

# GM Lighting

For Model # LTHM-50-DIM and LTHM-100-DIM

## **General**

This transformer is to be installed in accordance with Article 450 of the National Electric code. The transformer must be installed in a well-ventilated area free from explosive gases and vapors. Proper operation requires the free flow of air. Only a qualified electrician should install this hardwired transformer.

## **Precautions Before Installing**

Check the label and ensure the transformer has the proper input voltage, output voltage and wattage for the job. Check the wire markings to ensure they match the wiring diagram on this instruction sheet.

## **Mounting**

Select a suitable location capable of supporting the weight of the transformer. Use the two keyholes provided on the mounting flange.

## **Input Connections/Grounding**

Remove the wiring compartment knockouts and install strain reliefs. With power turned off, route the input wires through a strain relief and connect one wire to black and one wire to white. For all wire connections use only UL listed wire nuts and connectors of suitable size and type. The transformer case **MUST** be grounded in accordance with the N.E.C. Connect the green wire transformer to ground.

## **Output Connections**

Bring the 12 volt DC lamp wires through the open knockout and connect the positive (+) side to the red transformer wires, and negative (-) side to the blue transformer wires.

## **Boost Tap**

This transformer is equipped with an optional 10% boost tap which can compensate for voltage drop between the transformer and the lighting fixture. If the fixtures are receiving 10.5 Volts or less, we recommend you connect the boost tap. To use the boost tap, the input wires are connected to the orange and white wire instead of the black and white wire. Make certain the black wire is capped with a wire nut if you use the boost tap. Make certain the orange wire is capped with a wire nut if you do not use the boost tap.

## **INPUT WIRES WITHOUT BOOST TAP:**

**Black & White**

## **INPUT WIRES WITH BOOST TAP:**

**Orange & White**

**GROUND WIRE: Green**

**OUTPUT WIRES: Blue (-) & Red (+)**

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