

Prop and Scenery Lighting, LLC

www.propscenerylights.com

Application Note: AN-1706

Static control for electronics and LED lights used in props, scenery and theatrical costumes



Electro Static Discharge (ESD) can damage LED lighting and control components. Damage can be catastrophic or latent. Prop and scenery lights and control components are minimally sensitive to static in most applications but certain conditions and materials can present an increased risk of damage.

For reducing the risk of static damage to electronic lighting and control components used in props, scenery, and theatrical costume applications, several precautions can be taken:

- 1) Assembly Environment: Assemble in an environment at 40%-60% humidity
- 2) Usage: For surfaces and materials that electronics and led lights are in contact with, treat assembly surfaces, fabric, and costumes with an anti-static spray. These reduce static on surfaces and materials. Static reducing and eliminating sprays may also be called by names such as: static eliminator spray, anti-stat spray, or antistatic spray.
- 3) Storage and Shipping: Store and ship electronics for props, scenery, and costumes in static shielding bags (often silver in color) and/or use anti-static poly bags and bubble wrap. These materials are sometimes called "pink poly" bags and bubble wrap.

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