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## New CircLED Technology Highlighted in Eneref Report Promoting Sustainable Circular Economy

Fenton, MO, (Aug 31, 2018) – The new CircLED, exclusively available from SLP Lighting, was strongly recommended in a new report by Eneref Institute ([www.eneref.org](http://www.eneref.org)) as part of their campaign to increase the recyclability of LED luminaires. Eneref Institute is a research and advocacy organization for sustainable development with an initiative to inspire solutions that promise an earth-friendly economy through socially responsible sustainable development.

The CircLED is a thermally conductive molded polymer high bay, offering a lighter weight alternative to die cast fixtures, while thermally managing up to a 200 Watt LED Engine. As part of Eneref’s campaign to inspire solutions that promise an earth-friendly economy, Eneref Institute examined opportunities to replace aluminum component parts in LED luminaires with polycarbonate, with the overarching goal of reducing the environmental footprint of the lighting industry. According to the Eneref report, thermoplastic heat sinks have environmental advantages over aluminum because the energy needed to recycle thermoplastics is one-fourth that of aluminum.

In fact, the report goes on to explain, that compared to the same volume of aluminum, polycarbonate requires less energy to ship, because it is less dense and therefore weighs less, as exemplified by the lightweight design of the CircLED high bay.

“With the CircLED, SLP took a bold, brave step into the future, by solving an old problem in a new way,” explained Seth Warren Rose, Founding Director of Eneref Institute. “We would strongly encourage the entire lighting industry to follow SLP’s lead and consider the sustainability benefits of polycarbonate heat sinks.”

According to the Eneref report, optimizing design by consolidating components of the same material streamlines both the manufacturing and recycling of luminaires. With fewer components made from fewer materials, the purchasing, shipping and warehousing processes are simplified.

Polycarbonate, a thermoplastic, can be economically recycled into secondary, post-industry applications.

**DOWNLOAD ENEREF REPORT:** <http://eneref.org/report-details/employing-polycarbonate-components-to-design-sustainable-luminaires/>



### **About SLP Lighting:**

In 1969, Koller Enterprises Inc. bought the plastic louver business of MSL Industries and formed Scientific Lighting Products(SLP). SLP started with three different louvers and based on customer needs, expanded and refined the offering of plastic louvers, metal louvers and weatherproof enclosures. The SLP engineering team has continuously followed the lamp source from T12 to T5 to LEDs. Each of our products are tailored to the latest technology and are designed to utilize the newest light sources to their fullest. Our Heat Lab, IP Test Booth and Goniometer assure that our products will meet the ever changing needs of the market.