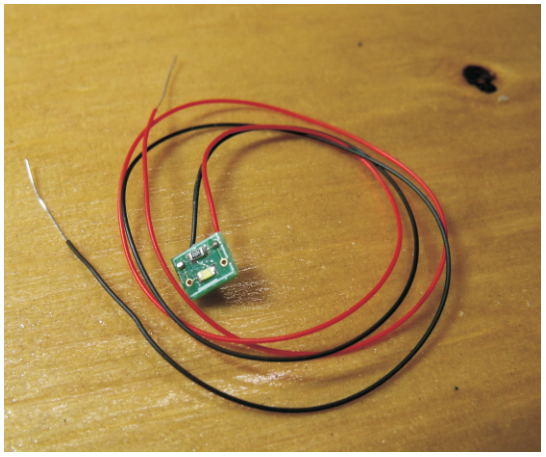


WARNING

Note that these ARE NOT TOYS, AND ARE NOT INTENDED FOR USE BY CHILDREN UNDER AGE OF 14. These products are model railroad equipment and accessories intended for use by adults.

IL-1 & IL-2
Interior Lighting for Model Railroad Buildings

www.eaelec.com

Made in Canada

Introduction

The IL-1 is a product for interior lighting of model railroad buildings. It uses a high efficiency white LED to provide bright light with a minimum of current. The IL-2 is identical to the IL-1 except the wire leads are longer.

Specifications

Input Voltage Range - 3.3 volts to 5 volts DC - (requires 5 volts for full brightness)

Current Drain - 3 milliamps at 5 volts

Maximum Reverse Voltage - 5 volts

Physical Dimensions of Printed Circuit Board: 6 mm X 5 mm (.23" by .2 ")

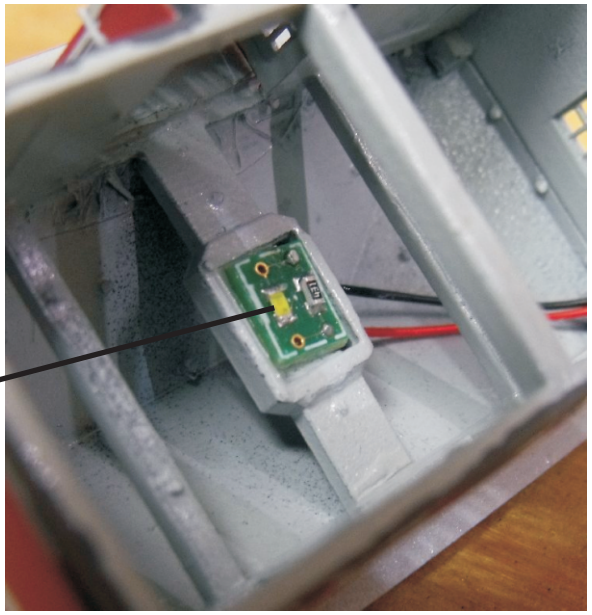
Wire Leads Length IL-1 – 20 cm (8 inches)

Wire Leads Length - IL-2 – 40 cm (16 inches)

Mounting The Unit

Model railroad buildings made by eaelec.com feature a holder built into the roof for easy mounting. Glue the circuit board into the holder with CA or double sided tape glue as shown below.

Glue board to holder

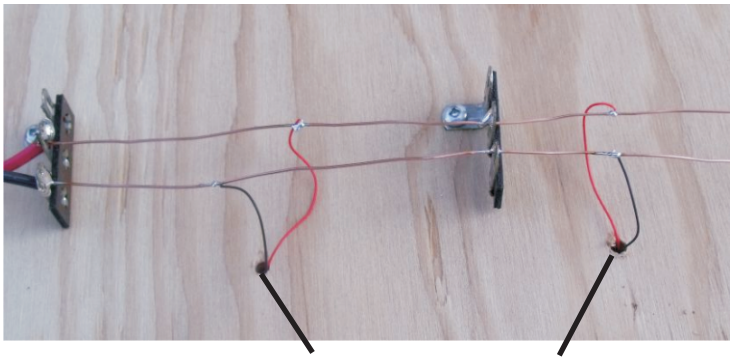


ConnectingThe Unit

One way of connecting the unit to a DC power source is to run a power bus under your layout. A power bus is simply two parallel strands of uninsulated solid copper wire. The wires from the IL-1 (or IL-2) are soldered to the bus as shown below. This assumes you are handy with a soldering iron.

Another way of connecting is to use screw terminal strips which can be wired without soldering.

DC power bus on the underside of layout



Wires from buildings

Screw Terminal Strip