



# INSTALLATION GUIDE

Model SA60LED LED Monorail Canopy  
(For use with Besa low voltage LED lighting systems only)  
SA60LED, Rev.1 8-12



BESA LIGHTING

6695 Taylor Rd. Blacklick, OH 43004  
www.besalighting.com

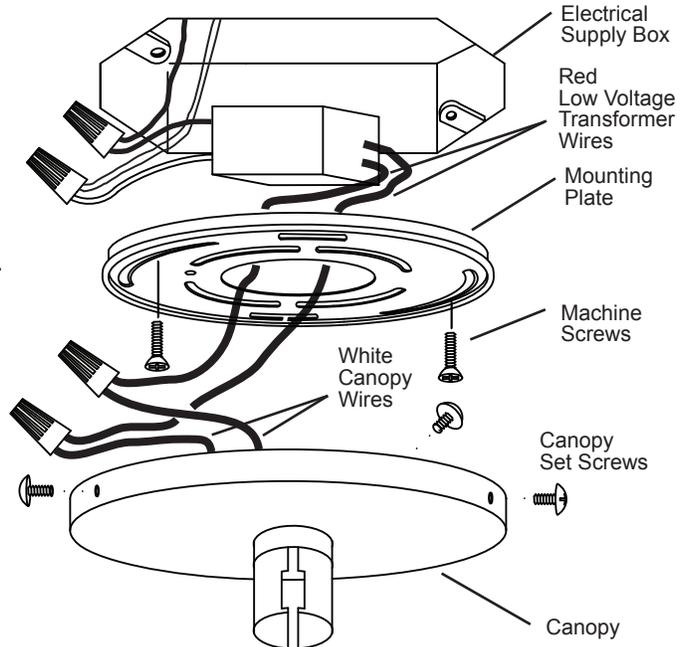
**Caution: Turn off power to electrical box before installing**

## Installation of Canopy:

1. Connect the electrical leads from the transformer to the house supply wires, black to black and white to white, and secure with the wirenuts provided.
2. Loosen Canopy Set Screws to release Mounting Plate. Push the Red Low Voltage Transformer Wires through the center opening in the Mounting Plate.
3. Secure Mounting Plate to the electrical Supply Box using Machine Screws.
4. Connect the Red Low Voltage Transformer Wires to the White Canopy Wires, then secure with the wirenuts provided.
5. Carefully push the wirenuts and wiring back into the Supply Box, then position the Canopy up to the ceiling.
6. Tighten the three (3) Set screws until the Canopy is secure to the ceiling.
7. The monorail can now be connected to the canopy.

### NOTE:

For applications where the monorail is not directly below the canopy, utilize the flexible feed provided.



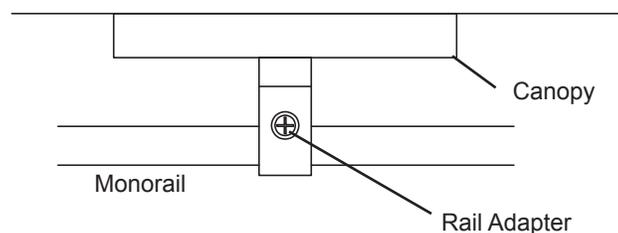
## Transformer Operation:

The SA60LED uses a 60 watt low voltage electronic transformer, designed to power multiple LED luminaires with a combined load of 60 watts or less.

No minimum load is required.

For dimming, an electric low voltage dimmer is recommended.

## Installation of Monorail:



1. Loosen Set Screw on the Rail Adapter of the Canopy.
2. Raise the Monorail into the Rail Adapter, then tighten Set Screw.
3. Turn on power to system.

Operate system for 5 minutes, then verify that the connections are running cool to the touch.

# INSTALLATION GUIDE

Model SM300 Surface Magnetic Transformer  
(For use with Besa low voltage lighting systems only)  
SM300, Rev.5 2-09



BESA LIGHTING

6695 Taylor Rd. Blacklick, OH 43004  
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## 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(c) 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 the 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 (15.25 cm) from any curtain, or similar combustible materials.
- Turn off electrical power before modifying the lighting system in any way.
- Do not connect to an ungrounded supply.

## SAVE THESE INSTRUCTIONS

**IMPORTANT:**  
Do NOT use a standard incandescent dimmer.  
Use a magnetic low voltage dimmer only.

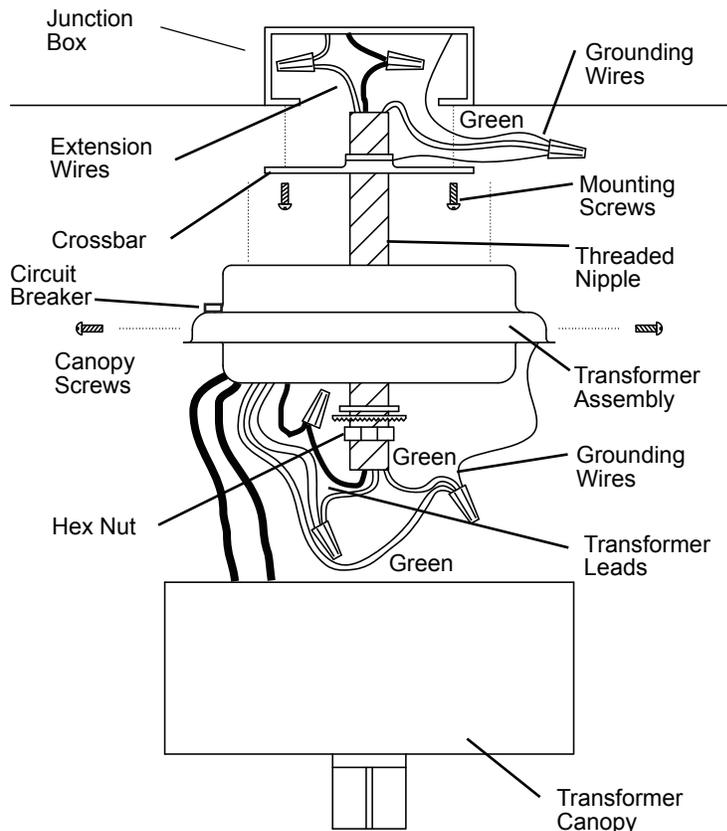
### Installation of Transformer:

- Extension Wires are supplied to connect the Building Wires to the Transformer leads. Connect white neutral wire to the white wire, and black hot wire to black wire with wire nuts. The Ground Wire may be green or bare copper, connect it to the green wire and mounting crossbar ground wire using a wire nut.
- Carefully pass the Extension Wires through the center hole of the supplied Crossbar/Threaded Nipple assembly, then secure crossbar to the Junction Box with Mounting Screws.
- Raise the Transformer Assembly onto the Threaded Nipple, then secure with the Washer, Star Washer and Hex Nut.
- Connect the Extension Wires to the Transformer Leads with wirenuts. Connect white neutral wire to the white wire, and black hot wire to black wire with wire nuts. Then connect the grounding wires to the green wire.
- Install the Transformer Canopy by positioning onto the Transformer Assembly and securing with the three Canopy Screws.
- The monorail can now be connected to the canopy.

#### NOTE:

For applications where the monorail is not directly below the canopy, utilize the flexible feed provided.

**Caution: Turn off power to electrical box before installing**



### Installation of Monorail:

- Loosen Set Screw on the Rail Adapter of the Canopy.
- Raise the Monorail into the Rail Adapter, then tighten Set Screw. If needed, the opening of the Rail Adapter can be increased by loosening the Allen Screws, then retighten.
- Turn on power to system.

Operate system for 5 minutes, then verify that the connections are running cool to the touch.

