

### Micro Star™ Installation Instructions for SunRail™ 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. Along the way, we'll offer you tips and tricks to help you get your railing installed today and ready for tomorrow.

## 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. You may need to drill an additional hole in the decking beneath this post to run the low-voltage wire to keep it hidden.

### Install Jumpers

Run supplied jumper wires between all fittings. This includes tees, elbows and 3-way corners (Figure C). Adjustable fittings and dovetails should already have jumpers installed for your convenience.

### Connect Rails with Jumpers

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

**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. WHEN TESTING DURING THE DAY, COVER THE OPTICAL SENSOR.**

## 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. Run supplied jumper wires between all fittings, including tees, elbows and 3-way corners. Adjustable fittings and dovetails should already have jumpers installed for your convenience.



Figure D. Atlantis Rail pre-installs Micro Star™ lights and wiring in the rails before shipping to a customer.

**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.**

**NOTE: RED WIRES ARE ALWAYS POSITIVE (+) AND BLACK WIRES (SOMETIMES WHITE) ARE ALWAYS NEGATIVE (-). DO NOT EXCEED 2 AMPS FOR A POWER SOURCE. DO NOT USE AN AUTOMOTIVE, MARINE OR MOWER BATTERY AS THIS MAY DAMAGE THE WIRING. BEFORE APPLYING LOCTITE 326® BRAND ADHESIVE TO FITTINGS AND TUBING, BE SURE TO TEST EACH CONNECTION ON BOTH ENDS OF THE TUBE. IF ANY ADDITIONAL WIRING AND CONNECTIONS ARE REQUIRED, WIRE USING A "PARALLEL" CIRCUIT. USING A "SERIES" CIRCUIT IS NOT RECOMMENDED.**