INSTALLATION INSTRUCTIONS
NEO PENDANT WITH P1FG HANGING SYSTEM

These Instructions cover the NEO Luminaire with the following options:

SERIES	HANGING SYSTEM	SIZE	LIGHT SOURCE	CONTROL	WIRE DIAGRAM
NE1: NEO	P1FG: PENDANT WITH 5” FLAT CANOPY, SINGLE CENTER AIRCRAFT CABLE AND POWER CORD; MOUNTS TO 4X4 OCTAGON J-BOX (BY OTHERS); REMOTE DRIVER ENCLOSURE	18”	STATIC WHITE	DM1	WIRE DIAGRAM ON PAGE 5
		24”	STATIC WHITE	DM1	WIRE DIAGRAM ON PAGE 5
		36”	STATIC WHITE	DM1	WIRE DIAGRAM ON PAGE 5

FIG. 1 - NE1-P1FGX-XX-MW-NFA-LEDX_XXK-UNV-XXX-DM1~ (SHOWN)

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.
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' DISTANCE FROM FIXTURE FOR NON-DIMMING, DMO DM1 AND MAX 10' REMOTE DISTANCE FOR LUTRON. ENCLOSURE SHOULD REMAIN ACCESSIBLE AFTER INSTALLATION.
5. DO NOT LET THE NEO LUMINAIRE HANG FREE UNTIL BOTH THE AIRCRAFT CABLES ARE SECURED AND EVENLY TENSIONED.
6. KEEP HANDS AWAY FROM THE SILICON DIFFUSER. DO NOT TOUCH IT AT ALL TIMES.
7. 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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CORD INSTALL INSTRUCTIONS ..... Error! Bookmark not defined.

GENERAL INFORMATION:

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

1. NEO LUMINAIRE with CORD attached. (Pre-assembled as shown in FIG. 2)
2. INSTALLATION INSTRUCTIONS - Please completely read the install instructions before starting installation.
3. HARDWARE BAG
    a. CANOPY (as shown in FIG. 4)
    b. MOUNTING KIT (as shown in FIG. 4)
        i. STRAIN RELIEF
        ii. MOUNTING BRACKET ASSEMBLY
        iii. ONE (1) AIRCRAFT CABLE
        iv. ONE (1) CEILING COUPLER (CC)
4. REMOTE DRIVER BOX WITH DRIVER INSTALLED (as shown in FIG. 5)

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 – NEO LUMINAIRE (PRE-ASSEMBLED)

FIG.3 RED BAG AND INSTALLATION INSTRUCTIONS

FIG. 4 MOUNTING KIT & CANOPY

FIG. 4 – MOUNTING KIT CONTENTS

FIG. 5 – REMOTE DRIVER BOX WITH DRIVER INSTALLED

REMOTE DRIVER MOUNTING:

1. Shut off power.
2. Remove the lid of the REMOTE DRIVER HOUSING as shown in FIG. 6 below.

FIG.6 – REMOTE DRIVER BOX

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 a 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 LED output (+) and positive 16 or larger gauge wire.
   - Driver LED output (-) and negative 16 or larger gauge wire.

FIG. 7 – WIRE CONNECTION FROM BUILDING SUPPLY TO J-BOX

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

WIRE DIAGRAM TABLE						
SERIES	HANGING SYSTEM	BODY SIZE	BODYLIGHT SOURCE	LED OUTPUT	CONTROL	WIRE DIAGRAM
NE1: NEO	P1FG	18”	STATIC WHITE	LED1 & LED2	DM1	WIRE DIAGRAM ON PAGE 5
	P1FG	24”	STATIC WHITE	LED1 & LED2	DM1	WIRE DIAGRAM ON PAGE 5
	P1FG	36”	STATIC WHITE	LED1 & LED2	DM1	WIRE DIAGRAM ON PAGE 5

WIRE DIAGRAM:

WIRE LABEL TABLE		
CONTROL	WIRE COLOR	LABEL
ALL	WHITE	LED(+)
ALL	BLACK	LED(-)
ALL	GREEN	CAP OFF
DM1	PURPLE	0-10V (+)
DM1	PINK	0-10V (-)

FIG. 8 – WIRE LABEL TABLE

SEE GENERAL NOTE 7 ON PAGE 1

FIG. 9 – WIRE DIAGRAM

NEO MOUNTING:

NEO MOUNTING [CANOPY]:

1. Dis-assemble the SLIP RING COUPLER (1) into three components SRC-BASE, SRC-HOLDER and SRC-FINIAL as shown in FIG. 10.
2. Assemble the SRC BASE to the SCREW (available in mounting bracket assembly) as shown below in FIG.11.

FIG. 10 – SLIP RING COUPLER (1) CONTENTS

FIG. 11 –SRC-BASE INSTALLATION

3. Assemble the MOUNTING BRACKET ASSEMBLY to the JUNCTION BOX the fixture will mount to (by others) with screws (by others) as shown in FIG. 12 below.
4. Feed the AIRCRAFT CBALE through the SRC-HOLDER and assemble the SRC-HOLDER to SRC-BASE as shown below in FIG. 13.

FIG. 12 – MOUNTING BRACKET ASSEMBLY INSTALLATION

FIG. 13 – AIRCRAFT CABLE AND SRC-HOLDER INSTALLATION

5. Pass the remaining Aircraft cable through the canopy and finial. Loosely secure CANOPY to the ceiling by threading the SRC-FINIAL to the SRC-HOLDER as shown below in FIG. 14.

FIG. 14 – CANOPY PLATE INSTALLATION

6. Raise the fixture and feed the AIRCRAFT CABLE into the GRIPLOCK 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. 15.
    a. Each 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.

WARNING:
Do not let the NEO LUMINAIRE hang free until AIRCRAFT CABLE is secured and evenly tensioned.

FIG. 15 – AIRCRAFT CABLE INSTALLATION

7. Dis-assemble the CANOPY by loosening the CEILING COUPLER. Feed the CORD through the CANOPY and MOUNTING BRACKET ASSEMBLY to the desired length and secure the CORD by tightening the STRAIN RELIEF as shown in FIG. 16. Leave minimum of 8.00" past the top of the STRAIN RELIEF for making wire connections to DRIVER as shown in FIG. 17.

FIG. 16 - CORD INSTALLATION

FIG. 17 – STRAIN RELIEF WITH CORD INSERTED

8. 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.

9. Raise CANOPY and secure to ceiling by threading the FINIAL to the GRIPLOCK until fully seated as shown in FIG. 18.

FIG. 18 - CANOPY INSTALLATION

10. Restore power to circuit the NEO 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.19 - COMPLETED INSTALLATION OF NEO PENDANT WITH P1FG HANGING SYSTEM
NE1-P1FGX-XX-MW-NFA-LEDX_XXK-UNV-XXX-DM1~ (SHOWN)