

INSTALLATION INSTRUCTIONS

GLOWRING PENDANT WITH P1DA HANGING SYSTEM

These instructions cover the GLOWRING luminaire with the following options:

SERIES	HANGING SYSTEM	SIZE	LIGHT SOURCE	CONTROL	WIRE DIAGRAM
1. GL1(GLOWRING) 2. GL2(GLOWRING OUTER TRIM) 3. GL3(GLOWRING INNER TRIM)	P1DA: PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY WITH INTEGRAL DRIVER	24"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 7
		36"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 7
		48"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 8
		60"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM A ON PAGE 9
		72"	STATIC WHITE	0-10V DIM 1% (DM1)	WIRE DIAGRAM B ON PAGE 9

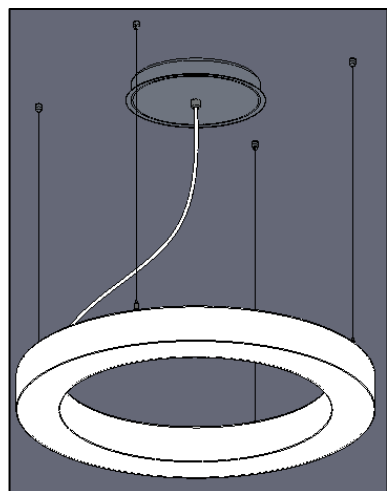


FIG. 1 - GL1-P1DA-XX-MW-XXX-LEDX_XXK-UNV-XXX-DM~XXX (SHOWN)

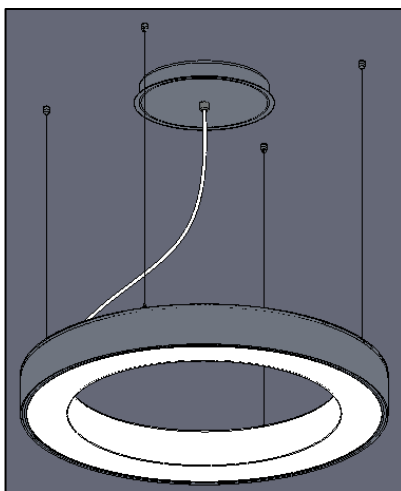


FIG. 2 – GL2-P1DA-XX-MW-XXX-LEDX_XXK-UNV-XXX-DM~XXX (SHOWN)

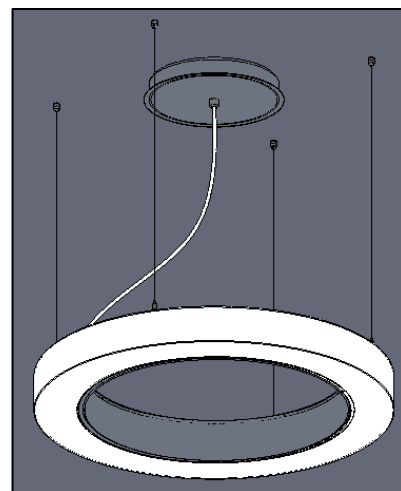


FIG. 3 – GL3-P1DA-XX-MW-XXX-LEDX_XXK-UNV-XXX-DM~XXX (SHOWN)

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.
- 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.
- 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.

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Table of Contents

GENERAL INFORMATION:	3
GLOWRING MOUNTING:	4
GLOWRING MOUNTING [HARD CEILING]:	5
GLOWRING MOUNTING [GRID CEILING]:	5
GLOWRING MOUNTING [NON-POWERED POINT AIRCRAFT CABLE]:	5
GLOWRING MOUNTING [CANOPY]:	6
WIRE DIAGRAM A (FOR 24" & 36"):	7
WIRE DIAGRAM B (FOR 48"):	8
WIRE DIAGRAM C (FOR 60" & 72"):	9

GENERAL INFORMATION:

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

1. GLOWRING LUMINAIRE. (Pre-assembled as shown in FIG. 4)
2. CANOPY WITH DRIVERS 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)
 - a. MOUNTING KIT (as shown in FIG. 7)
 - i. FOUR (4) AIRCRAFT CABLES
 - ii. FOUR (4) CEILING COUPLER (CC)

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.

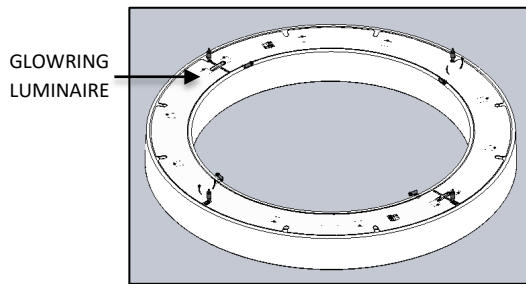


FIG.4 GLOWRING LUMINAIRE (PRE-ASSEMBLED)

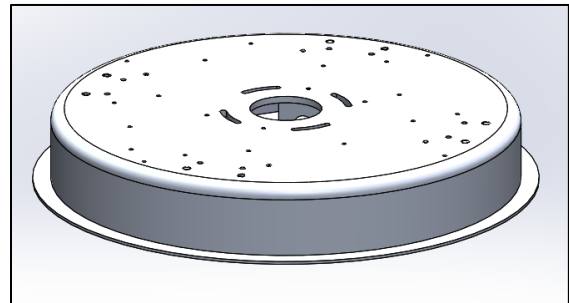


FIG. 5- CANOPY WITH DRIVER INSTALLED

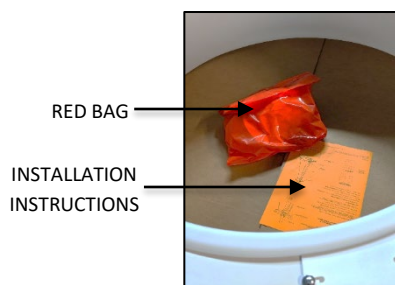


FIG.6 RED BAG AND
INSTALLATION
INSTRUCTIONS



FIG. 7 MOUNTING KIT

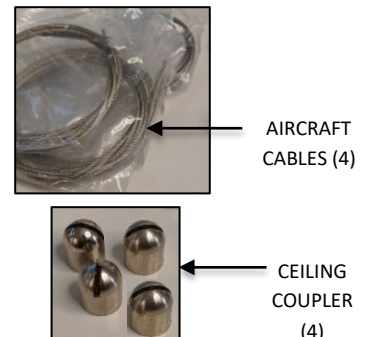


FIG. 8 MOUNTING KIT CONTENTS

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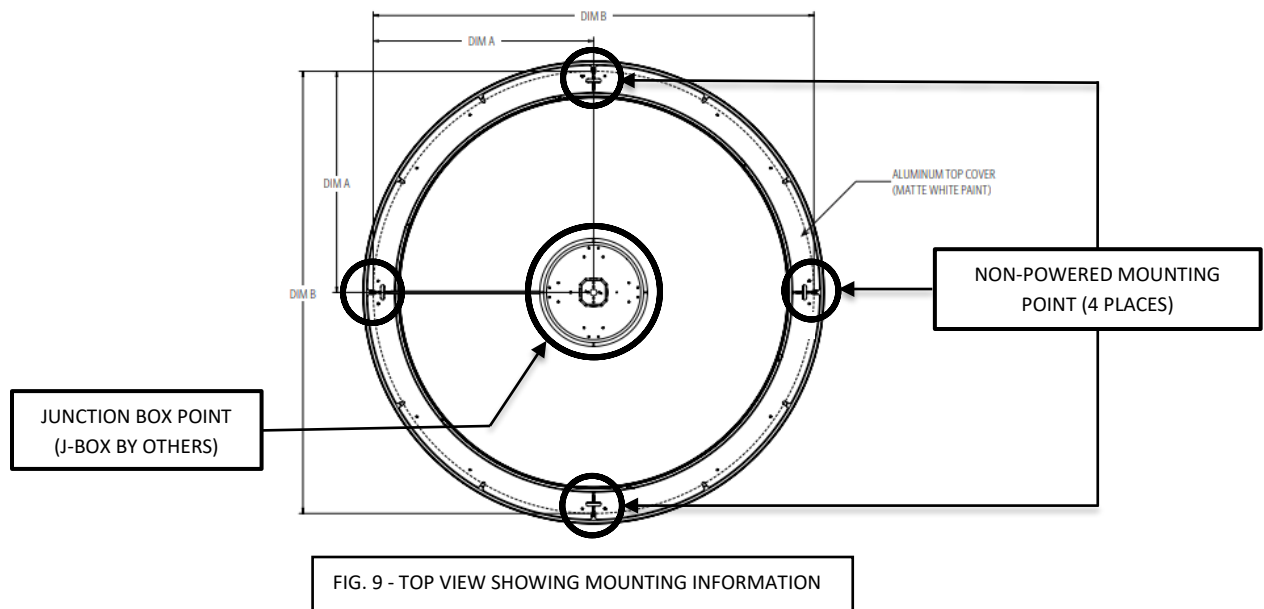
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GLX-P1DA-ALLSIZES_INSTALLATION INSTRUCTIONS

GLOWRING MOUNTING:

1. Mark location for the NON-POWERED MOUNTING POINT according to the MOUNTING INFORMATION TABLE and FIG. 9.

MOUNTING INFORMATION TABLE						
SERIES	FIXTURE DIAMETER	FIXTURE WEIGHT	MOUNTING DISTANCE DIM A	MOUNTING CIRCLE DIM B	MOUNTING POINT	MIN/MAX OAH
 GL1(GLOWRING)	24"	23LBS	10.67"	21.34"	4	12"/144"
	36"	31LBS	16.67"	33.34"	4	12"/144"
 GL2(GLOWRING OUTER TRIM)	48"	41LBS	22.67"	45.34"	4	12"/144"
	60"	50LBS	28.67"	57.34"	4	12"/144"
 GL3(GLOWRING INNER TRIM)	72"	58LBS	34.67"	69.34"	4	12"/144"



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2. Dis-assemble the CEILING COUPLER into two components CC-BASE and CC-HOLDER as shown in FIG. 10.

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

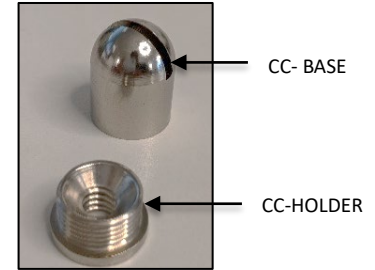


FIG. 10 - CEILING COUPLER ASSEMBLY

GLOWRING MOUNTING [HARD CEILING]:

3. 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.

4. 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. 11.

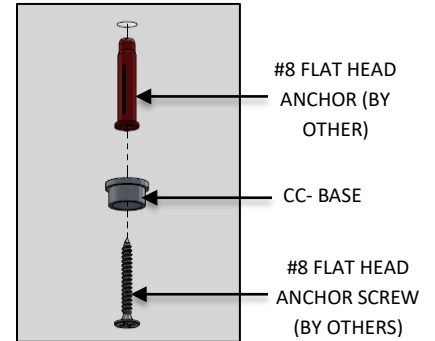


FIG. 11- HARD CEILING INSTALLATION

GLOWRING MOUNTING [GRID CEILING]:

5. 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.

6. 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. 12.

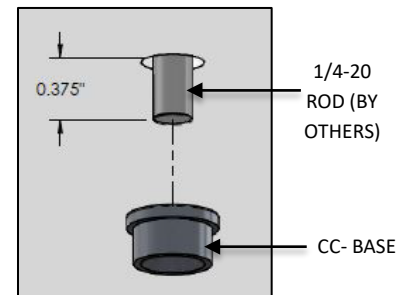


FIG. 12 – GRID CEILING INSTALLATION

GLOWRING MOUNTING [NON-POWERED POINT AIRCRAFT CABLE]:

7. Locate the AIRCRAFT CABLES from the mounting kit. all four (4) will be used in this step.

Feed the AIRCRAFT CABLES through the four (4) CC-HOLDER as shown in FIG. 13. Once the AIRCRAFT CABLE is feed through the CC-HOLDER, secure to the CC-BASE (mounted) at the four (4) non powered mounting locations as per the mounting information chart (page 4).

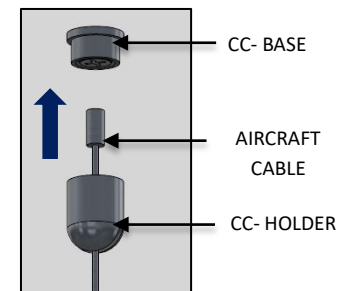


FIG. 13 – AIRCRAFT CABLE INSTALLATION

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GLX-P1DA-ALLSIZES_INSTALLATION INSTRUCTIONS

GLOWRING MOUNTING [CANOPY]:

1. Dis-assemble the FINIAL and the CANOPY PLATE from the CANOPY ASSEMBLY as shown in FIG. 14 below.

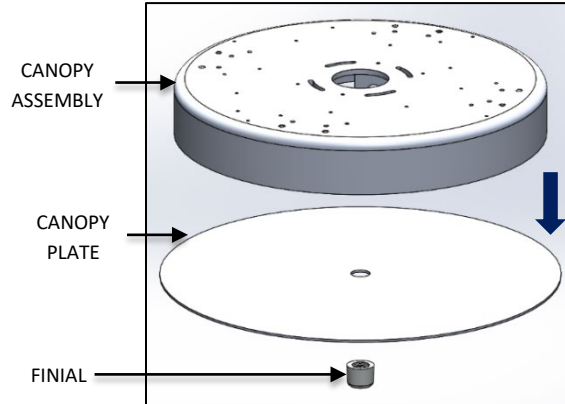


FIG. 14 – CANOPY DIS-ASSEMBLY

2. Assemble the CANOPY ASSEMBLY to the JUNCTION BOX (by others) with screws (by others) through the slot available at the center of CANOPY ASSEMBLY as shown in FIG. 15 below.

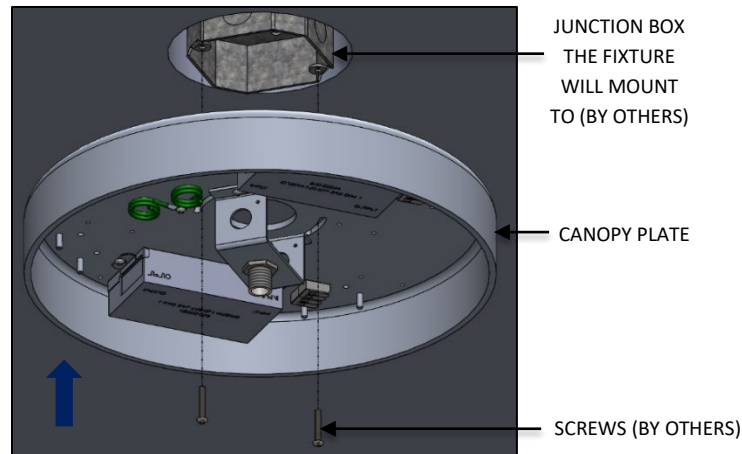


FIG. 15 – CANOPY ASSEMBLY INSTALLATION

3. 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.

WIRE DIAGRAM TABLE						
SERIES	HANGING SYSTEM	BODY SIZE	LIGHT SOURCE	LED OUTPUT	CONTROL	WIRE DIAGRAM
1. GL1(GLOWRING) 2. GL2(GLOWRING OUTER TRIM) 3. GL3(GLOWRING INNER TRIM)	P1EM	24"	STATIC WHITE	LED1 LED2	0-10V DIM 1% (DM1)	WIRE DIAGRAM B ON PAGE 7
	P1EM	36"	STATIC WHITE	LED1 LED2	0-10V DIM 1% (DM1)	WIRE DIAGRAM B ON PAGE 7
	P1EM	48"	STATIC WHITE	LED1 LED2	0-10V DIM 1% (DM1)	WIRE DIAGRAM C ON PAGE 8
	P1EM	60"	STATIC WHITE	LED1 LED2	0-10V DIM 1% (DM1)	WIRE DIAGRAM C ON PAGE 9
	P1EM	72"	STATIC WHITE	LED1 LED2	0-10V DIM 1% (DM1)	WIRE DIAGRAM C ON PAGE 9

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

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 LED (-)
ALL	RED/WHITE	DRIVER 2 LED (+)
ALL	RED/PURPLE	-
ALL	RED/GREY	-

FIG. 17 – WIRE CONNECTION FROM DRIVER TO FIXTURE CORD

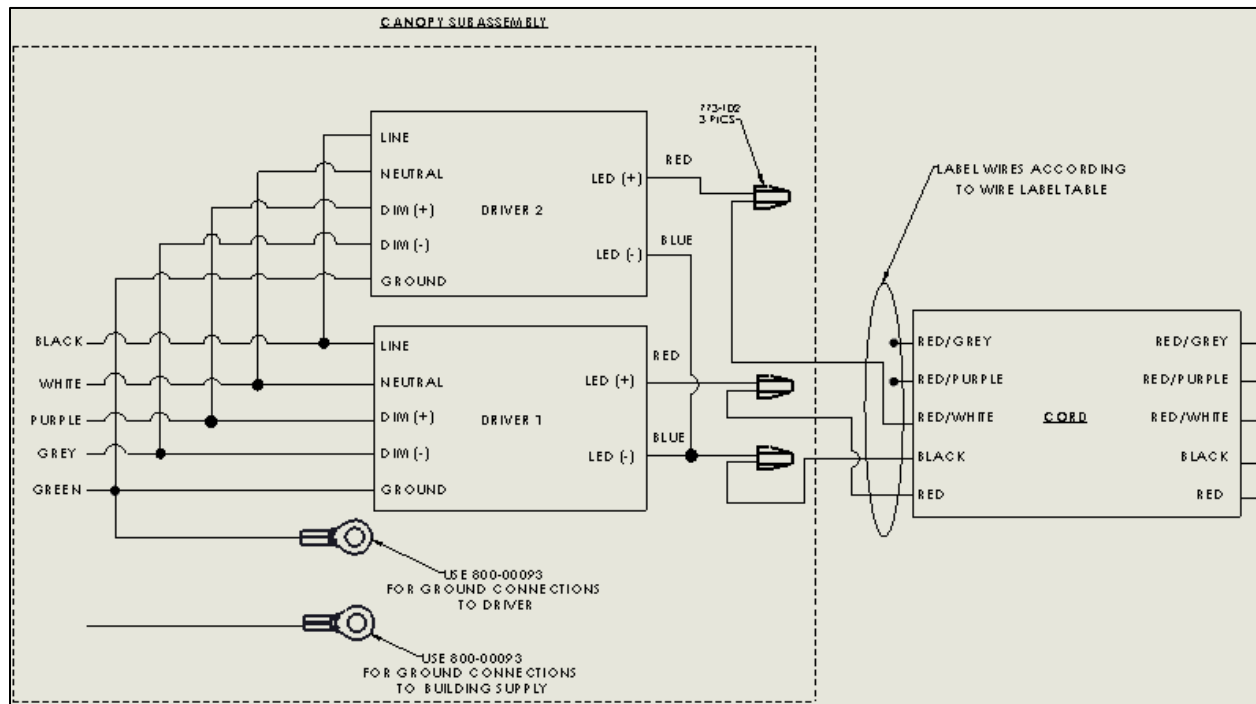


FIG. 18 – WIRE DIAGRAM FOR 24" & 36" SERIES

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GLX-P1DA-ALLSIZES_INSTALLATION INSTRUCTIONS

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. 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 LED (-)
ALL	RED/WHITE	DRIVER 2 LED (+)
ALL	RED/PURPLE	DRIVER 3 LED (+)
ALL	RED/GREY	CAPOFF

FIG. 20 – WIRE CONNECTION FROM DRIVER TO FIXTURE CORD

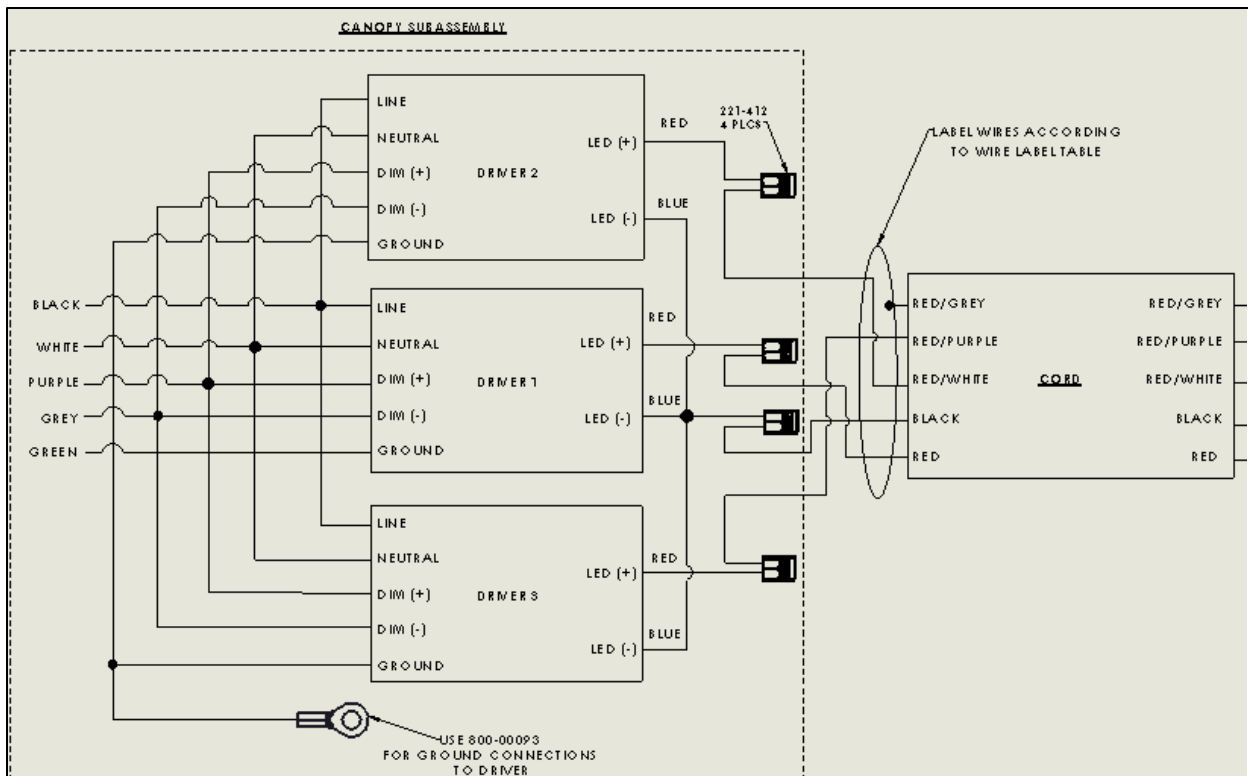


FIG. 21 – WIRE DIAGRAM FOR 48" SERIES

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GLX-P1DA-ALLSIZES_INSTALLATION INSTRUCTIONS

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. 22 – 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. 23 – WIRE CONNECTION FROM DRIVER TO FIXTURE CORD

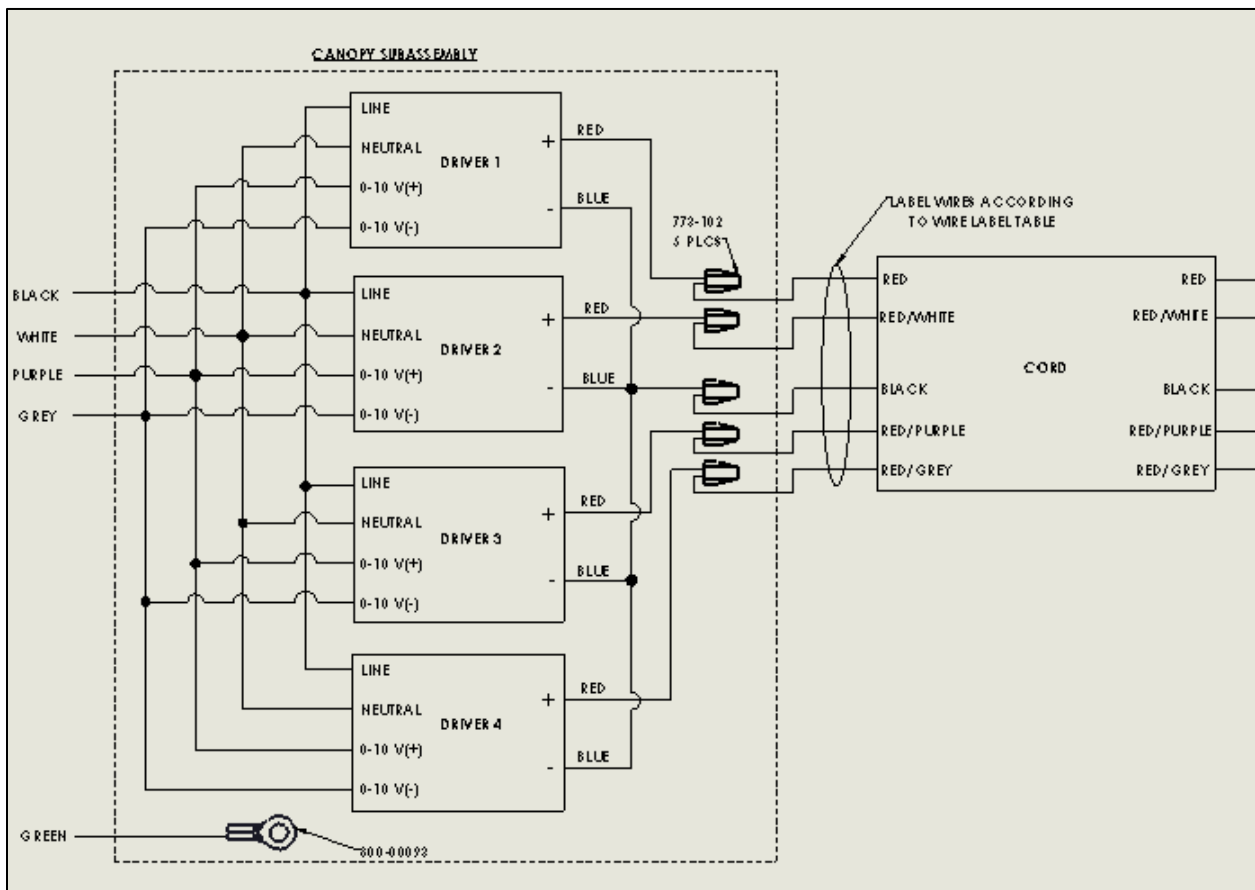


FIG. 24 – WIRE DIAGRAM FOR 60" & 72" SERIES

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GLX-P1DA-ALLSIZES_INSTALLATION INSTRUCTIONS

4. Loosely secure CANOPY PLATE to the ceiling by threading the FINIAL to the NIPPLE (available in CANOPY ASSEMBLY) as shown below in FIG. 25.

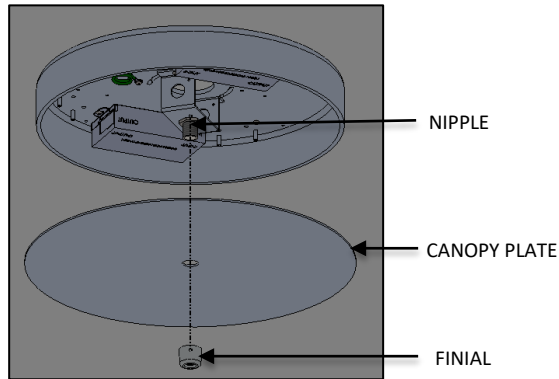


FIG. 25 – CANOPY PLATE INSTALLATION

5. Locate GLOWRING LUMINAIRE and with multiple people raise up GLOWRING LUMINAIRE to AIRCRAFT CABLES. refer to GLOWRING MOUNTING step 1 for location.

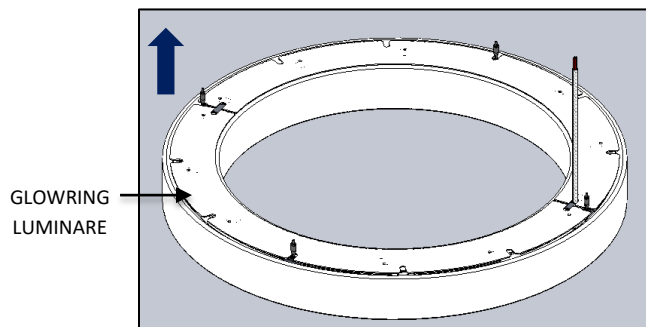


FIG. 26 – LUMINAIRE INSTALLATION

WARNING:



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

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.

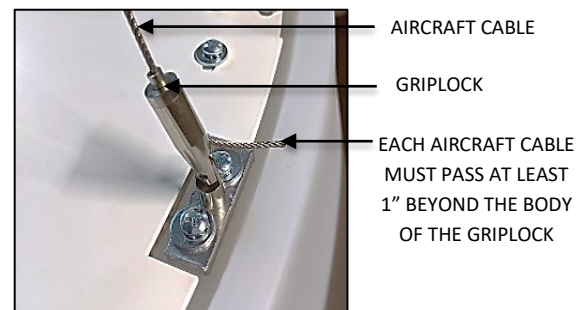


FIG. 27 – AIRCRAFT CABLE INSTALLATION

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7. Once the GLOWRING BODY is secured to the AIRCRAFT CABLE (4) at the GRIPLOCK (4) Unthread the FINIAL from the CANOPY ASSEMBLY and lower the CANOPY PLATE and pass the CORD through the FINIAL and the CANOPY PLATE as shown in FIG. 28.

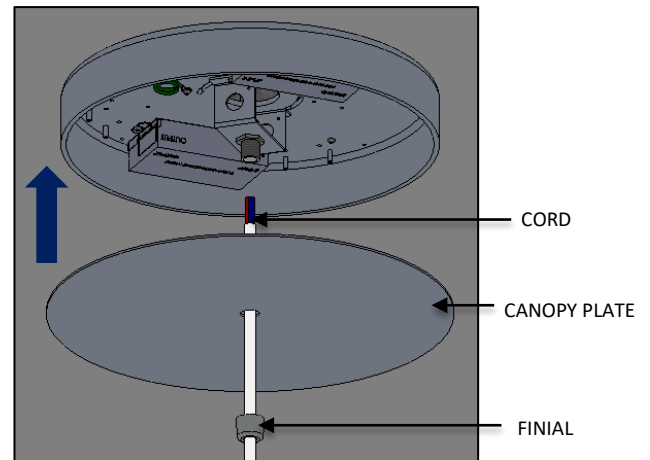


FIG. 28 – CORD INSTALLATION

8. Feed POWER CORD through the NIPPLE (available in CANOPY ASSEMBLY) and secure at desired length with STRAIN RELIEF provided in CANOPY ASSEMBLY as shown in FIG 29.
9. Make all wire connections in the inside the CANOPY ASSEMBLY in accordance with the national electrical code and all applicable local and state codes. See wire diagram on page 7, 8 and 9 for corresponding models.

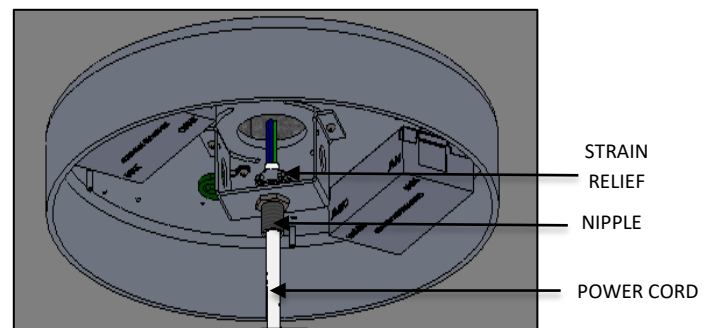


FIG. 29 – CORD CONNECTION TO DRIVERS

10. Once connections are given raise the CANOPY PLATE and secure to ceiling by threading the FINIAL to the NIPPLE (in CANOPY ASSEMBLY) until fully seated as shown in FIG. 30.

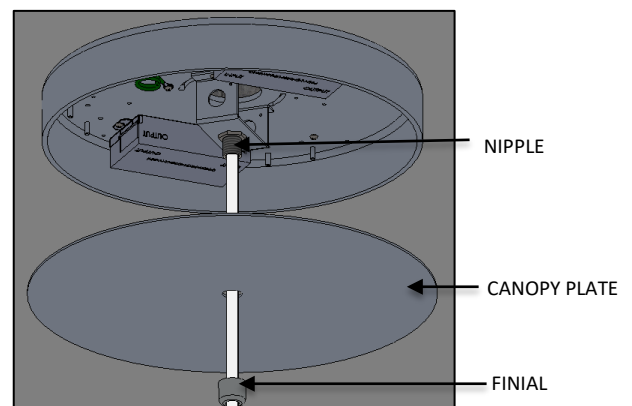


FIG. 30 – CANOPY PLATE AND FINIAL INSTALLATION

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.

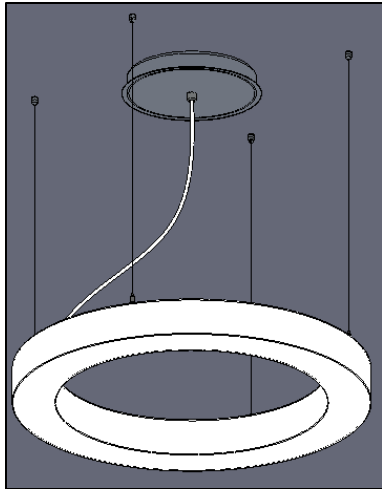


FIG. 31 - COMPLETED INSTALLATION OF GLOWRING PENDANT WITH P1DA HANGING SYSTEM GL1 (GLOWRING) (SHOWN)

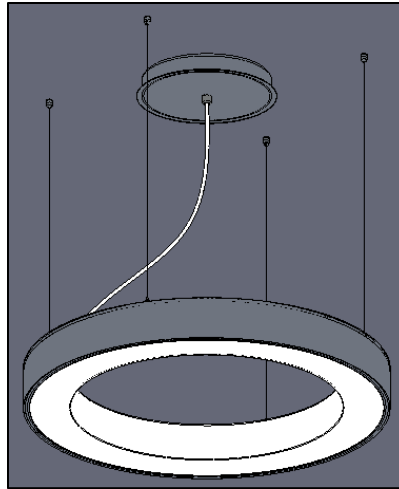


FIG. 32 - COMPLETED INSTALLATION OF GLOWRING PENDANT WITH P1DA HANGING SYSTEM GL2 (GLOWRING OUTER TRIM) (SHOWN)

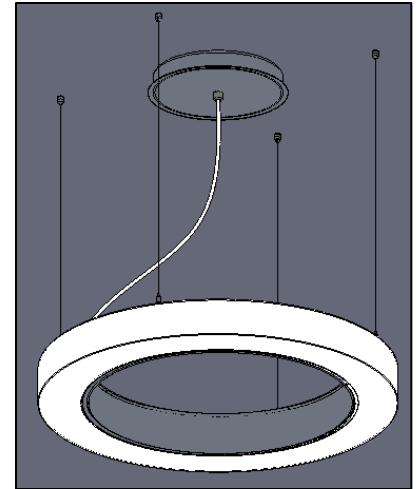


FIG. 32 - COMPLETED INSTALLATION OF GLOWRING PENDANT WITH P1DA HANGING SYSTEM GL3 (GLOWRING INNER TRIM) (SHOWN)

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. 33, 34 & 35 below.

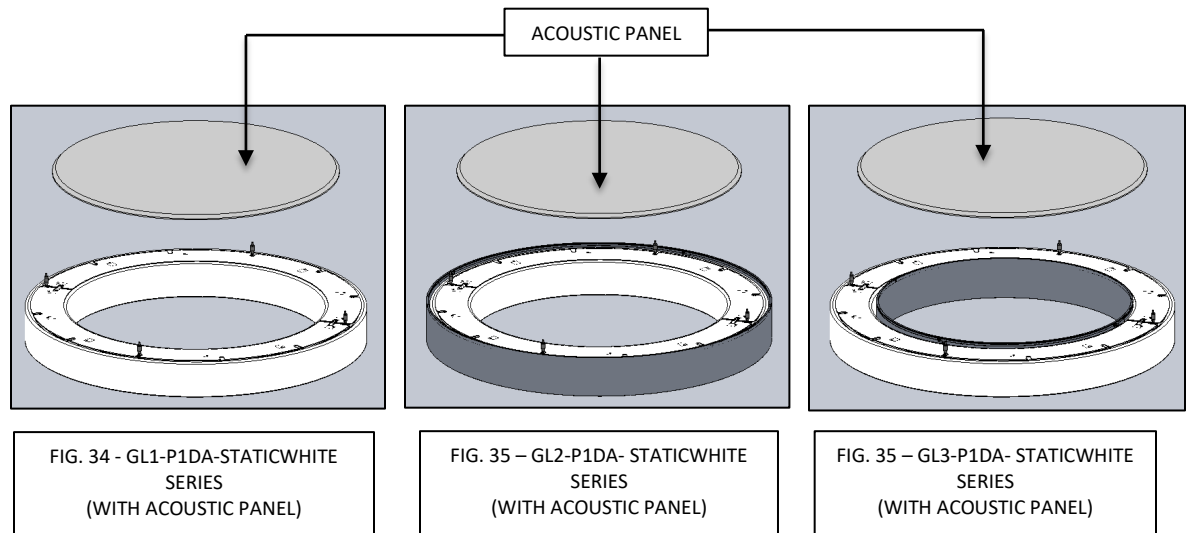


FIG. 34 - GL1-P1DA-STATICWHITE SERIES (WITH ACOUSTIC PANEL)

FIG. 35 – GL2-P1DA- STATICWHITE SERIES (WITH ACOUSTIC PANEL)

FIG. 35 – GL3-P1DA- STATICWHITE SERIES (WITH ACOUSTIC PANEL)