



# Why Use EvoLucia LED Lighting?

**EvoLucia™ LED Lighting is Clean.** LED lighting is the most advanced alternative to antiquated, inefficient lighting – and EvoLucia is the most advanced LED lighting available. EvoLucia LED lights are energy-efficient and environmentally friendly, as they use up to 75% less energy than traditional light sources, require zero maintenance and drastically reduce carbon emissions. They use no toxic chemicals like the mercury that is found in compact fluorescent bulbs.

**EvoLucia™ LED Lighting is Cool.** Proper thermal management of LED lights is crucial to maximizing lumen output and

product life. EvoLucia products utilize cutting-edge “heat sink” technology to draw heat away from the LED light array, keeping the lights at their optimum performance temperature.

**EvoLucia™ LED Lighting is Controlled.** EvoLucia products employ Sunovia’s proprietary, patent-pending **Aimed Optics™** technology, which provides the highest quality and most efficient illumination possible. Expertly designed optics and reflectors strategically direct the LED light exactly where it is needed, virtually eliminating glare, spill and light pollution.

## Benefits of EvoLucia® LED Lighting:

- High efficiency
- Use 2/3 less energy
- Durability
- No bulb replacement
- Low maintenance
- 50,000+ hour life
- Reduced carbon emissions
- LEED compliant
- Saves thousands of dollars in energy and maintenance costs
- Numerous applications
- Perfect for your ESPC program (EO13423 and EO13514 applicable)

## EvoLucia Provides LED Lighting Solutions for:

- Secure facilities
- Military installations
- Harbors and docks
- Roads and walkways
- Office buildings
- Warehouses
- Marine terminals
- Airports
- Distribution centers
- Remote sites and field stations
- Perimeter security
- Institutional security
- National monuments
- Flag poles and statues
- U.S. embassies and consulates

# EvoLucia Aimed Optics™ and Fitted Target Efficacy (FTE): Why FTE Matters

EvoLucia's proprietary Aimed Optics™ technology allows EvoLucia to produce light that has the highest "Fitted Target Efficacy" as defined by the U.S. Department of Energy. Fitted Target Efficacy is the best possible measurement of product performance because it measures how well the light is being utilized and how much is being wasted. Because EvoLucia Aimed Optics™ technology is so efficient and our Fitted Target Efficacies are so exceptional, our fixtures require less energy and lower input wattages to produce the desired light levels.

Before you select an LED lighting product, inquire about the product's FTE score. The DOE provides a FTE calculator on their Web site at [www1.eere.energy.gov/buildings/ssl/criteria\\_development.html](http://www1.eere.energy.gov/buildings/ssl/criteria_development.html).



*EvoLucia LED Cobra Head*



*EvoLucia Rugged Marine-Grade Utility Light shown in International Orange and Army Green*



*EvoLucia LP3 Light Pack*



*EvoLucia LED Cobra Heads at Camp Lejeune, North Carolina*



*EvoLucia Decorative Street Lights in Fairview, Texas*

*The products pictured are a small sampling of the EvoLucia collection. Additional products are available.*

## Success Story: EvoLucia LED Lighting at Camp Lejeune

Marines at Camp Lejeune, N.C. are seeing better at night, and cutting electricity usage by half, thanks to EvoLucia LED roadway lights. In October 2009, the military base began replacing nearly 1100 high-pressure sodium streetlights with 75- and 105-watt EvoLucia cobra head-style lights, reducing energy about 50% compared to the metal halide or high pressure sodium lights. This allows the base to enjoy incredible reductions in both electrical costs and carbon emissions. Further, the EvoLucia LED cobra heads are completely maintenance-free and require no bulb replacement for up to 12 years, dramatically reducing maintenance costs. EvoLucia Aimed Optics™ technology precisely focuses the light on the roads, increasing safety and visibility.

## Success Story: EvoLucia LED Lighting in Fairview, Texas

In April 2009, the town of Fairview, Texas began installing EvoLucia LED lights along its new Fairview Parkway. According to Mayor Sim Israeloff, Fairview taxpayers will benefit from \$250,000 the city will save due to lower energy and maintenance costs over the anticipated lifetime of the LED lights. Switching to EvoLucia LED lights will reduce the town's carbon emissions by approximately 1,000 pounds per year, as compared with the high-intensity discharge fixtures initially planned for the roadway. The installation, called "the best LED lighting job I've seen," by Karl A. Burkett, P.E., former Senior Lighting Design Engineer for the Texas Department of Transportation, meets or exceeds all national roadway lighting illumination standards. EvoLucia Aimed Optics™ technology provides an incredibly even illumination of the street, eliminating dark spots and unwanted light pollution.

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