



601 PARR BOULEVARD | RICHMOND | CA 94801

## PENDANT INSTALLATION INSTRUCTIONS

### Montrose Chandelier

210379

#### PROFESSIONAL INSTALLATION REQUIRED

**CAUTION: BEFORE INSTALLING FIXTURE, MAKE SURE THE POWER TO THE CIRCUIT IS TURNED OFF AT THE MAIN FUSE BOX / CIRCUIT BREAKER UTILITY BOX.**

#### Important Safety Instructions:

- These instructions are provided for your safety. It is important that they are read carefully before use to ensure safe operation of the product.
- Installation by a licensed professional electrician required.
- THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODES BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.
- The Installer must be familiar with commercial – type application of very heavy chandeliers / sconces.
- Fixtures weighing more than 50LBS must be attached to the ceiling independently of the Junction box. The Fixture weight is 74.8 LBS.
- A Heavy duty junction box must be used. Additional support from a ceiling brace may be required.
- The lighting fixture is meant for indoor use. It must be connected only to 3-wire, single-phase electrical supply systems (provided with Ground wire or equivalent protection system).
- For your safety, it is strongly recommended that minimum two people install the lighting fixture.
- The lighting fixture is meant for indoor use, DRY LOCATIONS ONLY.
- Save these instructions.

#### WARNING:

- To reduce the risk of fire, electrical shock or personal injury, always turn off light fixture and allow it to cool prior to replacing LED.
- Do not touch fixture is turned on. Do not look directly at lit LED.
- Keep flammable materials away from lit LED.
- Check the cable properly for any loose or damaged connections.
- When the unit is no longer functioning, do not attempt to fix it by yourself. Only a qualified technician is allowed to disassemble and repair.
- If the external flexible cable cord of this luminaire is damaged it shall be exclusively replaced by a qualified electrician in order to avoid hazard.

## Pre-Assembly:

- Remove all parts and hardware from the box along with any plastic protective packaging. Do not discard contents until after assembly is complete to avoid accidentally discarding small parts or hardware.
- Detach the Mounting Plate (A) from Canopy (C) by removing the Canopy Screws (B). Do not discard Canopy Screws (B) as these will be used later.
- Determine the hanging length of the Chandelier by adjusting the Steel Cable. Maximum hanging length is 150" and Minimum hanging length is 30"

**Note** – To loosen the cable grip lock, Press and hold the Cable Gripper upwards and push the Steel Cable into the Canopy. Release the Cable Gripper once the desired fixture suspension length is determined and tight the lock back.

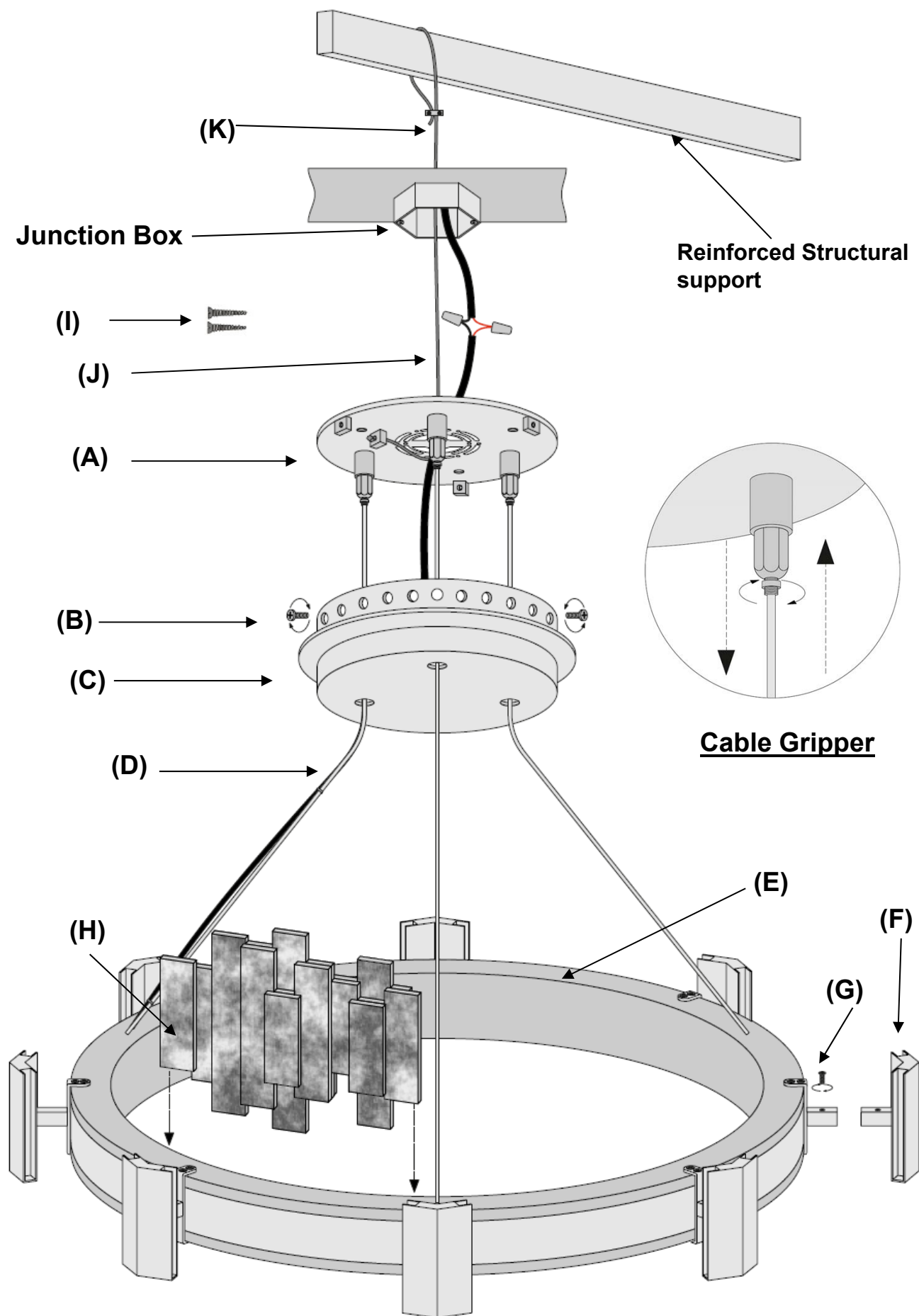
- Adjust length of the power cable based on length of Steel Cable.

**Note**- Please make sure suspension length of the power cord is slightly longer than the Steel Cable, so the fixture will be supported by the Steel Cable.

- **TOOLS REQUIRED (not included):** Ladder, Phillips Head Screw Driver, Wire Cutter/Stripper & Electrical Tape.
- **HARDWARE REQUIRED (not included):** Three Flush Anchors & three Fastener Bolts (based on your ceiling type).

## Parts List:

- (A) Mounting plate
- (B) Canopy Screws – 3 Units
- (C) Canopy
- (D) Steel Cable – 3 Units
- (E) Chandelier
- (F) Brass Brackets – 8 Units
- (G) Screws for Brackets – 8 Units
- (H) Alabaster Panel – 8 Units
- (I) Junction Box Screw – 2 Units
- (J) Safety Cable
- (K) Cable Lock Nut – 2 Units



## Installation Instructions:

- **SHUT OFF THE MAIN ELECTRICAL SUPPLY FROM THE MAIN FUSE BOX/CIRCUIT BREAKER.**
- Gently pull existing wires down from the ceiling junction box and allow them to hang.
- Use pencil and mark three locations over the Junction Box through the Mounting Plate (A). Set Flush Anchors in the ceiling.
- Attach the Safety Cable (J) to the Building reinforced structural support. Use Cable lock nuts (K) to fix it.
- Attach the Mounting Plate (A) to the ceiling with Anchors / Bolts (not included) which are intended for your ceiling type. Also attach to the Junction box with screws provided (I).

Establish electrical connections:

- Connect the NEUTRAL FIXTURE WIRE (Blue) to the NEUTRAL JUNCTION BOX WIRE. Fasten each together with a wire connector and wrap the connection with electrical tape. Be sure that no wire strands are exposed.
- Connect the HOT FIXTURE WIRE (Brown) to the HOT JUNCTION BOX WIRE. Fasten each together with a wire connector and wrap the connection with electrical tape. Be sure that no wire strands are exposed. **DO NOT REVERSE THE HOT AND NEUTRAL CONNECTIONS OR SAFETY WILL BE COMPROMISED.**
- Connect the GROUND WIRE of the fixture to the GROUND Junction BOX WIRE (copper bare) with a wire connector and wrap the connection with electrical tape. Be sure that no wire strands are exposed. If there is no ground wire in the Junction Box, use a screwdriver to secure the end of the fixture ground wire to the GREEN screw located on the Cross bar.
- After all connections are made, Attach the Canopy (C) to the Mounting plate (A) and fix it with Canopy Screws (B).
- Attach all Brass Brackets (F) to the Chandelier (E) and fix them with the Screws (G).
- Carefully Insert all Alabaster Panels (H) to the Brass Brackets (F).  
Assemble the pieces opposite each other on the frame to keep the chandelier balanced during assembly.
- Restore power to ceiling outlet junction box and test fixture.
- Installation is complete.

## Care Instructions:

- Do not use abrasive cleaning solution as it may cause damage to the fixture's finish.
- Wipe clean with a soft, dry cloth or static duster.

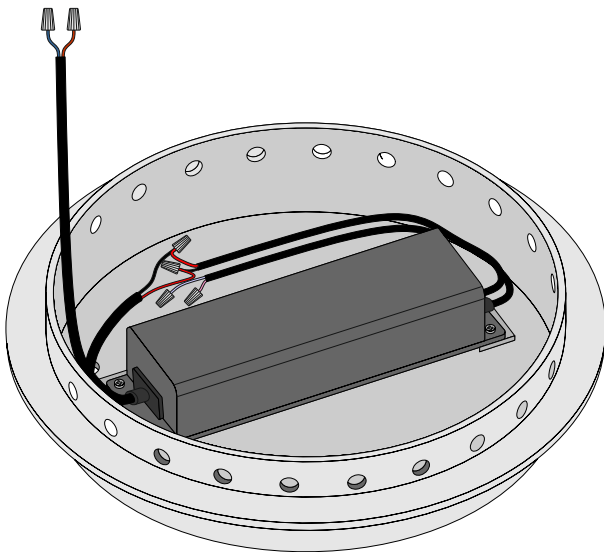
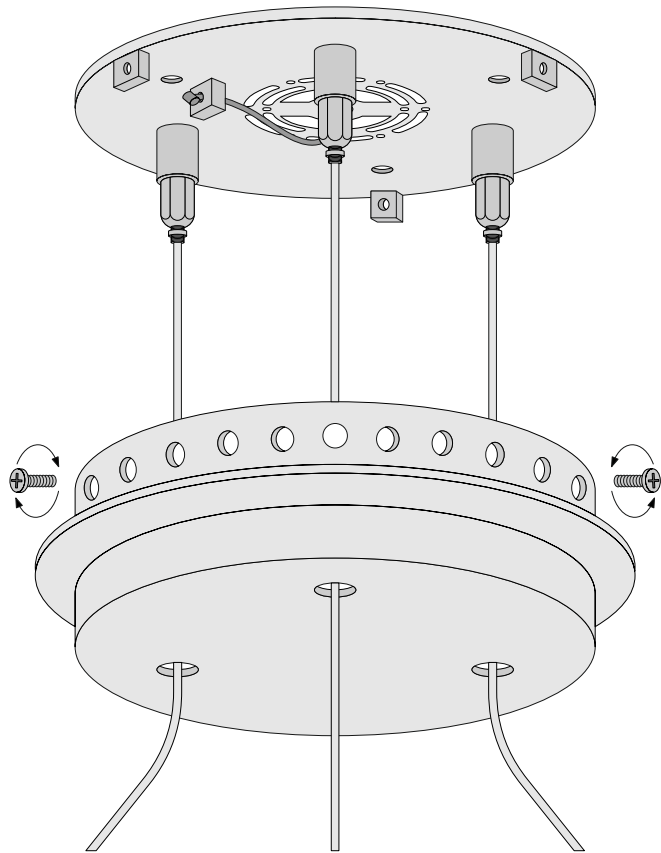
## LED Driver Replacement Instructions

### Instructions:

**SHUT OFF THE MAIN ELECTRICAL SUPPLY FROM  
THE MAIN FUSE BOX/CIRCUIT BREAKER.**

To replace the LED driver,

1 - Remove Canopy by unscrewing Holding Screws.



2 - Remove the electrical connections and unscrew the LED driver from the Canopy. Replace new LED driver and attach to the Canopy and establish electrical connections to the appropriate wires. Match specifications of the installed LED Driver. Connect the Fixture wires to the LED driver Output wires (Black) and (Red). Fasten each together with a wire connector and wrap the connection with electrical tape. Be sure that no wire strands are exposed.

## LED Driver/LED Strip Replacement Instructions

### PROFESSIONAL INSTALLATION REQUIRED

**CAUTION:** Before replacing LED Driver / LED Strip, make sure the power to the circuit is turned off at the main FUSE BOX / CIRCUIT BREAKER utility box.

### Important Safety Instructions:

Installation by a licensed professional electrician required.

### WARNING:

When the unit is no longer functioning, do not attempt to fix it by yourself. Only a qualified technician is allowed to disassemble and repair.

If the external flexible cable cord of this luminaire is damaged it shall be exclusively replaced by a qualified electrician in order to avoid hazard.

### Installation Instructions:

#### SHUT OFF THE MAIN ELECTRICAL SUPPLY FROM THE MAIN FUSE BOX/CIRCUIT BREAKER.

To replace the LED driver, remove Canopy/Backplate of the Chandelier/Wall Sconce and see how the LED driver is fitted.

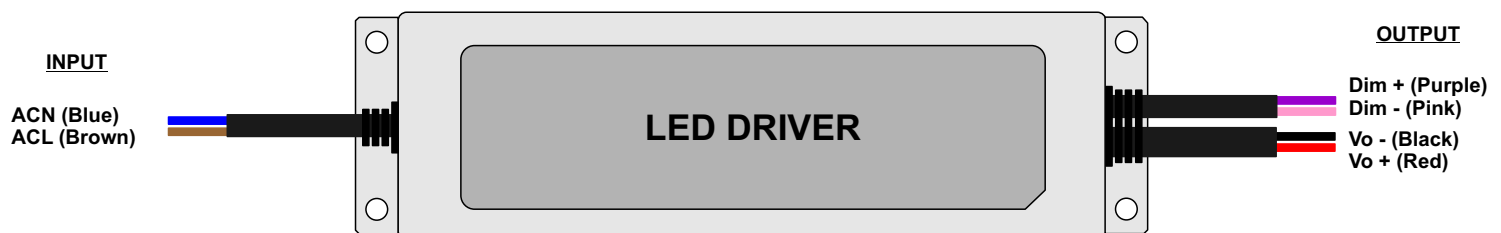
Remove the electrical connections and unscrew the LED driver from the Canopy/Backplate.

Replace new LED driver and attach to the Canopy/Backplate and establish electrical connections to the appropriate wires.

Match specifications of the installed LED Driver. Connect the Fixture wires to the LED driver Output wires (Black) and (Red).

Fasten each together with a wire connector and wrap the connection with electrical tape.

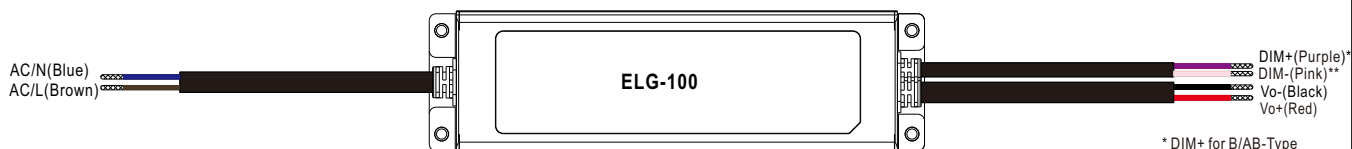
Be sure that no wire strands are exposed. (LED Driver diagram showing below).



To replace the LED strip, Electrician will disassemble the fixture and remove the LED strip. Replace new LED strip as the original and establish electrical connections matching the specification of original strip.

LED Strip Spec- COB-24V-320S-W-2700k

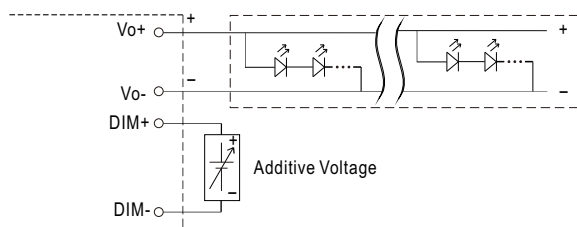
## DIMMING OPERATION



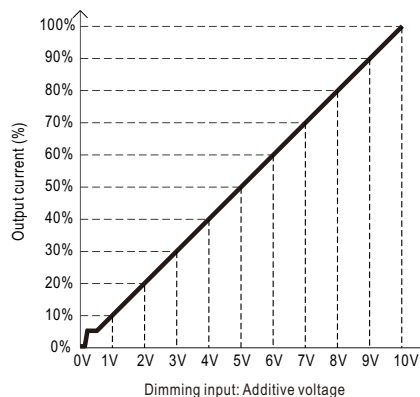
### ※ 3 in 1 dimming function (for B/AB-Type)

- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-:  
0 ~ 10VDC, or 10V PWM signal or resistance.
- Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.
- Dimming source current from power supply: 100 $\mu$ A (typ.)

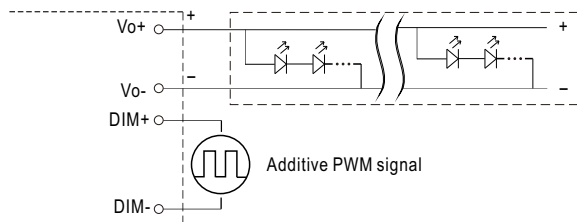
#### ◎ Applying additive 0 ~ 10VDC



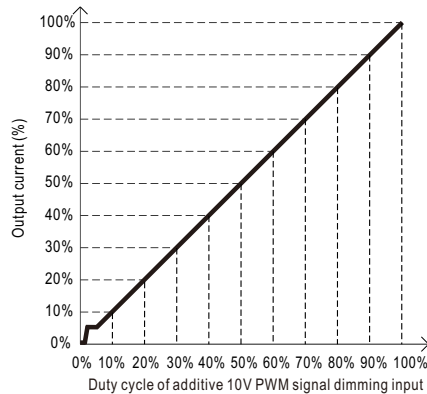
"DO NOT connect "DIM- to Vo-"



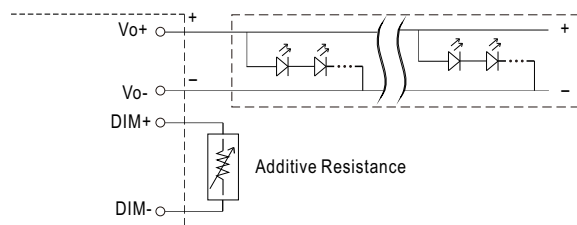
#### ◎ Applying additive 10V PWM signal (frequency range 100Hz ~ 3KHz):



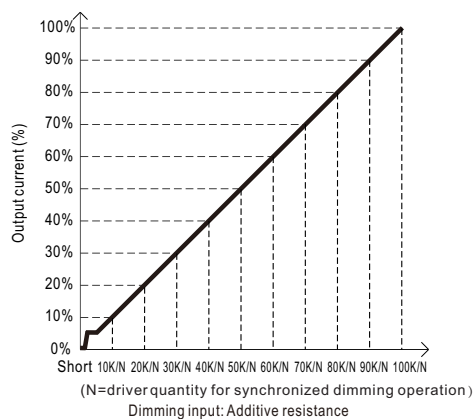
"DO NOT connect "DIM- to Vo-"



#### ◎ Applying additive resistance:



"DO NOT connect "DIM- to Vo-"



Note : 1. Min. dimming level is about 8% and the output current is not defined when  $0\% < I_{out} < 8\%$ .

2. The output current could drop down to 0% when dimming input is about 0k $\Omega$  or 0Vdc, or 10V PWM signal with 0% duty cycle.