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904-SUN3 03

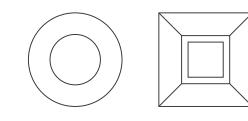
Intertek

Installation Instructions for Sun 3 Round & Square LED

IMPORTANT SAFETY INFORMATION

- **WARNING:** Fixture must be installed in accordance with National and Local Electrical codes.
- Load cannot exceed the total wattage of the transformer rating.
- This fixture must be installed by a licensed electrician.
- For outdoor installation it is recommended to use UL listed type UF underground cable when no conduit is used to power the fixture(s).
- For outdoor installation, use outdoor rated electrical boxes (minimum 1.5" deep), conduit feedings, and wire nuts. For indoor installation use octagon electrical boxes.

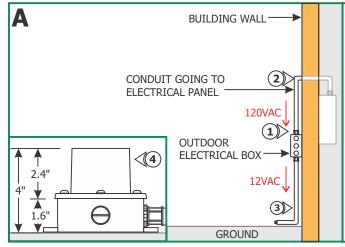
SAVE THESE INSTRUCTIONS!



IMPORTANT INFORMATION

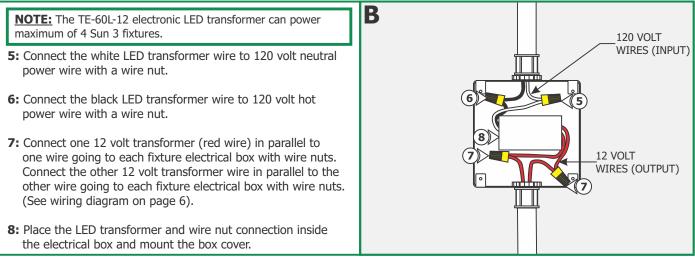
- This fixture must be powered with a 12 VAC magnetic remote transformer (T-150-12, or T-300-12) or an LED electronic transformer (TE-60L-12) only.
- For optical controls such as 20° beam tilt, micro louver or glass lens use SUN3-LL accessory (sold separately).
- When dimming use a magnetic low voltage dimmer with a magnetic remote transformers and electronic low voltage dimmer with an electronic transformer.

Outdoor Installation Using an Electronic LED Transformer (TE-60L-12)

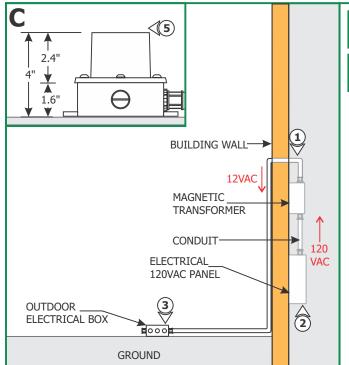


NOTE: If using a magnetic remote transformer to power the fixture omit the steps below and refer to the "Outdoor Installation Using Magnetic Remote Transformer" section.

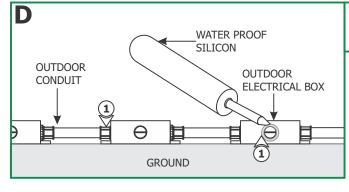
- 1: Install an outdoor electrical box onto the wall or post next to the building to fit the LED transformer (TE-60L-12) and to branch the power to all in ground electrical boxes
- **2:** Install conduit and run 120 volt power wires from the panel to the outdoor box.
- **3:** Install conduit(s) from the outdoor electrical box to all in ground fixture outdoor electrical boxes.
- **4:** Run proper wire sizes from branching electrical box to all fixture electrical boxes using the "Wire Size Chart" on page 6.



Outdoor Installation Using a Magnetic Remote Transformer



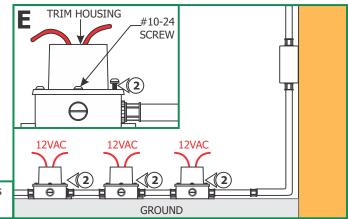
Outdoor Trim Housing Installation



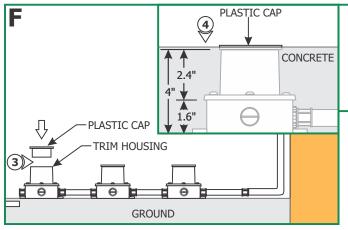
NOTE: The TE-150-12 magnetic transformer can power maximum of 12 Sun 3 fixtures.

NOTE: The TE-300-12 magnetic transformer can power maximum of 24 Sun 3 fixtures.

- **1:** Install the magnetic remote transformer indoor (unless it is rated for outdoor).
- **2:** Refer to the instructions supplied with the remote transformer to run the power from the panel to the remote transformer.
- **3:** Install an outdoor electrical box onto the wall or ground next to the building. Connect a conduit coming from the remote transformer to the outdoor box.
- **4:** Install conduit(s) from the outdoor electrical box to all in ground fixture outdoor electrical boxes.
- **5:** Run proper wire sizes from branching electrical box to all fixture electrical boxes using the "Wire Size Chart" provided with remote magnetic transformer. Wire the transformer wires parallel to the fixture wires. (See wiring diagram on page 6).
- **1:** Caulk all areas of the outdoor electrical boxes and the conduit connectors with a water proof silicon to prevent water entering in the electrical boxes.

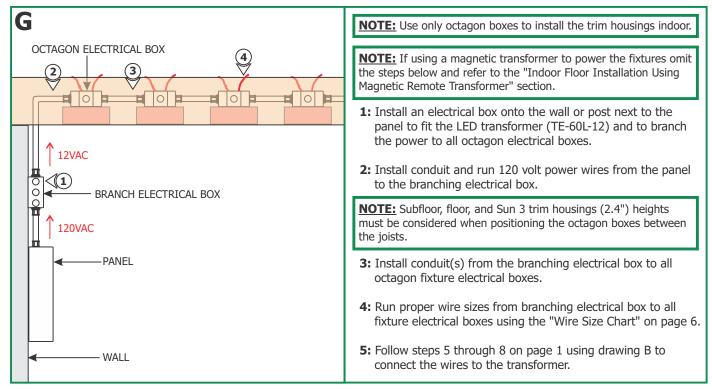


2: Align and secure each trim housing to the electrical box holes with the four #10-24 water sealant screws provided.

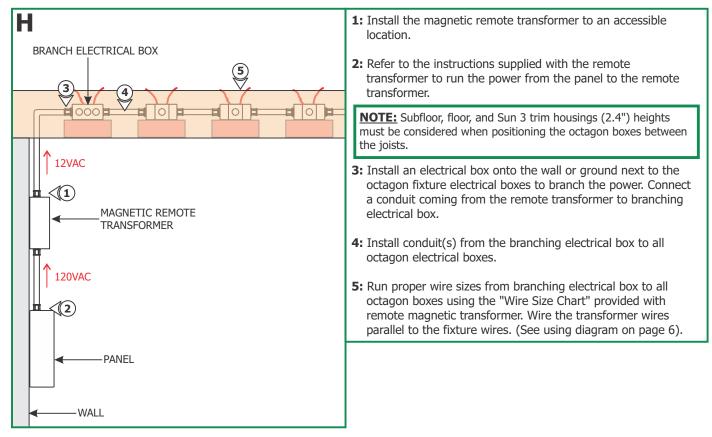


- **3:** Insert the provided plastic caps to all trim housings to prevent particles and concrete debris from entering inside the box.
- **4:** Pour the concrete up to plastic cap and wait to dry.
- 5: Refer to the "Install the Trims" section.

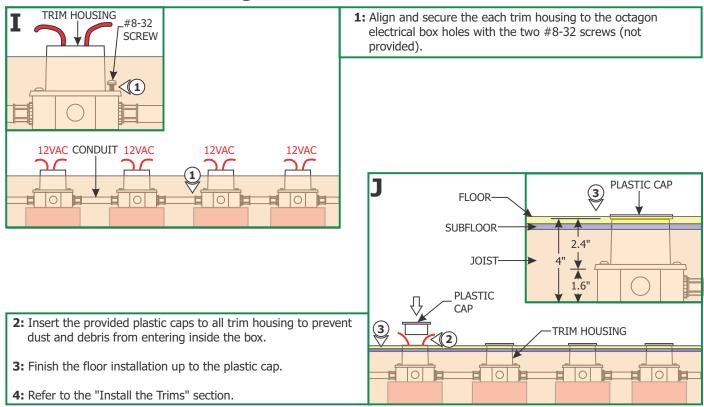
Indoor Floor Installation Using an Electronic LED Transformer (TE-60L-12)



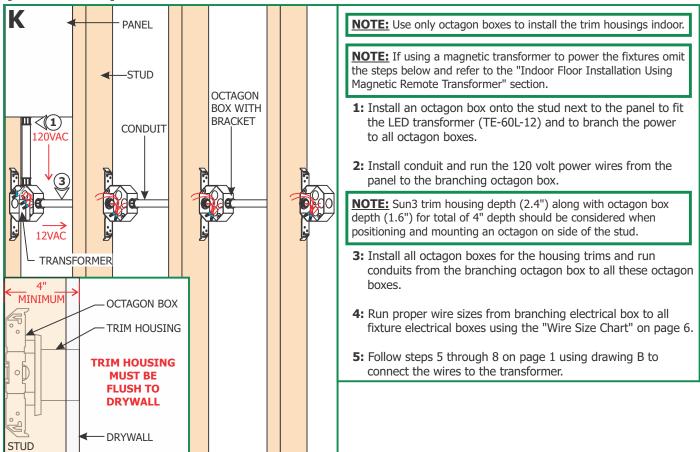
Indoor Floor Installation Using a Magnetic Remote Transformer



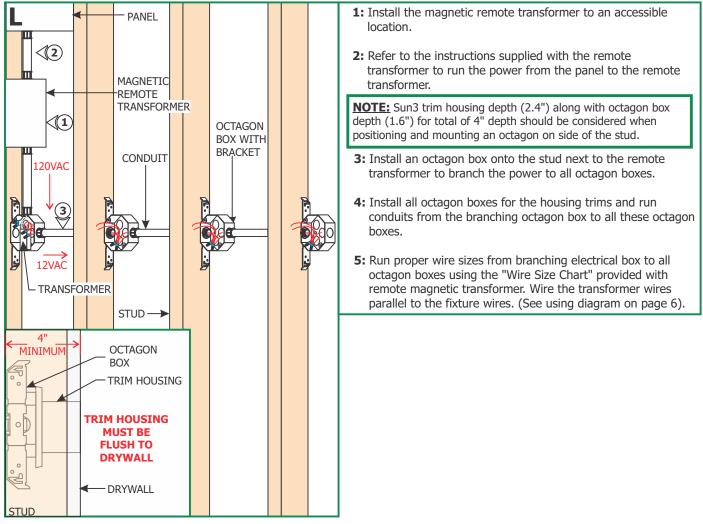
Indoor Floor Trim Housing Installation



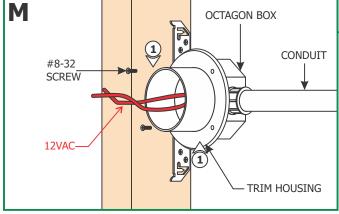
Indoor Drywall Installation Using an Electronic LED Transformer (TE-60L-12)



Indoor Drywall Installation Using a Magnetic Remote Transformer

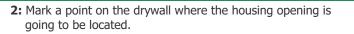


Indoor Drywall Trim Housing Installation & Drywall

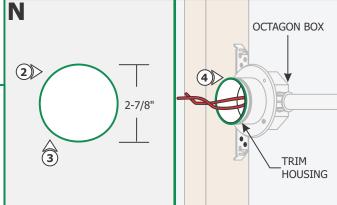


box holes with the two #8-32 screws (not provided).

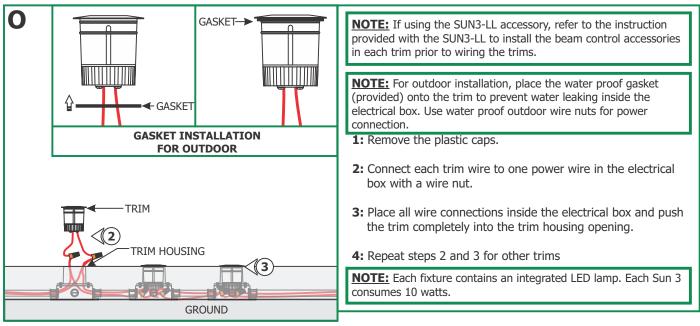
1: Align and secure each trim housing to the octagon electrical



- **3:** Cut out the marked drywall location with a 2-7/8"metal hole saw bit (refer to www.greenlee.com cat# 825-2-7/8).
- **4:** Install the drywall onto the studs making sure that the housing trims is not exposed out of the drywall.



Wiring the Trims (Floor or Wall)



	LOW VOLT	LOW VOLTAGE WIRE SIZE CHART		
TRANSFORMER WATTAGE	WIRE SIZE FOR UP TO 13 FT	WIRE SIZE FOR 14-20 FT	WIRE SIZE FOR 21-34 FT	WIRE SIZE FOR 34-52 FT
12V 60W TE-60L-12	#14 AWG	#12 AWG	#10 AWG	#8 AWG

Overall Wiring Diagram

