

# INSTRUCTIONS: Surface Mount Transformer

Models: LM-EN12-150E  
LM-EN12-250E

## IMPORTANT SAFETY INSTRUCTIONS:

Read all instructions.

Do not conceal or extend exposed conductors through a building wall.

Do not install this system in wet locations.

For low voltage exposed insulated conductor systems required by 30.1© do not install any part of this system less than 7 feet (2.2m) above the floor.

To reduce the risk of fire and burns, do not install this lighting system where exposed bare conductors can be shorted or contact any conductive materials.

To reduce the risk of fire and overheating, make sure all connections are tight.

Do not install any luminaire closer than 6 inches (15.25cm) from any curtain, or similar combustible materials.

Turn off electrical power before modifying the lighting system in any way.

SAVE THESE INSTRUCTIONS

## Installation:

1. The junction box will support the entire weight of the transformer, make sure it is adequately supported.
2. Pass building wires through the center hole of the base plate, and mount base plate to junction box as shown.
3. Connect the transformer wires to like colored building wires (black to black & white to white).
4. Connect the green ground wire from the base plate to the building ground wire (may be green or bare wire).
5. Tuck all connections back into the junction box.
6. Raise the transformer to the base plate and secure with the three screws around the perimeter.

**To install to rail:** See "Installing rail" in the general instructions.

**Note:** These models use electronic transformers. To dim, an electronic low voltage dimmer is recommended. Dimming in a 3-way switch circuit is not possible. Electronic transformers are not suitable for multiple switch locations (one switch per transformer).

High frequency output cannot be read by most standard multi meters. Transformer operation may be confirmed by measuring input amps.

The transformers require a minimum load to work properly.

250-watt model has a 100-watt minimum.

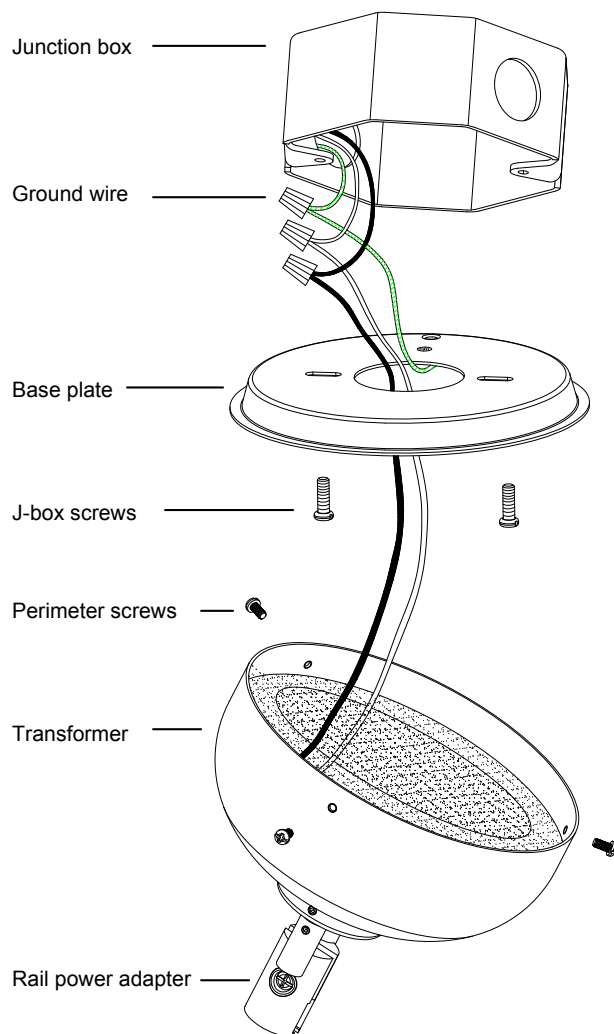
150-watt models have a 60-watt minimum.

## Important: If system does not light on first power up:

Listen for a faint "ticking sound" from the transformer, if present it indicates a short-circuit. Leaving power on will harm the transformer.

Turn off power, separate rail from transformer.

Check for continuity between rail conductors (lamps must **not** be installed). If a short is indicated, remove fixtures one by one to locate the shorted component. If necessary contact WAC tech support for additional assistance.



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