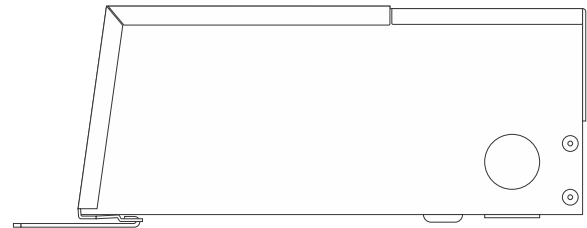




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## Installation Instructions for **2X150W Remote Magnetic Transformer** **EGP300P12AC**

**SAVE THESE INSTRUCTIONS!**



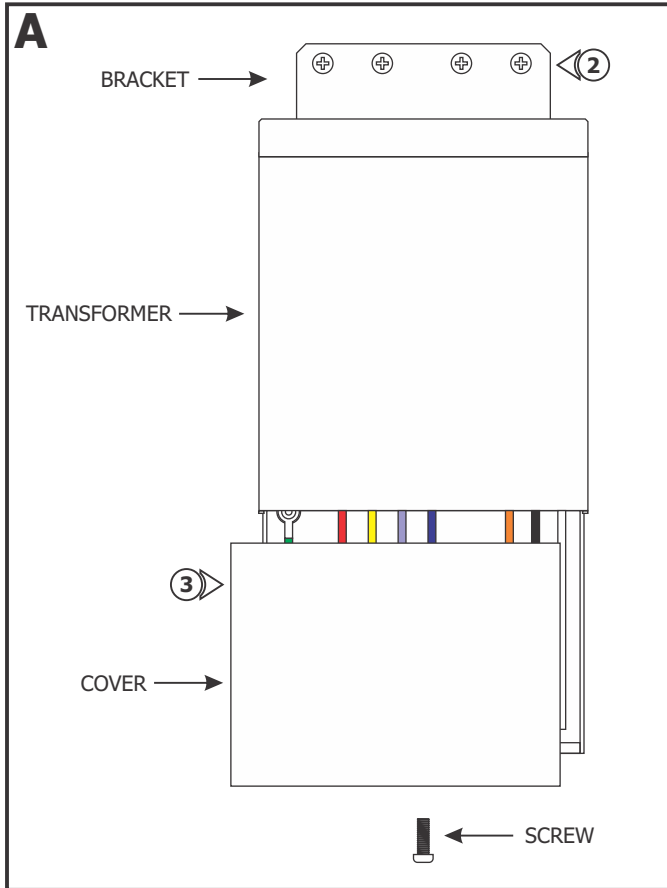
### GENERAL INFORMATION

- **RISK OF FIRE:** This product must be installed by a qualified electrician. Turn the power to the electrical box off during installation. Read the "Important Safety Instructions" before installation.
- **NOTE:** To avoid overheating the power supply, install it in a ventilated remote location where air flows. Maintain proper spacing among power supplies when multiple power supplies are installed in the same remote location.
- This product is suitable for outdoor locations.
- This product may be dimmed only with a low voltage magnetic dimmer. Using a dimmer other than specified may work initially, but will eventually cause transformer failure and void the warranty. The dimmer must be derated as indicated by the dimmer manufacturer.
- A typical installation is shown. Specific installation must be in accordance with the local electrical codes.
- **TO REDUCE RISK OF FIRE,** it is important to wire the remote transformer for the system as described in this installation instruction.
- Load each circuit of the remote transformer to **MAXIMUM 150** watt.

### IMPORTANT SAFETY INSTRUCTIONS

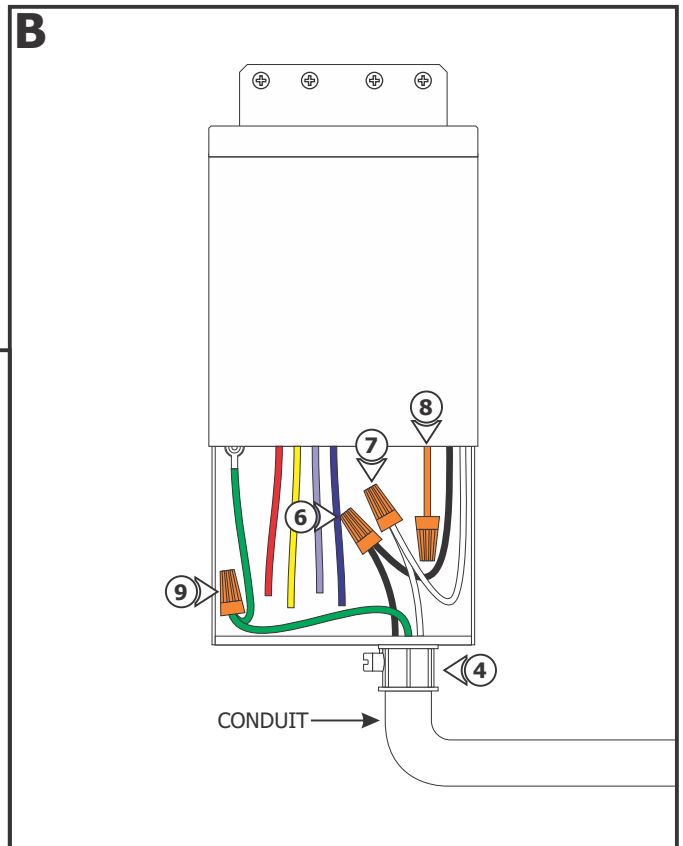
- To reduce the risk of fire and burns, do not install this lighting system where the insulated open bus bar conductors can be shorted or contact any conductive materials.
- To reduce the risk of the system overheating and possibly causing a fire, make sure all the connections are tight.
- Do not install the fixture assemblies closer than six inches, or as specified in the fixture installation instructions, to curtains or similarly combustible materials.
- Turn the electrical power off before modifying the lighting system in any way.
- The fixtures used with the PureEdge Lighting systems must be identified for use with the corresponding PureEdge Lighting systems.
- Minimum volume of the electrical box must be 6 cubic inches (98 cubic centimeters).

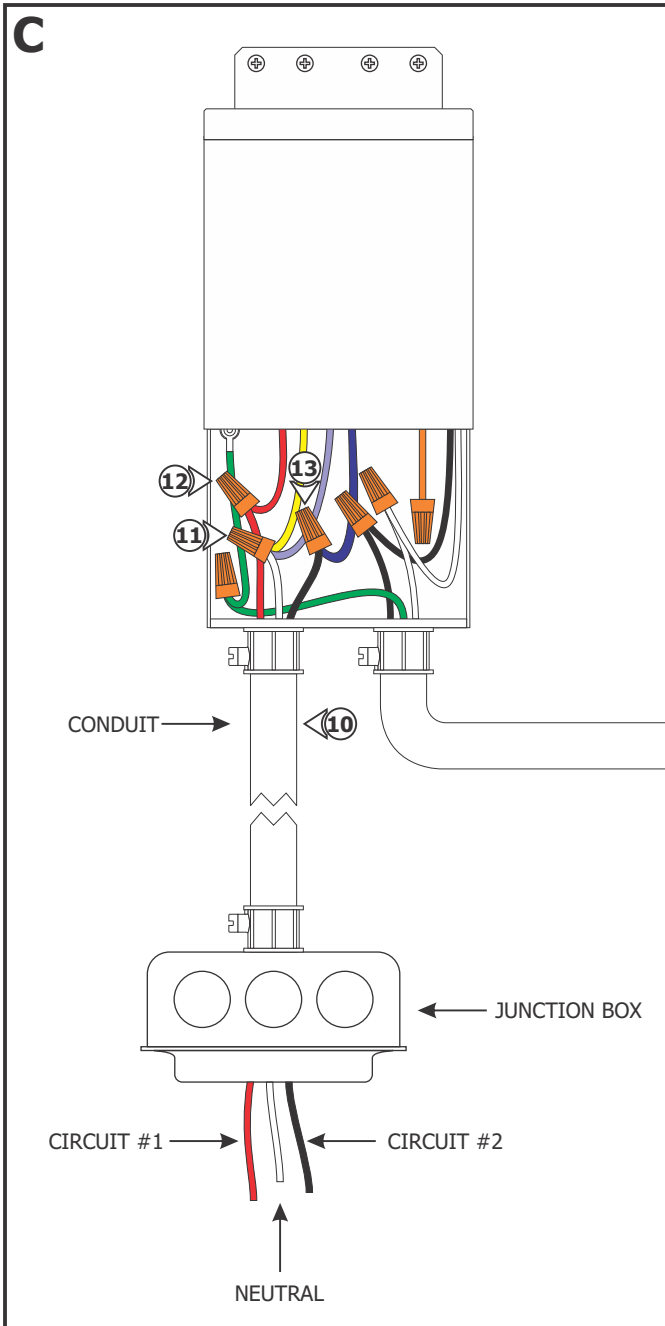
## Install the Remote Transformer



- 1:** Determine the location of the transformer on any rigid vertical wall. Ensure that the wiring compartment points down.
- 2:** Install the transformer bracket then hook the transformer onto the bracket (hardware not included).
- 3:** Loosen and remove the Phillips screw from the transformer to remove the cover.

- 4:** Remove a knockout and install an outdoor rated conduit. Route power wires from the panel to the transformer.
- 5:** **DO NOT** connect the power wires to the panel at this time.
- 6:** Connect the black transformer wire to the hot power wire with a wire nut.
- 7:** Connect the white transformer wire to the neutral power wire with a wire nut.
- 8:** Measure the input voltage. If the input voltage is less than 110V, then replace the black wire with the orange Boost-Tap wire. Make sure to cap the black wire with a wire nut.
- 9:** Make sure the transformer is grounded in accordance with local electrical codes.



**C**

**10:** Install an outdoor rated conduit from the transformer to the junction box using outdoor rated conduit connectors.

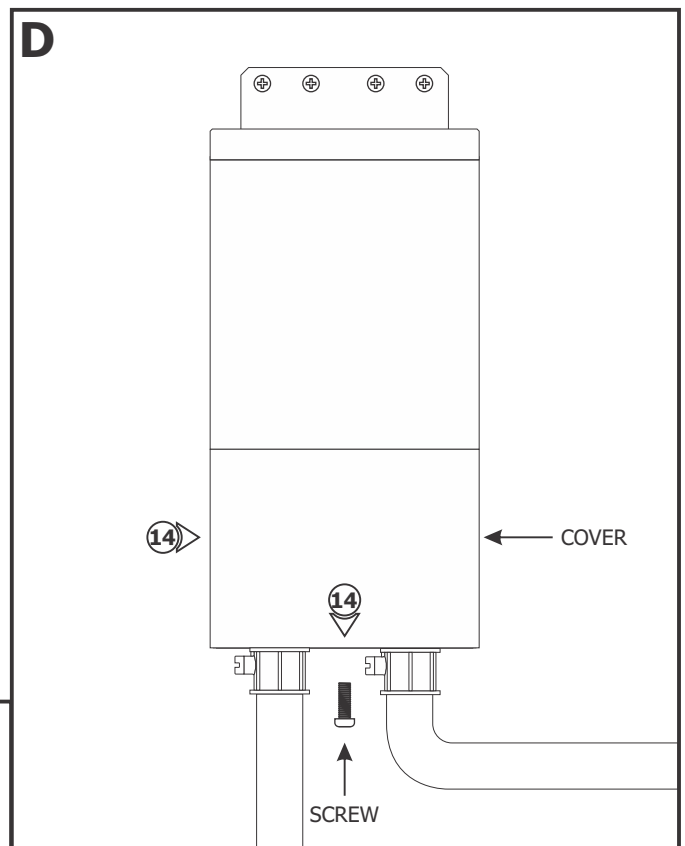
**NOTE:** Use the proper wire size, referring to the "Low Voltage Wire Size Chart" on page 4.

**11:** Connect the yellow and purple wires together to a low voltage wire with a wire nut. Mark this wire as neutral in the junction box.

**12:** Connect the red wire to another low voltage wire with a wire nut. Mark this wire as hot for circuit #1 in the junction box.

**13:** Connect the blue wire to a third low voltage wire with a wire nut. Mark this wire as hot for circuit #2 in the junction box.

**NOTE:** Make sure all wire nut connections are tight inside the transformer.

**D**

**14:** Replace the cover and tighten the screw on the bottom of the transformer.

**15:** Refer to the Exterior Track and Canopy installation instructions.

## 2X150W 120VAC LOW VOLTAGE WIRE SIZE CHART (3% VOLTAGE DROP)

TOTAL CIRCUIT DISTANCE		UP TO 21 FT			22FT TO 32FT			33FT TO 50FT			50FT TO 80FT		
LOAD USED		150W	100W	50W	150W	100W	50W	150W	100W	50W	150W	100W	50W
<b>EACH HOT WIRE</b>	<b>SINGLE WIRE</b>	14 AWG	14 AWG	14 AWG	12 AWG	14 AWG	14 AWG	10 AWG	12 AWG	14 AWG	8 AWG	10 AWG	12 AWG
<b>COMMON WIRE</b>	<b>SINGLE WIRE</b>	8 AWG	10 AWG	12 AWG	6 AWG	8 AWG	10 AWG	4 AWG	6 AWG	8 AWG	2 AWG	3 AWG	6 AWG
	<b>TWO WIRES IN PARALLEL</b>	2 X 14 AWG	2 X 14 AWG	2 X 14 AWG	2 X 12 AWG	2 X 14 AWG	2 X 14 AWG	2 X 10 AWG	2 X 12 AWG	2 X 14 AWG	2 X 8 AWG	2 X 10 AWG	2 X 12 AWG

### Wiring Diagram

