



## CASE STUDY: LINDSLEY LIGHTING, INC.

### BACKGROUND:

Lindsay Lighting takes a fresh approach to designing and manufacturing LED light fixtures. Lindsay Lighting fixtures can be specified for indoor and outdoor usage – delivering a seamless look and feel for interior and exterior lighting. The sleek modernist designs leverage the low profile of LEDs and deliver warm, natural light color with high color rendering. The high performing LED lighting fixtures also deliver extraordinary energy efficiency and a long lifetime.

### CHALLENGE:

Most lighting companies focus on either indoor fixtures or outdoor fixtures due to their inherent design differences. Lindsay Lighting sought to break that paradigm and deliver customers a seamless lighting experience – bridging the look and performance of lighting from indoors to outdoors. Traditional design leverages gasketed enclosures to prevent water from damaging electrical components. However, since gaskets can fail over time or are broken and repaired ...water and moisture are often trapped inside. Lindsay Lighting eliminated this design flaw and pioneered a process that allows water to flow-in but very importantly, flow-out and not be trapped. A key element to the design success was finding a conformal coating product to protect the circuit boards and shield LEDs and the electrical components from water and moisture.

### SOLUTION:

Lindsay Lighting only uses energy-efficient LEDs in all fixtures and uses Cree LEDs for all LED circuit boards. Shat-R-Shield is a certified Cree Solutions Provider for conformal coating and was a first choice for Lindsay Lighting. Shat-R-Shield's silicone conformal coating products are formulated to provide maximum protection with minimal affect to LEDs and circuit boards. The high-performance conformal coating delivers protection against moisture, dust, chemicals and other outdoor corrosions.

### RESULTS

Lindsay Lighting has put their outdoor lighting fixtures in snow, rain and harsh outdoor conditions and has had zero problems and no product failure. Shat-R-Shield's conformal coating helped Lindsay Lighting deliver a consistent indoor/outdoor form-factor that has accelerated adoption and ensured a waterproof lighting product.



“We use Cree LEDs in most of our fixtures, and Shat-R-Shield is the only conformal coating they will warrant their product against. We have seen what can go wrong when water damages outdoor lighting fixtures. Leveraging Shat-R-Shield conformal coating on circuit boards, we have never had a product fail due to water or outdoor corrosion.”

– Karen Jess-Lindsay, CEO, Lindsay Lighting

