

### Micro Star™ Installation Instructions for RailEasy™ Systems

Micro Star™ is a complete line of small, super bright white LED lights (Figure A). These systems are available in 12 volt and each draws only 0.02 amps. Each Micro Star™ has an expected bulb life cycle of 25,000 hours. Micro Star™ lights are the ideal addition to any indoor or outdoor railing application.

The following guide will take you step-by-step through the process of installing Micro Star™ LED lights on a RailEasy™ system.

## Installing Micro Star™ LED Lighting

### Install the Transformer

Mount the Micro Star™ transformer (supplied) near an 110v, power outlet but leave transformer unplugged until it is needed (Figure B). Select the end post closest to the outlet in order to connect to the transformer. You will need to run the low voltage wire down this post so plan accordingly. If you are using the white vinyl sleeves or other sleeves with your rail system, you can run the wire down inside the sleeve to keep it hidden and protected. Take care to run wire on a side where there is no hardware mounted. If you are not using sleeves, other arrangements will need to be made to conceal the wire.

### Find the Center of the Top Rail

Use a square and a tape measure to mark the center of the first post. For 36" systems, measure 35" from the deck surface and mark a line on the post at this height. Measure 41" from the deck for 42" systems. The intersection of these lines is the center point for your top rail (Figure C). If installing a bottom rail, repeat at the desired lower rail height. *Note: Southern building codes require bottom rail spacing of no more than 2".*

### Drill Holes Through Posts for Wire

Locate center of fittings as instructed in "Installing Rails for Straight Sections." At the centers, drill a hole with a 1/4" drill bit 2/3 of the way through the post from both ends. It is important that these holes meet in the center of the post so care should be taken in locating the centers. Thread supplied jumpers through post and fittings.

### Connect Rails with Jumpers

Beginning with the end post closest to the transformer, connect rails sequentially with the jumpers (Figure D). **VERY IMPORTANT: Always connect and test as you go. Check every section as you assemble to verify that the lights are fully functional and that there are no electrical connection issues.** Install rails as they are connected according to instructions located in this installation guide.

## ATLANTIS RAIL Contact Information

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Figure A. Micro Star™ LED light



Figure B. DC transformer is comprised of heavy-duty water resistant material..

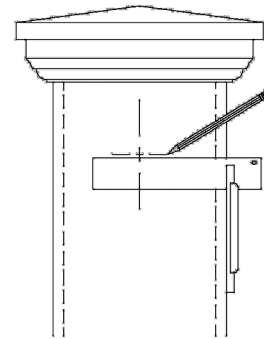
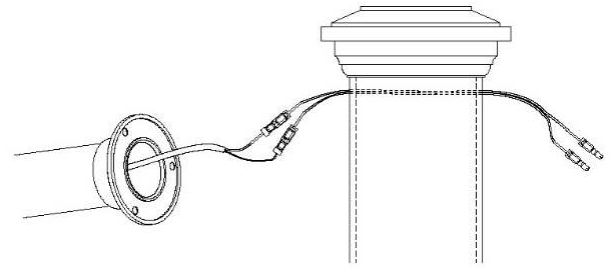


Figure C. Use a square and tape measure to mark the center of your posts

**NOTE: ATLANTIS RAIL CHECKS EACH LIGHT IN OUR SHOP TO BE SURE THAT IT IS FUNCTIONING ACCORDING TO SPECIFICATIONS. HOWEVER, IT IS A GOOD IDEA TO CHECK THE LIGHTS ON SITE TO BE SURE THAT NO WIRING CAME LOOSE IN TRANSIT.**



**Figure D.** Beginning with the end post closest to the transformer, connect rails sequentially with the jumpers.

**WARNING: 12 VOLT DC POWER SOURCE ONLY. Micro Star™ LED lights are used with direct current transformers only. Using an alternating current transformer or a transformer over 12 volts will cancel all warranty claims and cause the lights to burn out prematurely.**