

CLEDS™ from Celadon Energy Systems® Transforms San Francisco Residence into Comfortable and Cost-Efficient Living Space

Celadon Energy Systems is a young, rapidly growing alternative energy solutions company that took on the exciting challenge of furnishing cutting-edge lighting technology in a San Francisco residential flat originally built in 1896 and last renovated in the 1950s. As part of a comprehensive remodeling project, Celadon worked collaboratively with a team of architects, engineers, designers, electrical and building contractors and the City of San Francisco. The ultimate goal, says Celadon Energy Systems' president, Gina White, was to "design and engineer an elegant living space that suited our



customer's budget and exceeded their expectations."

One challenge at the onset was achieving the perfect lighting texture for the newly remodeled space. Fourteen 5w CLED lights with dimming switches were installed in the 1,400 square foot residence. Initially it was discovered that there was not enough desired light throughout the home. However, says Chris White, Celadon Energy Systems' logistician, one of the benefits of Celadon's new CLEDS is that its intensity control is very flexible and "can be modified on the fly." This was an important consideration because not only is the advanced CLED technology not available elsewhere on the market today, but the very nature of its inherent design makes it agreeable for complex remodeling projects like this one.

Celadon Energy Systems' CLEDS are highly efficient, environmentally-friendly, "green" lighting systems designed for affordable mixed-use, residential and commercial applications. A dramatic departure from traditional lighting, CLEDS use a small fraction of the energy consumption of incandescent and fluorescent lighting. They also produce little or no heat. This vastly improved energy efficiency and sustainability translate into cost savings for customers and less reliance on the energy grid. Further, because CLEDS have a much longer life than these legacy solutions, maintenance costs are lower, too.

CLEDS: A Logical Choice

David and his wife are first-time home buyers and have been living in their San Francisco flat for about a month. Even though their experience to date has been brief, they've already seen and experienced firsthand the immediate benefits of living with the CLEDS versus having a home with fluorescent and incandescent lighting. "those lights are whiter, brighter, and harsher. And they can be distracting," David says. "The High Efficiency (HE) LEDs have almost a blue [color] feel to them, making the overall light in our home softer and more relaxing. What's more, they have dimmers on them so you can further adjust the room's ambience."

CLEDS are a logical choice for David's family for their home and lifestyle. Why? "(Some of the small accent) CLEDS are on all the time, so we don't have to switch them on and off. It gives us a feeling of security. They are very cost-efficient. We run them very inexpensively, literally for seven pennies a day. Further, the lights make our home have a nice flow and aesthetically define the rooms."

Master Bathroom

One particular aspect of the home that is really a standout is the master bathroom. David and his wife especially enjoy the lighting ambience over the bath and shower, which he says provides a comfortable, soft atmosphere that is very nice and relaxing. Celadon installed in the ceiling five recessed CLEDS, directly over the roman tub and surrounding the rain-shower head. Two CLEDS (each 2" in diameter)



were installed on each side of the shower head directed toward the marble and tile wall for a dramatic effect. Celadon's customer is so happy with the CLEDS, in fact, he is considering changing a traditional motion-sensor light in the master bath that operates the incandescent lights he now finds too bright and glaring.

Aside from what David calls an "estate feel" to his new CLED-fitted home and the comfort and softness the CLEDS give the entire home's atmosphere, he's also mindful of the energy efficiency that his CLEDS provide over traditional lighting. "We're not fanatics, but we do, for example, use eco-friendly, biodegradable products that are good for the environment and are personally healthy for us. Therefore, we see the CLEDS as a natural extension of that philosophy, so it works great for us from that perspective as well," David says.

The CLEDS' duration and shelf-life also make an impact. CLEDS have an expected half life of 50,000 to 100,000 hours—many times the

expected life of fluorescents and incandescent lights. David knows his CLEDS will last 10 years before he'll even have to think about a changeover. "It's great that I don't have to worry about it, the nearly zero maintenance. It's very convenient," he says.

A Green Present, a Green Future—and a Customer's Delight

Celadon Energy Systems prides itself and its sterling reputation on its commitment to quality and personalized service. David reports that, in addition to his family's delight with the CLEDS, he is very pleased with Celadon's customer service. "Celadon was very proactive. They came to our house for a personal walk-through, explained how everything works, how it was set up, and the CLEDS' benefits. They were very responsive," he notes.

As for others who may wonder about the benefits of having CLED lighting in their home, David offers this advice: "If you're interested in saving money year over year, and doing something positive for the environment and your own personal health—while at the same time enjoying the very soothing effect that this new, green technology can have on your home's atmosphere, it's the way to go."

Does he see Celadon's future products in his future? "Absolutely. I'd be willing to test out any new products that they come out with to see how they work for us. I'd definitely work with Celadon Energy Systems again. Celadon is truly the future of lighting."

