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## **Lumenal Lighting Completes LED Lighting Design and Installation for Elementary Schools in O’ahu, Hawaii**

*Kauluwela and Kapalama Projects are Part of the Hawaii Department of Education’s Ka Hei Program*

**KAPOLEI, HI – December 15, 2015** – Lumenal Lighting today announced it has completed LED lighting upgrades at two schools on O’ahu, Kauluwela and Kapalama Elementary, in conjunction with the Hawaii Department of Education and OpTerra Energy Services.

“We’re honored to be included in the Department of Education’s vision for the future,” said Van Matsushige, Lumenal Lighting’s Senior Lighting Consultant. “We were tasked with reducing the schools’ utility costs and partially offsetting the electrical loads of each facility. Given the important role of lighting in educational and administrative settings, maintaining optimal lighting levels was also a top priority. This project was a perfect fit for our team.”

As part of the Hawaii Department of Education’s Ka Hei program, a five year endeavor that will integrate innovative energy technology with meaningful learning experiences, all while reducing energy costs, Lumenal Lighting was contracted by OpTerra Energy Services to perform complete LED lighting upgrades at the two elementary schools on O’ahu.

“After evaluating the existing lighting design in the classrooms, our team determined that the number of fixtures could be reduced while maintaining critical light levels,” continued Matsushige. “The system we designed was based on photometric analysis of each room, taking into consideration aesthetics, ambient light and specific tasks associated with the educational and work areas.”

The results are remarkable. For the Kauluwela Elementary School, the annual energy savings is projected to be 107,000 kWh, a 72% electricity reduction. For the Kapalama Elementary School, annual energy savings is projected to be 161,000 kWh, a 72% electricity reduction. The combined annual cost savings for the schools are projected to be \$103,000. The projects also achieved timeline efficiencies, with all installation work completed within five weeks per school.

### **About Lumenal Lighting**

Founded in 1980, Lumenal Lighting delivers a full range of lighting services and products to commercial, industrial and institutional clients. Lumenal Lighting has operations throughout the Pacific region, including Washington, Oregon, Idaho and Hawaii. The privately held company provides lighting design, installation, maintenance, retrofit/upgrade and recycling services. Lumenal Lighting’s skilled team helps customers increase energy efficiency and enhance the appearance, functionality and safety of their interior and exterior environments. Lumenal Lighting is an active member of the International Association of Lighting Management Companies (NALMCO), the Building Owners and Managers Association (BOMA), and the Master Builders Association (MBA). The company is a licensed recycler and strives for 100% recycling. More information is available at [www.lumenal.com](http://www.lumenal.com).

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