

## INSTALLATION INSTRUCTIONS

### GLOWBALL PENDANT WITH P1JA HANGING SYSTEM

These Instructions cover the GLOWBALL luminaire with the following options:

SERIES	HANGING SYSTEM	SIZE	LIGHT SOURCE	CONTROL	WIRE DIAGRAM
1. GB1(GLOWBALL)	P1JA: PENDANT WITH 5" FLAT CANOPY, SINGLE SILVER POWER CORD; MOUNTS TO 4X4 OCTAGON J-BOX (BY OTHERS); REMOTE DRIVER ENCLOSURE	04"	RGBW	DMX	WIRE DIAGRAM ON PAGE 5

REMOTE DRIVER HOUSING  
\*NOTE: MAX 30' WIRE LENGTH DISTANCE FROM FIXTURE



FIG. 1 – GB1-P1JA-04-FS-XXX-RGBW-UNV-XXX-DMX

#### GENERAL NOTES:

- PLEASE COMPLETELY READ THE INSTALL INSTRUCTIONS BEFORE STARTING INSTALLATION.
- TURN OFF POWER TO CIRCUIT FIXTURE WHILE IT IS BEING INSTALLED.
- 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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### GENERAL INFORMATION:

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

1. GLOWBALL LUMINAIRE with CORD attached. (Pre-assembled as shown in FIG. 2)
2. REMOTE DRIVER BOX WITH DRIVER INSTALLED (as shown in FIG. 3)
3. INSTALLATION INSTRUCTIONS (shown in FIG. 4) - Please completely read the install instructions before starting installation.
4. RED BAG (shown in FIG. 4)
  - a. CANOPY (shown in FIG. 5)
  - b. MOUNTING KIT (as shown in FIG. 6)
    - i. STRAIN RELIEF
    - 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.**

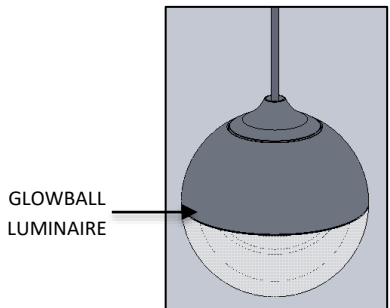


FIG. 2 GLOWBALL LUMINAIRE  
(PRE-ASSEMBLED)

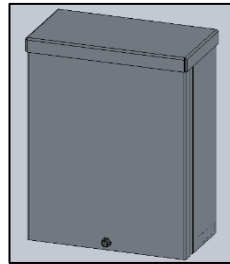


FIG. 3 - REMOTE DRIVER BOX  
WITH DRIVER INSTALLED

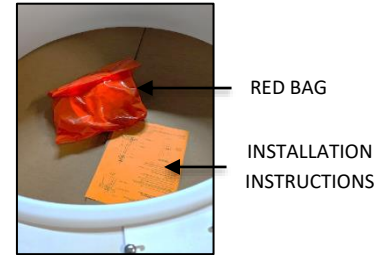


FIG. 4 RED BAG AND  
INSTALLATION INSTRUCTIONS

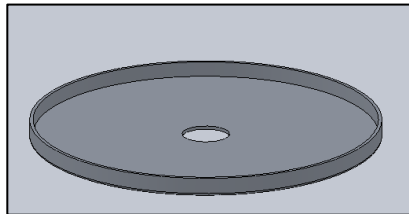


FIG. 5 CANOPY

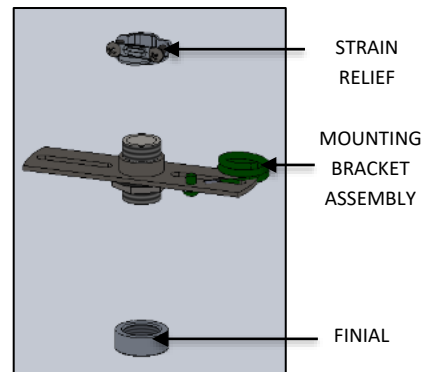


FIG. 6 MOUNTING KIT CONTENTS

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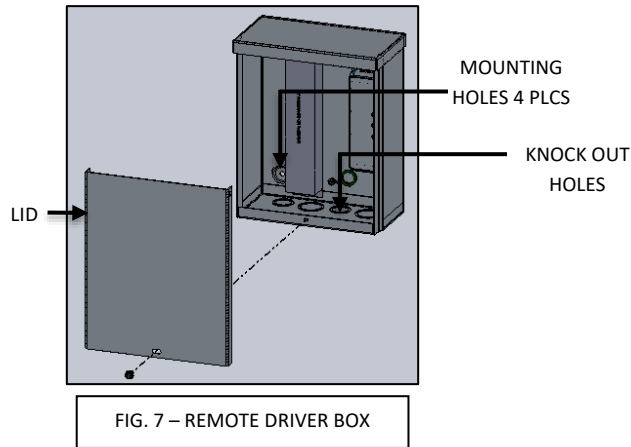
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**REMOTE DRIVER MOUNTING:**

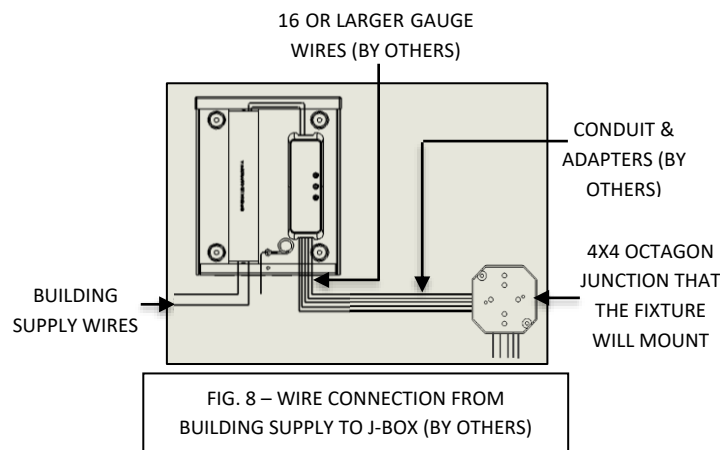
1. Shut off power.
2. Remove the lid of the REMOTE DRIVER HOUSING as shown in FIG. 7.



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. Run 16 or larger gauge wires (by others) from the REMOTE DRIVER HOUSING to the junction box the fixture will mount to (by others). Inside the REMOTE DRIVER HOUSING, connect as per connections shown in FIG.8 below. Refer WIRE DIAGRAM on sheet 5 for wire connections.



## GB1-P1JA-RGBW-INSTALLATION-INSTRUCTIONS

6. Connect building supply wires to the driver. See WIRE DIAGRAM TABLE and WIRE DIAGRAM below and 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	LED OUTPUT	CONTROL	WIRE DIAGRAM
GB1 (GLOWBALL)	P1JA	04"	RGBW	DMX	WIRE DIAGRAM ON PAGE 5

## WIRE DIAGRAM:

**WIRE CONNECTIONS**  
 BLACK WIRE = LINE VOLTAGE  
 WHITE WIRE = NEUTRAL  
 GREEN WIRE = GROUND

**RGBW WIRES FROM DECODER**  
 WHITE WIRE = LED SUPPLY (+)  
 RED WIRE = LED GROUP 1 (-)  
 GREEN WIRE = LED GROUP 2 (-)  
 BLUE WIRE = LED GROUP 3 (-)  
 YELLOW WIRE = LED GROUP 4 (-)

FIG. 9 – WIRE CONNECTION FROM BUILDING SUPPLY TO DRIVER

WIRE LABEL TABLE		
CONTROL	WIRE COLOR	LABEL
DMX	WHITE	LED SUPPLY (+)
DMX	PURPLE	LED GROUP 1 (-)
DMX	GREEN	LED GROUP 2 (-)
DMX	GREY	LED GROUP 3 (-)
DMX	BLACK	LED GROUP 4 (-)

FIG. 10 – WIRE CONNECTION FROM DRIVER TO FIXTURE CORD

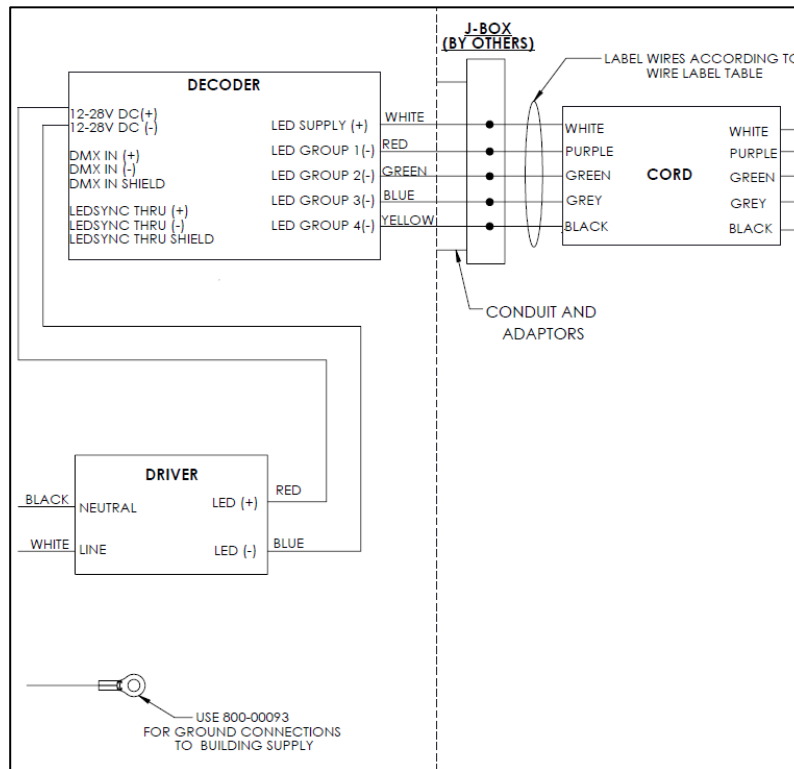


FIG. 11 – WIRE DIAGRAM

LED COLOR TABLE	
COLOR	ADDRESS
RED	ADDRESS 1
GREEN	ADDRESS 2
BLUE	ADDRESS 3
WHITE	ADDRESS 4

Table 1 – LED COLOR TABLE

### GLOWBALL MOUNTING [CANOPY]:

1. ATTACH MOUNTING BRACKET TO JUNCTION BOX (BY OTHER) as shown in FIG.12.
2. Raise the GLOWBALL FIXTURE as shown below in FIG. 13 to assemble to the MOUNTING BRACKET.

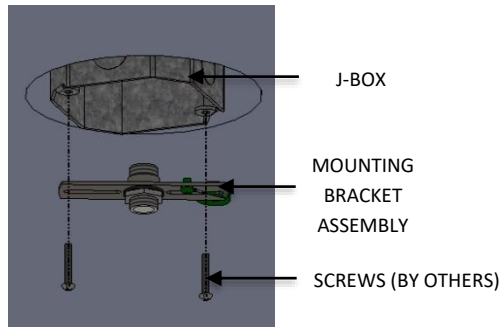


FIG. 12 – CORD INSTALLATION

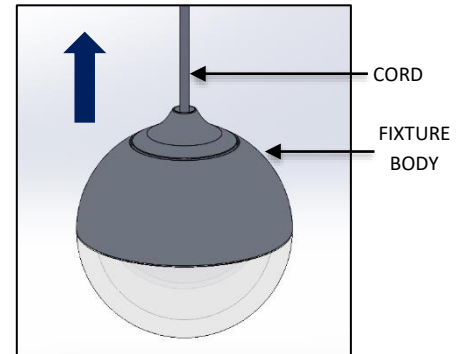


FIG. 13 – FIXTURE INSTALLATION

3. Insert CORD into CANOPY FINIAL (THREADS UP), CANOPY, AND MOUNTING BRACKET. Adjust fixture drop to desired height as shown below in FIG. 14.
4. Mark CORD with marker above the all-thread and Trim off excess cord leaving minimum of 8" past the Top of the all-thread as shown below in FIG. 15.

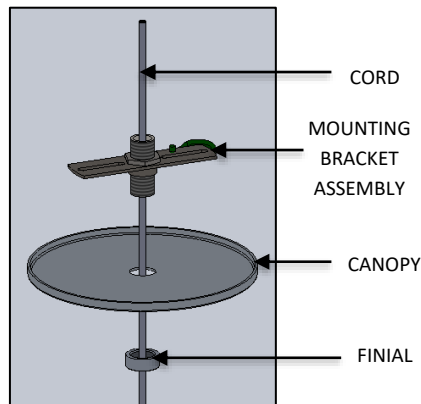


FIG. 14 – CORD INSTALLATION

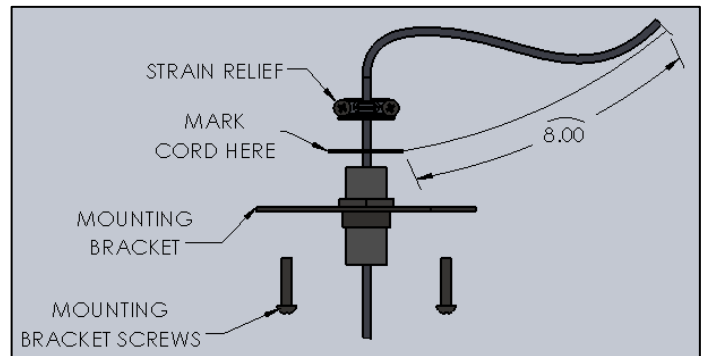


FIG. 15– CORD INSTALLATION TO J-BOX

5. Insert CORD through the STRAIN RELIEF and tighten two SCREWS on the STRAIN RELIEF above the all-thread where marked. If screws are not properly tightened CORD could slip; through the STRAIN RELIEF, causing the fixture to fall. see detail as shown in FIG.16.

Be sure to leave a minimum of 8.00" past the strain relief to allow for wire connections.

TIGHTEN SCREWS SO THERE IS 1/16" GAP BETWEEN THE TWO SIDE OF STRAIN RELIEF



FIG. 16 – STRAIN RELIEF WITH CORD INSERTED

### WARNING:



Do not let the GLOWBALL LUMINAIRE hang free until CABLE is secured and evenly tensioned.

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## GB1-P1JA-RGBW-INSTALLATION-INSTRUCTIONS

6. Make all wire connections in the inside of 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 and instructions on how to shorten/install the cord on page 8.
7. Raise CANOPY and secure to ceiling by threading the FINIAL to the NIPPLE (available in MOUNTING BRACKET ASSEMBLY) as shown below in FIG. 17.

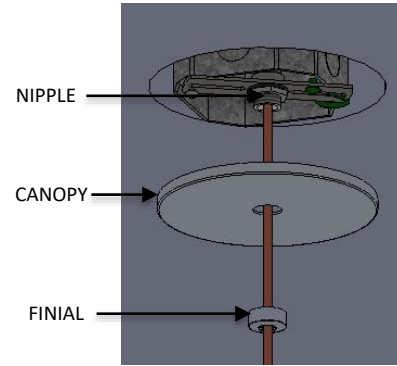


FIG. 17 – FINIAL ASSEMBLY

8. Restore power to circuit the GLOWBALL 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.

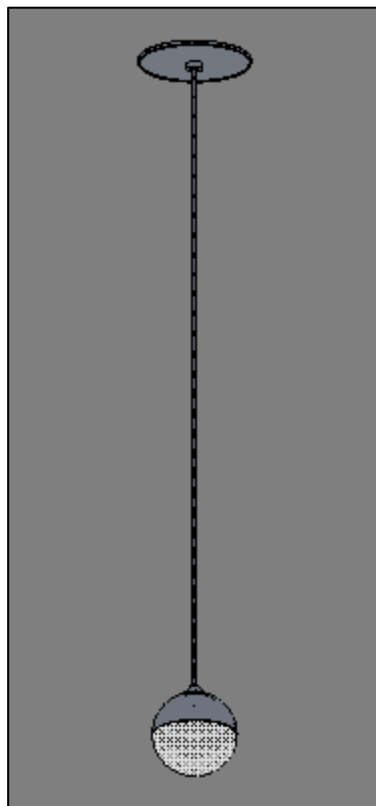


FIG. 18 – COMPLETED INSTALLATION OF GLOWBALL PENDANT WITH P1JA HANGING SYSTEM  
GB1-P1JA-04-FS-XXX-RGBW-UNV-XXX-DMX

### CORD INSTALLATION INSTRUCTIONS:

- Strip off 1.00" of outer clear insulation exposing the outer metal braiding as shown in FIG. 19 below. **Be careful not to cut or damage the outer metal braiding.** Gently push braiding down to loosen the individual braids and pull to one side of inner wires. Locate the solid black plastic reinforcement piece (The thinner black wire that has no copper wires inside). Cut the metal braiding and thin black wire back to outer insulation as shown in FIG. 20 below.

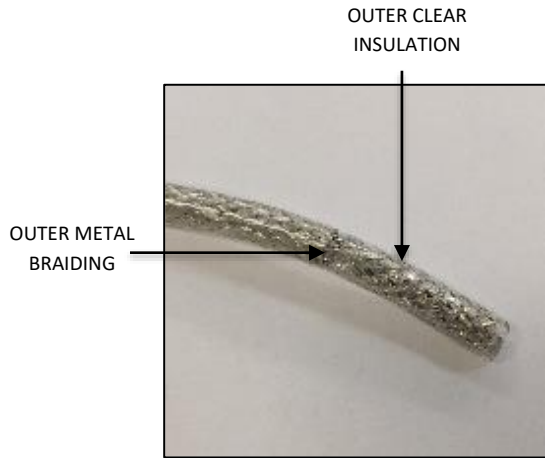


FIG. 19

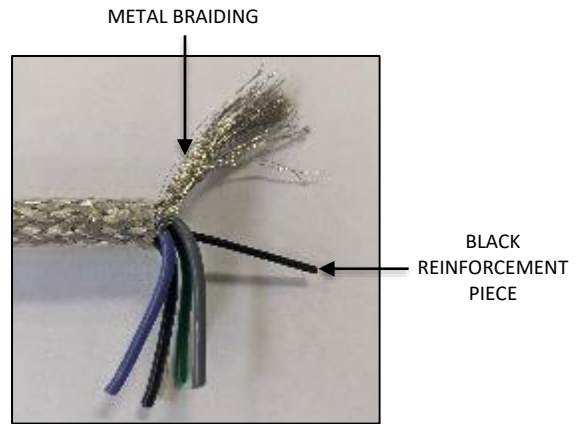


FIG. 20

- Strip off about 7/16" of insulation from the inside wires and twist inner strands of each wire together as shown in FIG. 21 below. Connect the cord wires to the wires from the decoder as shown below. The internal cord wires are labeled as shown in the table below as shown in FIG. 22 below.

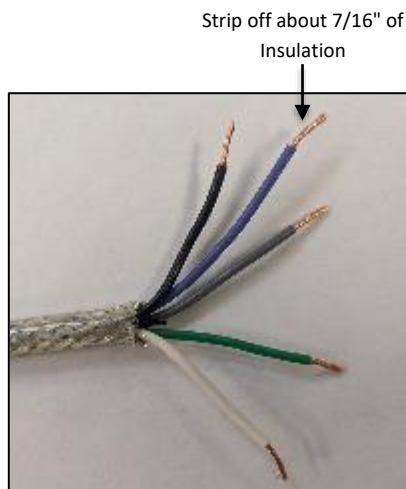


FIG. 21

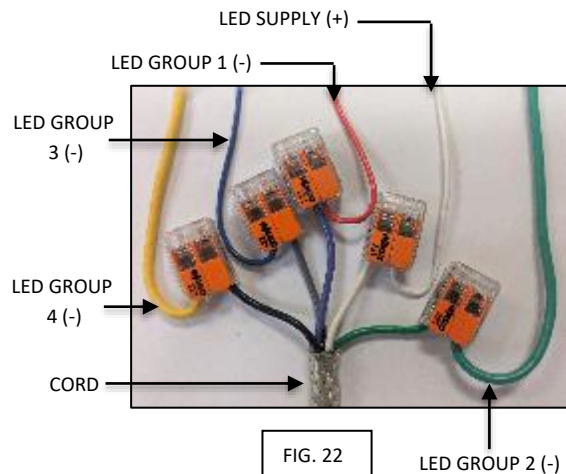


FIG. 22