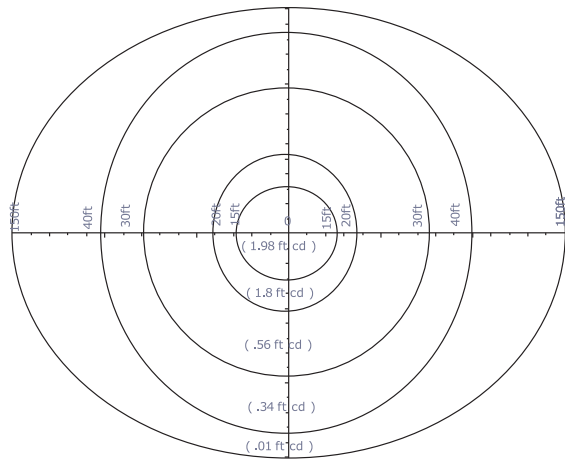




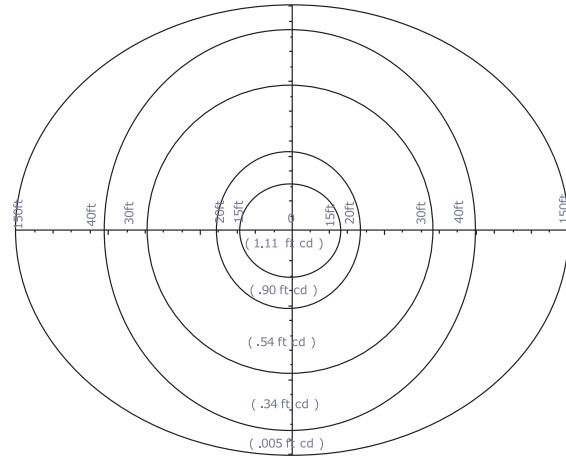
# EnergyLite

LED Lighting Innovator

Shown below: 44 w LED Area Light vs 100 w HPS Light Fixture

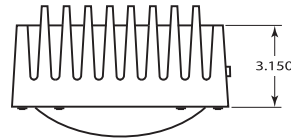
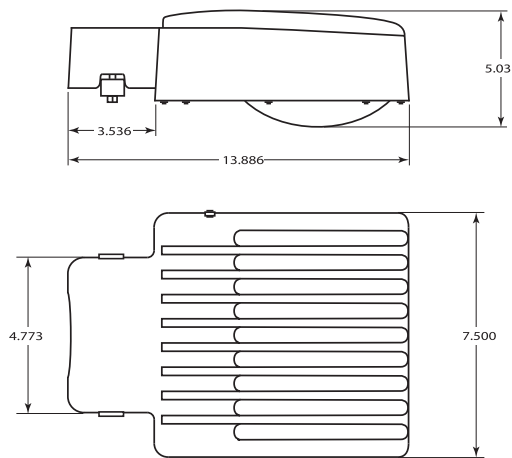


44W LED Area Light



100W HPS (135 watt total)

## EnergyLite LED Area Light



# LED LIGHTING



Innovative LED Lighting That Delivers Quality and Savings





# Our Innovations Deliver Superior Quality and Savings

## LED SECURITY LIGHT Exterior Lighting ...the needs and challenges

Due to a growing number of educational, medical and other institutional and commercial organizations using their facilities at night, the need for effective lighting is essential. The right lighting provides security, accentuates building entrances and signage and also provides an appealing outdoor environment. The entire illumination system must withstand severe weather conditions; meet safety concerns and lighting quality standards all in the most cost effective way possible.

### The Smarter Solution

EnergyLite, true innovators in the LED industry have developed best-in-class LED Area Lights that replace High Intensity Discharge ( HID ) technology, such as metal halide (MH) and high pressure sodium (HPS) light sources, with **significant benefits**.

A key factor to note is that Federal legislation is also driving the change to replace lower efficacy fixtures such as 175W Mercury Vapor fixtures.

### Advantages of Upgrading to LED Area Lighting:

- **Substantial energy savings**
- **Reductions in maintenance costs**
- **Better light quality**
- **Longer operating life**
- **More uniform light distribution**



## Prime Opportunities to Upgrade to LED Fixtures

### New Construction

This yields the best ROI scenario as there is no HID fixture procurement cost and labor install costs per LED fixture are equivalent to HID fixtures.

### Maintenance

Existing fixtures have higher failure rates and when bucket trucks are dispatched to repair failed fixtures, this situation allows easy replacement with EnergyLite's LED fixtures. Resulting in avoidance of costs for new lamps and ballasts.

### Program to Retrofit All Fixtures

Economics are very favorable in implementing a large scale project to upgrade all fixtures to EnergyLite's LED Area fixtures. A large scale replacement also reduces total system demand on the grid.

### Best in Class Engineering and Design

Our LED Area lights are designed, engineered and manufactured right here in the USA, and we ensure environmental approval; Our LEDs are RoHS compliant, free of mercury, lead and substances of very high concern (SVHCs). Thermal management is an often overlooked LED design consideration. However, our fixtures are designed to avoid the costly consequences of heat on the LED chips. This includes reductions in light output, forward voltage (voltage drop across the LED) and life span. EnergyLite's engineers utilize optimal configurations of LEDs, optics and drivers; this combined with rigorous quality control and precision manufacturing make them a clear choice.

"It's the most complete product I've ever seen in terms of upgrade replacements. I've been to numerous trade shows and seen some very promising lights but they never made it to a production stage. EnergyLite has produced a viable solution for LED lighting"

Chief Operating Officer  
Electric Utility Cooperative

### Security Light Fixture Comparison of 100W High Pressure Sodium and EnergyLite LED Area Light

HID Technology	EnergyLite's LED Technology
Typically 138 Watts per fixture	44 Watts per fixture, A 67% Reduction in energy costs
4 Year Lamp Life	Up to 12 Year Life
High Maintenance Cost- Hundreds of Dollars to Repair	5 Year Warranty - Long life, very low maintenance costs
System has hazardous waste	RoHS Compliant
Potential for Light Pollution/Light Trespass	Dark Sky Compliant Minimizing Light Pollution/ Light Trespass
Uses Less Reliable Photocell	Uses Breakthrough Proprietary Dusk/Dawn Technology to Maximize Reliability

### Summary- Area Light Economic Analysis Per Fixture Data-100W HPS vs. 44W LED

Annual Light Energy Savings	\$36.44
Annual Maintenance Savings	\$42.60
<b>Total Savings</b>	<b>\$79.04</b>

\* At \$0.10 kWh Rate

Our customers achieve up to **67%** reduced energy consumption

