

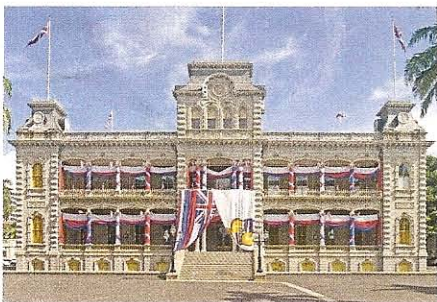
Iolani Palace Innovates Once More

The lights at Iolani Palace have come full circle. The innovative King David Kalakaua lit the palace with electric lamps well before Hawaiian Electric Co. was created, and even before the White House lit up.

Now the Friends of Iolani Palace have installed thoroughly modern and ultraefficient exterior lighting that the king would have appreciated.

The new lighting system, designed by Tom Brennen, president of Eco-Lite, consists of 28 fixtures mounted in the moat — the only allowable fixture location due to historic place status.

Each fixture contains two 50-watt compact fluorescent lamps (CFLs). The deep troffers and highly specular finish are specifically designed to fully utilize the CFLs' lumen output. The total draw is just 2,968 watts — less than a single water heating element. An earlier proposal to light the palace included 32 fixtures drawing 300



watts each for a total of 9,600 watts.

The design is slated for entry in the Energy and Environmental Design section of the Illuminating Engineering Society's Lighting Awards Program. Should it receive an award from the Hawaii chapter, it will move on for international judging.

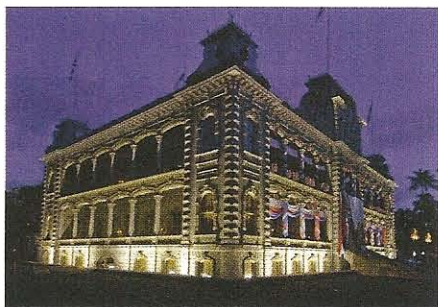
To mark Hawaii's status as a modern nation, the Hawaiian government originally appropriated \$130,000 — a sum unheard of at the time — to build a modern palace. The final cost was \$360,000.

The cornerstone for Iolani Palace was laid on Dec. 31, 1879, with full Masonic rites. In December of 1882, Kalakaua and Queen Kapiolani took up residence in their new home.


Newspapers invented the phrase "American Florentine" to describe the architectural style, and no other building in the world looks quite like it.

The first king to travel around the world, Kalakaua met Thomas Edison, viewed a display of electric lights while in Paris and had the palace wired for electricity.

Kalakaua's love of the modern included his installing indoor plumbing with hot and cold running water and a modern communications system — the recently invented telephone to call a handful of subscribers and his chamberlain's office.



The new-fangled lights served the king and Hawaii well. David Kalakaua is remembered as the Merrie Monarch because he was a patron of culture and arts, and enjoyed socializing and entertaining, often lavishly. He and the queen used the palace for official functions and receiving dignitaries and luminaries from around the world.

King Kalakaua would have been proud that thoroughly modern and ultraefficient fixtures are highlighting America's only royal residence. 

ECO-LITE

The Energy Conservation Specialists salutes our customers for the selection and installation in their building facilities, award winning energy efficient lighting fixtures supplied by ECO-LITE, and recognized with an IES (Illuminating Engineering Society) Certificate of Award for Outstanding Energy Efficient Lighting Design

SAVE TIME, MONEY AND ENERGY

Call Tom Brennan at ECO-LITE

808 923 4271