER)	24"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 5
2. GL2(GLOWRING OUTER TRIM)		36"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 5
		48"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 6
3. GL3(GLOWRING INNER TRIM)		60"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 7
		72"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 7



GENERAL NOTES:

- PLEASE COMPLETELY READ THE INSTALL INSTRUCTIONS BEFORE STARTING INSTALLATION.
- INSTALL IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES CONSULT WITH A QUALIFIED ELECTRICIAN FOR PROPER INSTALLATION.
- 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.
- 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.
- DO NOT LET THE GLOWRING LUMINAIRE HANG FREE UNTIL ALL THE AIRCRAFT CABLES ARE SECURED AND EVENLY TENSIONED.
- KEEP HANDS AWAY FROM THE SILICONE DIFFUSER. DO NOT TOUCH IT AT ALL TIMES.
- 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.

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GLX-P1EC-ALLSIZES_INSTALLATION INSTRUCTIONS

GENERAL INFORMATION:

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

1. GLOWRING LUMINAIRE. (Pre-assembled as shown in FIG. 4)
2. REMOTE DRIVER BOX WITH DRIVER INSTALLED (as shown in FIG. 5)
3. INSTALLATION INSTRUCTIONS (shown in FIG. 6) - Please completely read the install instructions before starting installation.
4. RED BAG (shown in FIG. 6) contains below following items
 - a. CANOPY (shown in FIG. 7)
 - b. MOUNTING KIT CONTENTS (as shown in FIG. 8)
 - i. THREE (3) AIRCRAFT CABLES
 - ii. MOUNTING BRACKET ASSEMBLY
 - iii. FINIAL

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.

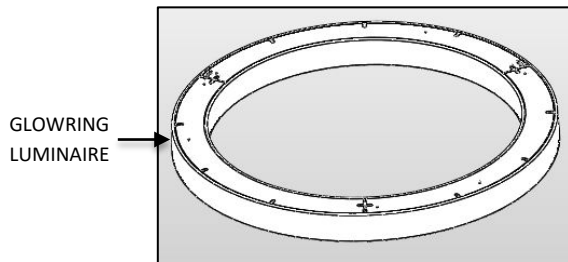


FIG. 4 GLOWRING LUMINAIRE (PRE-ASSEMBLED)

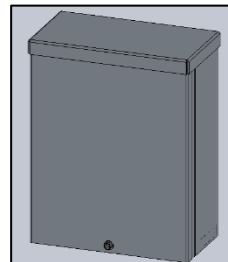


FIG. 5 - REMOTE DRIVER BOX WITH DRIVER INSTALLED

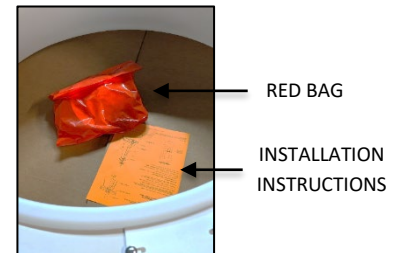


FIG. 6 RED BAG AND INSTALLATION INSTRUCTIONS

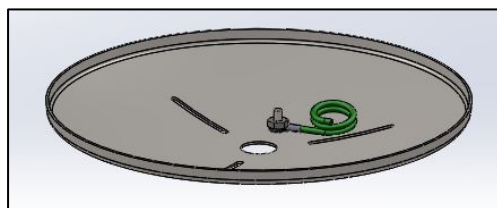


FIG. 7 CANOPY

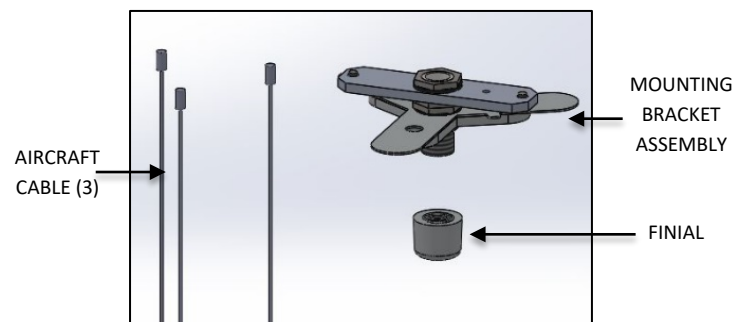


FIG. 8 MOUNTING KIT CONTENTS

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REMOTE DRIVER MOUNTING:

1. Shut off power.
2. Remove the lid of the REMOTE DRIVER HOUSING as shown in FIG. 9.
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. Depending upon the size of the fixture (see WIRE DIAGRAM TABLE on Page 5 for correct Wire Diagram) run (1) set of positive and negative 16 or larger gauge wire (by others) or (2) set of 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 1 LED output (+) and positive 16 or larger gauge wire (1st set).
 - Driver 1 LED output (-) and negative 16 or larger gauge wire (1st set).
 - Driver 2 LED output (+) and positive 16 or larger gauge wire (2nd set).
 - Driver 2 LED output (-) and negative 16 or larger gauge wire (2nd set).
 - Dimming wires as shown on the driver in FIG. 10 and FIG. 11 below.

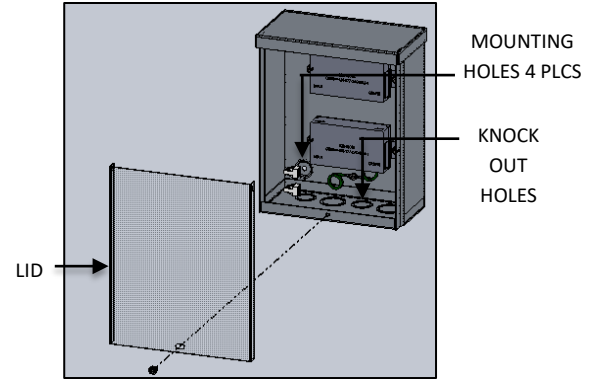


FIG. 9 – REMOTE DRIVER BOX INSTALLATION

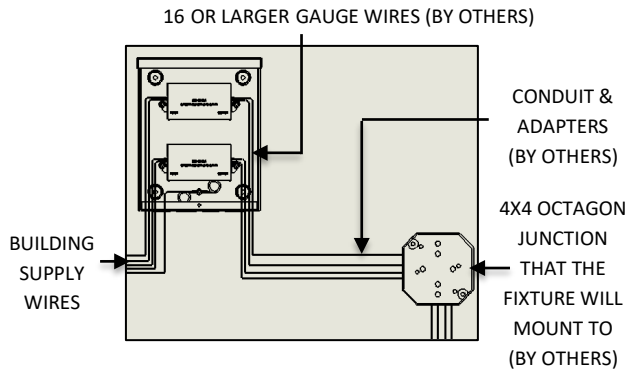


FIG. 10 – TWO DRIVER REMOTE BOX SETUP FOR 24" & 36" SERIES

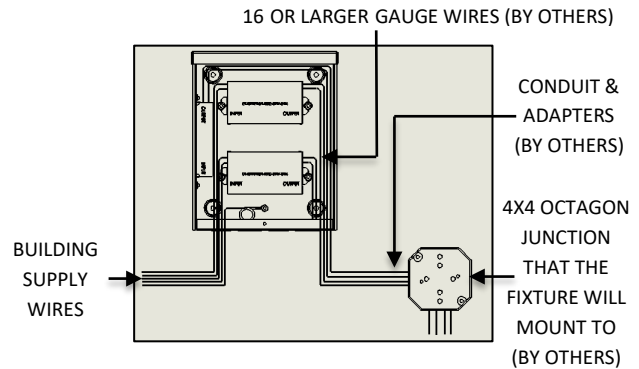


FIG. 11 – THREE DRIVER REMOTE BOX SETUP FOR 48" SERIES

- Driver 3 (if applicable) LED output (+) and positive 16 or larger gauge wire (3rd set).
- Driver 3 (if applicable) LED output (-) and negative 16 or larger gauge wire (3rd set).
- Driver 4 (if applicable) LED output (+) and positive 16 or larger gauge wire (4th set).
- Driver 4 (if applicable) LED output (-) and negative 16 or larger gauge wire (4th set).

- Dimming wires as shown on the driver in FIG. 12.

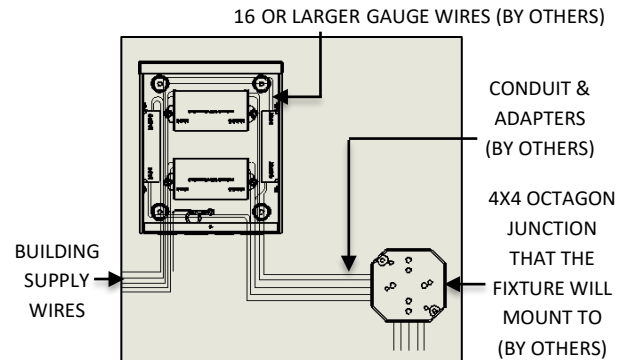


FIG. 12 – FOUR DRIVER REMOTE BOX SETUP FOR 60" & 72" SERIES

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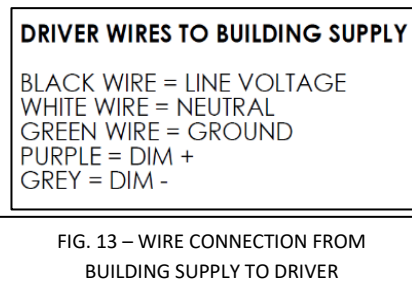
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GLX-P1EC-ALLSIZES_INSTALLATION INSTRUCTIONS

1. Connect building supply wires to the driver. See WIRE DIAGRAM TABLE below for correct WIRE DIAGRAM, and wire connections. Make all wire connections in accordance with the national electrical code and all applicable local and state codes. Install the lid on the remote driver housing once connections are done.

WIRE DIAGRAM TABLE						
SERIES	HANGING SYSTEM	BODY SIZE	LIGHT SOURCE	LED OUTPUT	CONTROL	WIRE DIAGRAM
1. GL1(GLOWRING)	P1EC	24"	STATIC WHITE	LED1	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 5
				LED2		
2. GL2(GLOWRING OUTER TRIM)	P1EC	36"	STATIC WHITE	LED1	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 5
				LED2		
3. GL3(GLOWRING INNER TRIM)	P1EC	48"	STATIC WHITE	LED1	0-10V DIM 1% (DM1)	WIRE DIAGRAM B ON PAGE 6
				LED2		
3. GL3(GLOWRING INNER TRIM)	P1EC	60"	STATIC WHITE	LED1	0-10V DIM 1% (DM1)	WIRE DIAGRAM C ON PAGE 7
				LED2		
3. GL3(GLOWRING INNER TRIM)	P1EC	72"	STATIC WHITE	LED1	0-10V DIM 1% (DM1)	WIRE DIAGRAM C ON PAGE 7
				LED2		

WIRE DIAGRAM A (FOR 24" & 36"):



WIRE LABEL TABLE		
CONTROL	WIRE COLOR	LABEL
ALL	RED	DRIVER 1 LED (+)
ALL	BLACK	DRIVER 1 & 2 LED (-)
ALL	RED/WHITE	DRIVER 2 LED (+)
ALL	RED/PURPLE	-
ALL	RED/GREY	-

FIG. 14 – WIRE CONNECTION FROM DRIVER TO FIXTURE CORD

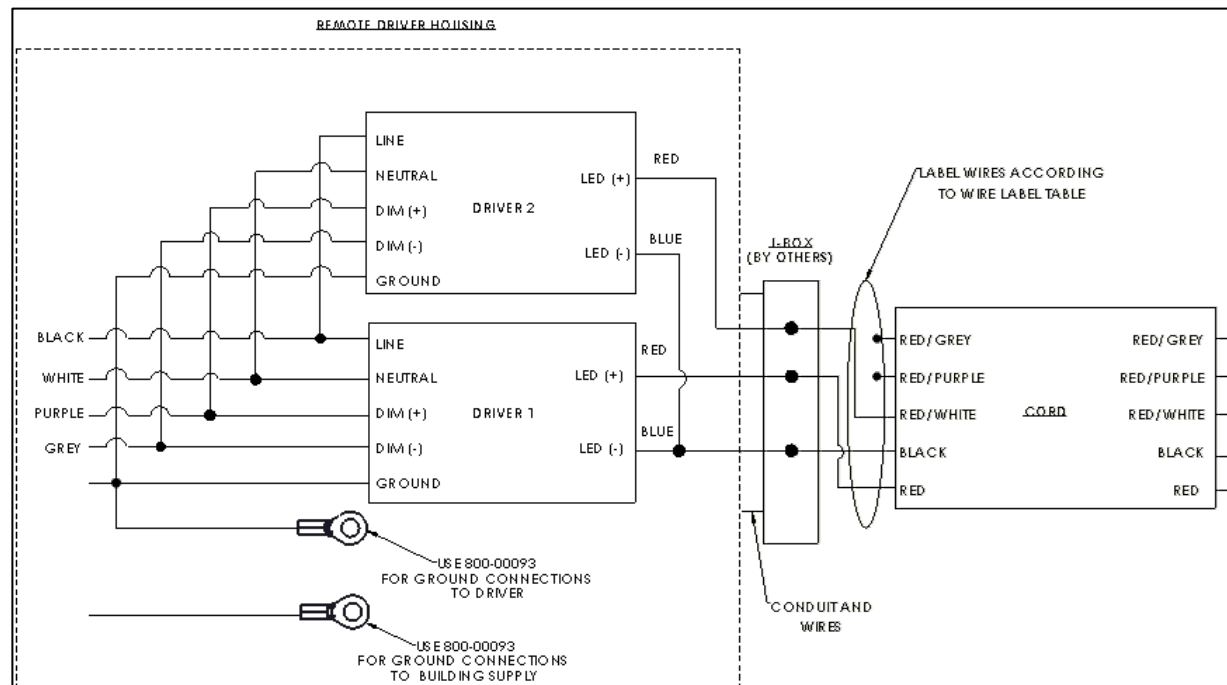


FIG. 15 – WIRE DIAGRAM FOR 24" & 36" SERIES

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WIRE DIAGRAM B (FOR 48"):

DRIVER WIRES TO BUILDING SUPPLY

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

FIG. 16 – WIRE CONNECTION FROM BUILDING SUPPLY TO DRIVER

WIRE LABEL TABLE

CONTROL	WIRE COLOR	LABEL
ALL	RED	DRIVER 1 LED (+)
ALL	BLACK	DRIVER 1,2 & 3 LED (-)
ALL	RED/WHITE	DRIVER 2 LED (+)
ALL	RED/PURPLE	DRIVER 3 LED (+)
ALL	RED/GREY	CAPOFF

FIG. 17 – WIRE CONNECTION FROM DRIVER TO FIXTURE CORD

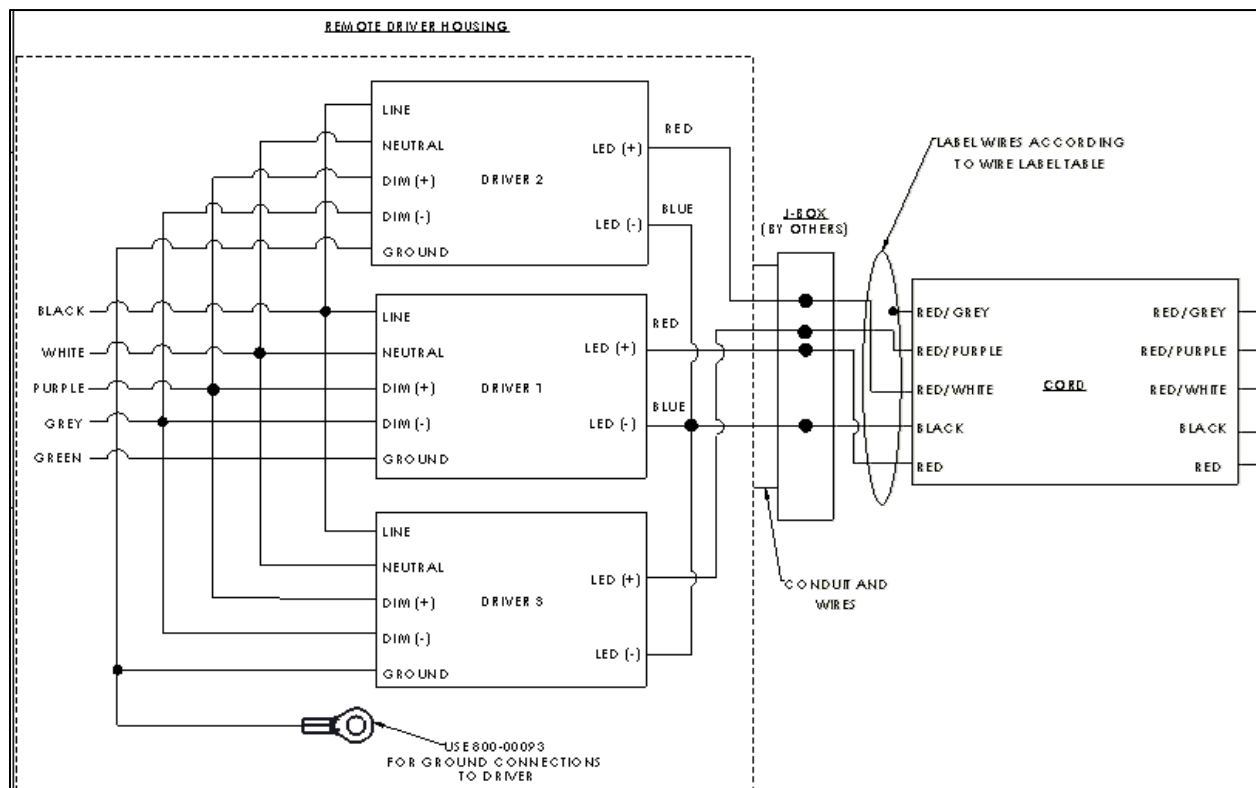


FIG. 18 – WIRE DIAGRAM FOR 48" SERIES

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WIRE DIAGRAM C (FOR 60" & 72"):

DRIVER WIRES TO BUILDING SUPPLY

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

FIG. 19 – WIRE CONNECTION FROM BUILDING SUPPLY TO DRIVER

WIRE LABEL TABLE

CONTROL	WIRE COLOR	LABEL
ALL	RED	DRIVER 1 LED (+)
ALL	BLACK	DRIVER 1,2,3 & 4 LED (-)
ALL	RED/WHITE	DRIVER 2 LED (+)
ALL	RED/PURPLE	DRIVER 3 LED (+)
ALL	RED/GREY	DRIVER 4 LED (+)

FIG. 20 – WIRE CONNECTION FROM DRIVER TO FIXTURE CORD

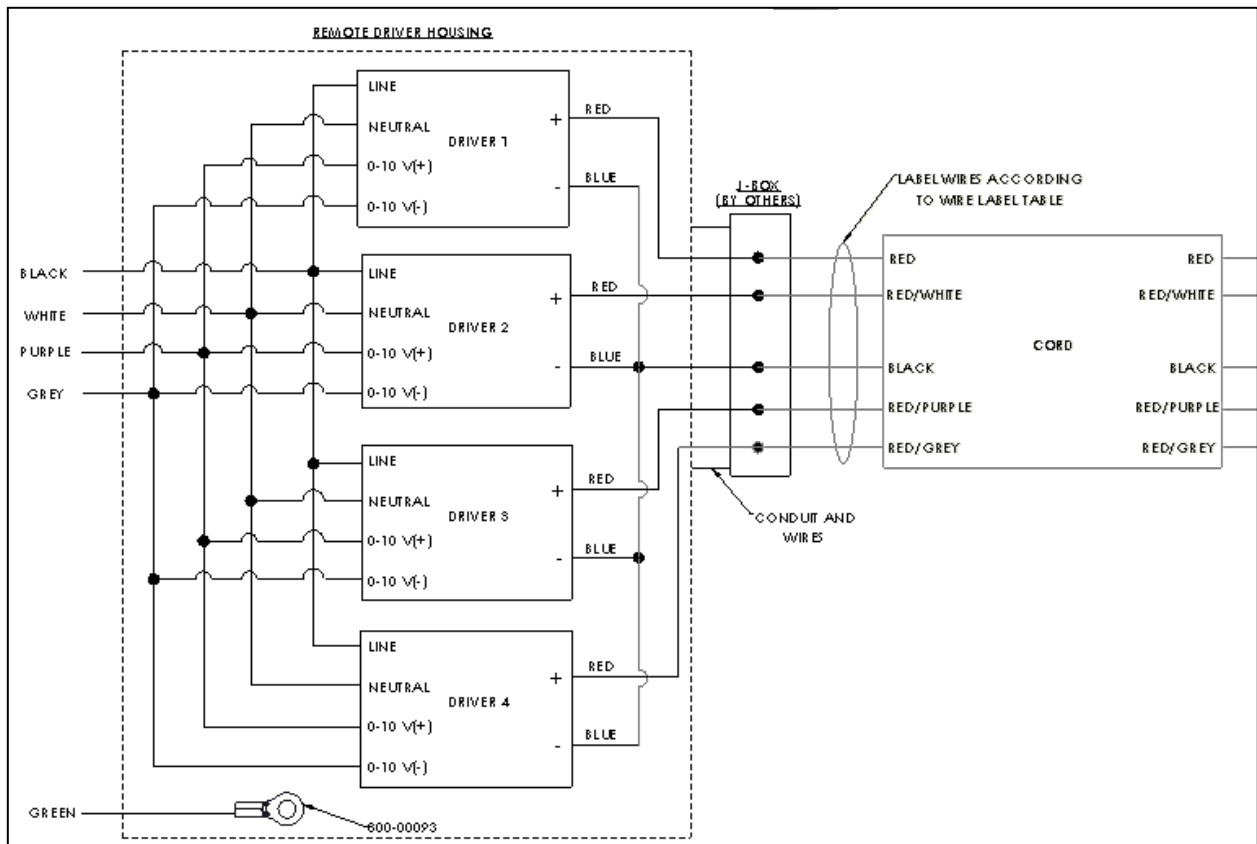





FIG. 21 – WIRE DIAGRAM FOR 60" & 72" SERIES

MOUNTING:

1. Mark location for the NON-POWERED MOUNTING POINT according to the MOUNTING INFORMATION TABLE and FIG. 22.

SERIES	FIXTURE DIAMETER	FIXTURE WEIGHT	MOUNTING POINT	MIN/MAX OAH
 GL1(GLOWRING)	24"	23LBS	1	24"/144"
 GL2(GLOWRING OUTER TRIM)	36"	31LBS	1	24"/144"
 GL3(GLOWRING INNER TRIM)	48"	41LBS	1	30"/144"
	60"	50LBS	1	36"/144"
	72"	58LBS	1	36"/144"

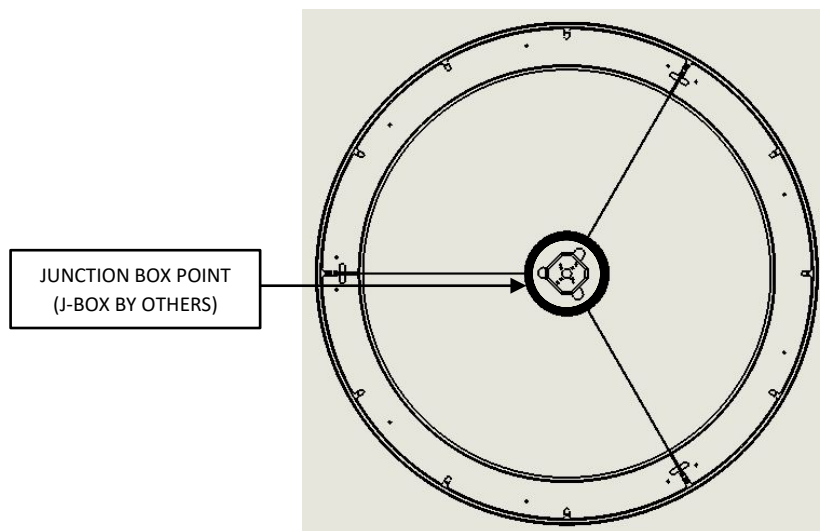


FIG. 22 - TOP VIEW SHOWING MOUNTING VIEW

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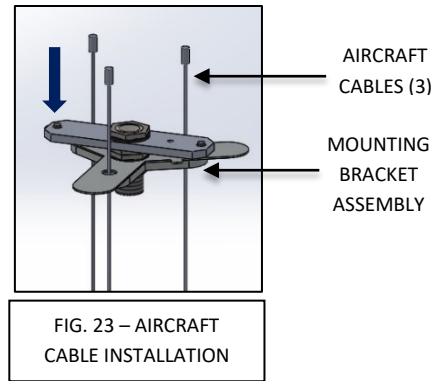
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GLOWRING MOUNTING [CANOPY]:

2. Feed the AIRCRAFT CABLES (3) through the holes of MOUNTING BRACKET ASSEMBLY as shown in FIG. 23.



3. Secure the MOUNTING BRACKET ASSEMBLY along with AIRCRAFT CABLES to the JUNCTION BOX (by others) as shown below in FIG. 24.
4. Feed the remaining AIRCRAFT CABLES (3) from the MOUNTING BRACKET ASSEMBLY through the slots of the CANOPY. Loosely secure CANOPY to the ceiling by threading the FINIAL to the MOUNTING BRACKET ASSEMBLY as shown below in FIG. 25.

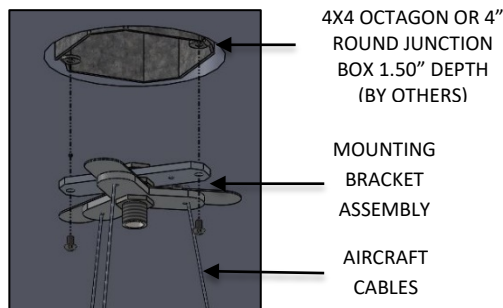


FIG. 24 – MOUNTING BRACKET ASSEMBLY

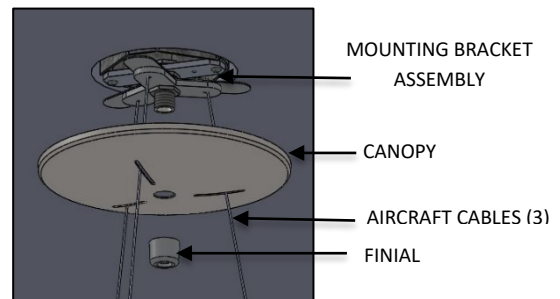


FIG. 25 – CANOPY INSTALLATION

5. Locate the GLOWRING LUMINAIRE and with multiple people raise up GLOWRING LUMINAIRE to AIRCRAFT CABLES.

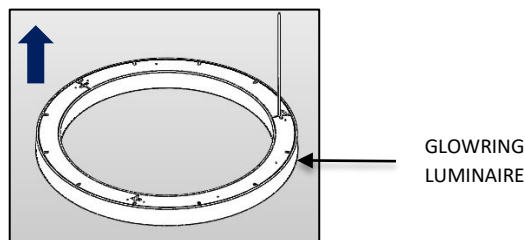


FIG. 26 – LUMINAIRE INSTALLATION

WARNING:



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

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6. 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. 27.

- 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.

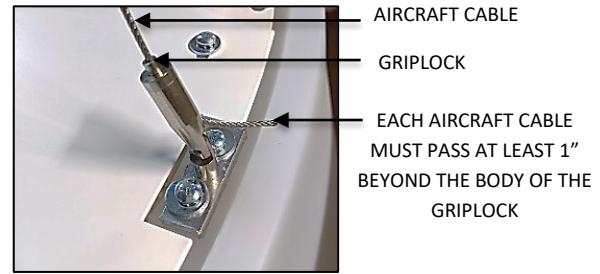


FIG. 27 – AIRCRAFT CABLE INSTALLATION

7. Once the GLOWRING BODY is secured to the AIRCRAFT CABLE (3) at the GRIPLOCK (3) Unthread the FINIAL from the MOUNTING BRACKET ASSEMBLY and lower the CANOPY as shown below in FIG. 28.
8. Feed POWER CORD through the center hole IN THE CANOPY and make secure connection by passing through the NIPPLE (available in mounting bracket assembly) as shown below in FIG. 29.

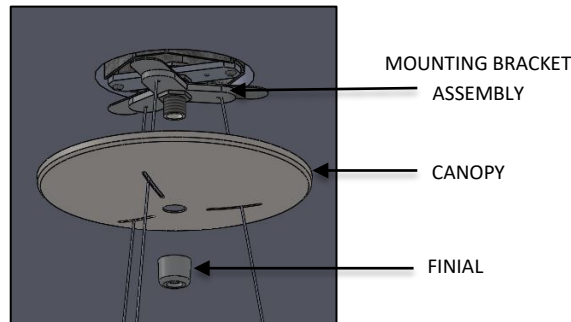


FIG. 28 – CANOPY DISASSEMBLY

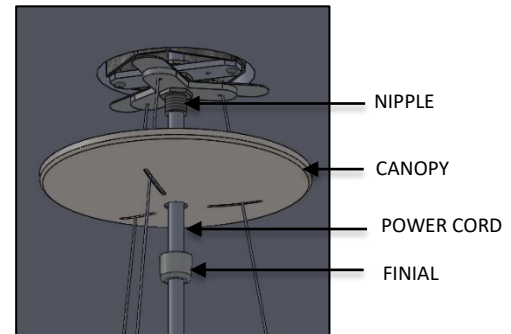


FIG. 29 – CORD INSTALLATION

9. 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, 6 and 7 for corresponding models.
10. Raise CANOPY and secure to ceiling by threading the FINIAL to the NIPPLE (available in MOUNTING BRACKET ASSEMBLY) as shown below in FIG. 30.

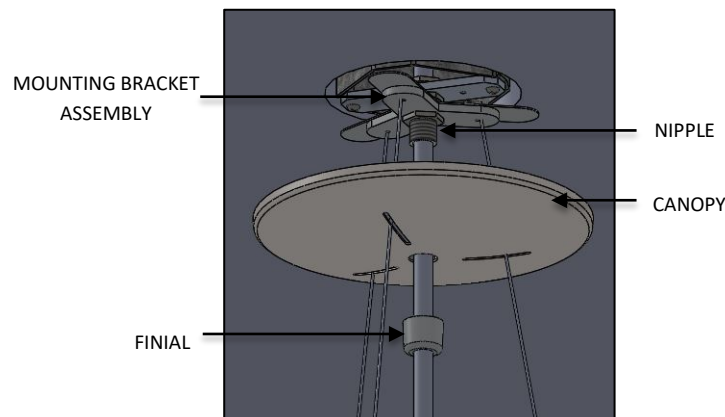


FIG. 30 – FINIAL INSTALLATION

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11. Restore power to circuit the GLOWRING 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.

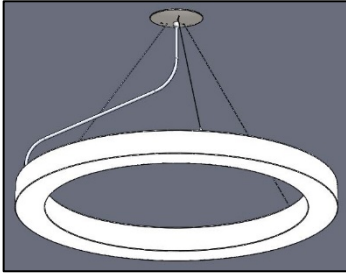


FIG. 31 - COMPLETED INSTALLATION OF GLOWRING PENDANT WITH P1EC HANGING SYSTEM GL1 (GLOWRING) (SHOWN)

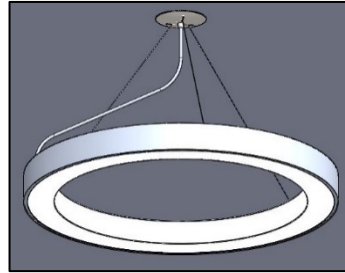


FIG. 32 - COMPLETED INSTALLATION OF GLOWRING PENDANT WITH P1EC HANGING SYSTEM GL2 (GLOWRING OUTER TRIM) (SHOWN)

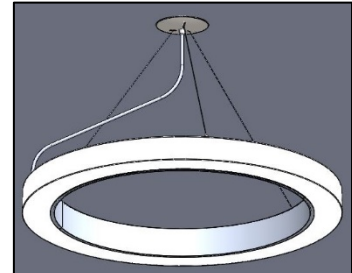


FIG. 33 - COMPLETED INSTALLATION OF GLOWRING PENDANT WITH P1EC HANGING SYSTEM GL3 (GLOWRING INNER TRIM) (SHOWN)

12. If there is option for Acoustic Panel, place the Acoustic part above the fixture body such that it is eventually balanced and assembly concentrically to the axis of fixture body as shown in FIG. 34, 35 & 36 below.

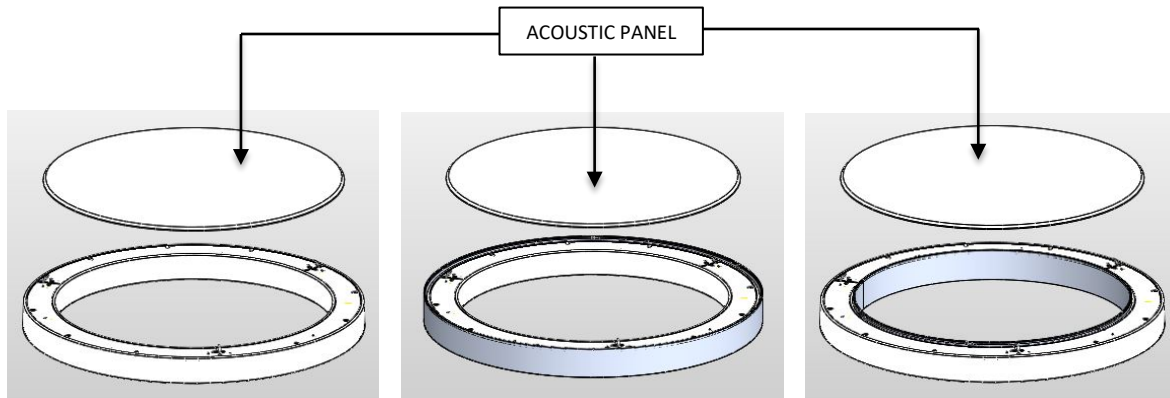


FIG. 34 - GL1-P1EC-STATICWHITE SERIES (WITH ACOUSTIC PANEL)

FIG. 35 - GL2-P1EC- STATICWHITE SERIES (WITH ACOUSTIC PANEL)

FIG. 36 - GL3-P1EC- STATICWHITE SERIES (WITH ACOUSTIC PANEL)