



CASE STUDY

**METRO LIGHTING**

COMMERCIAL RETAIL & FABRICATION

Acterra Sustainable Built Environment Award 2011

System Size	21 kW DC
PV Solar Equipment	120 Sharp 175
Est. Production	27,397 kWh/year
Est. CO <sup>2</sup> Avoided	32,876 lbs/year
Est. Load Covered	100%



"When Sun Light & Power installed a 19kW array at our previous location they were helpful up front, thorough and professional in their installation, and responsive whenever we had questions or needed maintenance. That's why we chose them again."  
Lawrence Grown and Christa Rybczynski, owners of Metro Lighting, Berkeley

**The Project Story – A Very Green Lighting Store**

Metro Lighting features what is believed to be the America's first and only solar-powered lighting showroom. They also fabricate custom lighting fixtures on site. When the opportunity came to purchase their own building, Metro Lighting wanted to continue their environmentally responsible practices and control energy costs at their new location.

**"Using solar feels great. We use a lot of power at Metro Lighting, even with all our energy-efficient lights and appliances, so installing a solar array allows us to take responsibility for that energy usage."** L.G.

Metro is committed to quality, durability, energy efficiency and local manufacturing. Solar makes sound economic sense for their business.

**The Sun Light & Power Solution**

Sun Light & Power was proud to design and install a second system for Metro Lighting. This system is mounted on pipe racks to avoid shading from the building parapet and numerous skylights and is sized to offset 100% of the electric load required to light the showroom, for general use, and for equipment used for custom fabrication. In the true spirit of long-term added value and recycling, the original solar system was purchased by the previous landlord and will provide clean energy for the new tenant, a restaurant.

➤ **Environmental Benefits**

Every year this system removes the equivalent of 3 cars from the road, or prevents 35 barrels of oil from being drilled, transported and burned. It would take 3.2 acres of trees to capture and store this much CO<sup>2</sup> from the atmosphere every year.

**Financial Savings**

This system will reduce Metro's variable expenses immediately, pay for itself in 8-9 years and then generate thousands of dollars in annual savings.

**Customer Profile**

Metro Lighting, locally owned and operated since 1993, offers handcrafted lighting inspired by Art Nouveau, Craftsman and modern aesthetics. They are proud to be a Certified Green Business and are on track to achieve LEED Gold status at their new location. Custom lighting solutions are fabricated on site, and a gorgeous selection of locally crafted custom glass is offered. Visit their showroom at 2240 San Pablo Ave. in Berkeley or online at [www.metrolighting.com](http://www.metrolighting.com).

➤ **Sun Light & Power Profile**

Passionate people tend to get very good at what they do. With 34 years of experience as a leader and pioneer in the solar industry, Sun Light & Power, provides the highest possible design, engineering and installation expertise for solar electric and thermal energy needs and places high value on lasting customer relationships.



1035 Folger Ave., Berkeley, CA 94710  
(510) 845-2997 or (800) 233-4SUN

[www.sunlightandpower.com](http://www.sunlightandpower.com)

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