

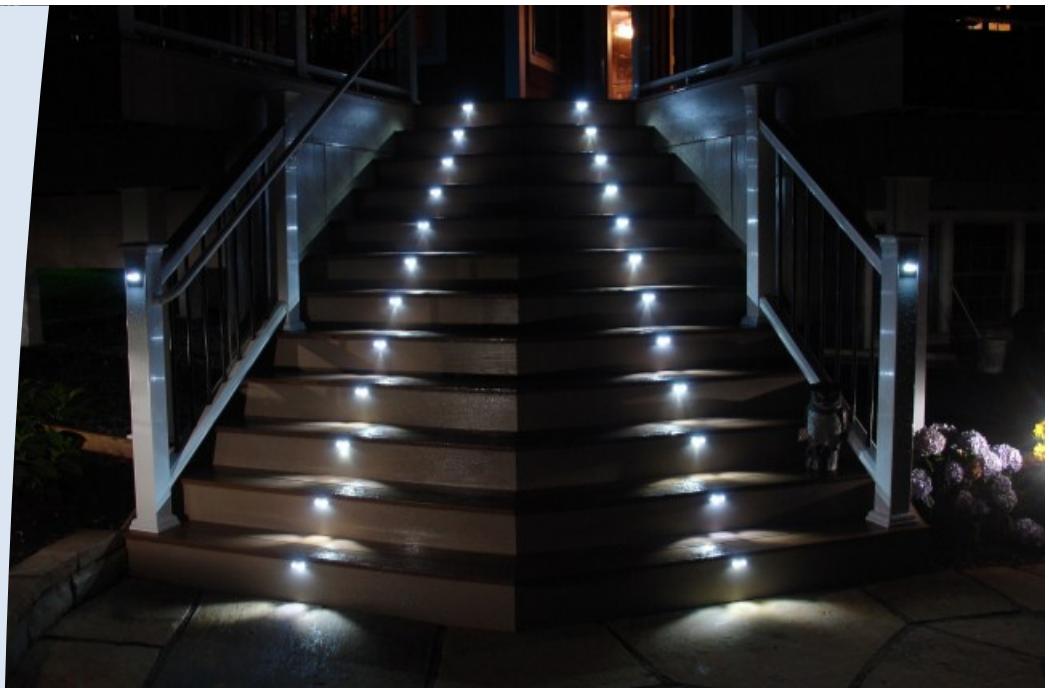


LED LIGHTING BUYERS GUIDE

- * Points to Consider When Purchasing Outdoor Lighting
- * Stair Safety & IRC Standards
- * Hidden Costs of Outdoor Lighting
- * Key Landscape Design Principles
- * Light Bulb Comparison
- * Key Features & Benefits of LED Lighting

POINTS TO CONSIDER WHEN PURCHASING OUTDOOR LIGHTING

1. Plan for long-term function. i-lighting's unique waterproof wiring minimizes failure and keeps lights functioning properly year after year.



2. Account for energy costs. An LED system uses 90% less energy than incandescent lamps saving \$100's a year in energy costs.

3. Plan for consistent voltage. With i-lighting's low voltage, DC power supply, line voltage drop is not a concern.

4. Consider bulb replacement costs.

5. Allow the option of adding additional lights in the future. The lower wattage requirements of LEDs provide the flexibility to add additional fixtures and ultimately achieve optional lighting.

STAIR SAFETY & CODE REQUIREMENTS

- ⇒ Over **1 MILLION** accidents resulting in injury per year on stairs.
- ⇒ Not surprising, this makes stair accidents the **SECOND LEADING CAUSE** of unintended injury, second only to car accidents.
- ⇒ There are **12,000** stair deaths per year, half of which occur in the home.

*Statistics from the National Safety Council.

According to the current International Residential Code (IRC) standards,

“All interior and exterior stairways shall be provided with a means to illuminate the stairs, including the landings and treads.”

Reliable & affordable stair lighting from i-Lighting provides safety and security while meeting IRC requirements.



HIDDEN COSTS OF OUTDOOR LIGHTING

Save over 80% on energy costs and 60% on total lifetime cost with i-Lighting's LED systems. Consider these savings compared to traditional lighting systems.

Typical 7 Watt Incandescent Stair Light	Total Lifetime Cost*	i-lighting Total LED Lifetime Cost
5 Stair Lights	\$585	\$1.56
10 Stair Lights	\$1,170	\$3.12
20 Stair Lights	\$2,340	\$6.25

Typical 10 Watt Halogen Post Light	Total Lifetime Cost*	i-lighting Total LED Lifetime Cost
5 Post Lights	\$610	\$1.56
10 Post Lights	\$1,220	\$3.12
20 Post Lights	\$2,440	\$6.25

Typical 20 Watt Halogen Path Light	Total Lifetime Cost*	i-lighting Total LED Lifetime Cost
5 Path Lights	\$860	\$25.00
10 Path Lights	\$1,720	\$50.00
20 Path Lights	\$3,440	\$100.00

* Lifetime cost comparison over 50,000 hours of use.



KEY LANDSCAPE DESIGN PRINCIPLES

1. Be cohesive. Create the same overall effect throughout the landscape.

2. Create depth.

Illuminate areas near and far from the property to for a 3D effect.

3. Accentuate focal points. Highlight focal points such as entry ways and stationary pieces.

4. Explore perspective.

Review each angle of the property. Lighting many look good from one perspective but not from another.

5. Show balance and symmetry. Lighting should be proportional across the various areas of the property.

6. Control quality and direction. Select fixtures that set a desired aesthetic and direct the light appropriately.

KEY FEATURES & BENEFITS OF LED LIGHTING

The lifetime cost of the LED lighting system **SAVES YOU \$1,000's** in energy costs.

Residential LED's **USE 75% LESS ENERGY** and **LAST 25 TIMES LONGER** than incandescent lighting.

The LED lighting design **DOES NOT CREATE HEAT** making them safe for both children and pets while attracting less insects.

i-Lighting's LED bulbs are **GUARANTEED FOR LIFE** so you will never have to buy replacement bulbs again.

LIGHT BULB COMPARISON

i-lighting's lighting system operates on LEDs, a highly energy efficient lighting technology. Residential LEDs use at least 75% less energy, and last 25 times longer than incandescent lighting.

Energy Efficiency	Incandescent	Halogen	LEDs
Average Life Span	1,200 hours	2,000 hours	50,000 hours
Kilo-watts of Electricity Used*	1095 KWh / yr.	1095 KWh / yr.	54.75 KWh / yr.
Annual Operating Cost*	\$109.53 / yr.	\$109.53 / yr.	\$5.47 / yr.
Light Bulbs Needed Over the Lifetime of System**	42 bulbs	25 bulbs	1 bulb
Carbon Dioxide Emissions*	1500 lbs. / yr.	1051 lbs. / yr.	75 lbs. / yr.
Sensitivity to Low Temps	Some	Some	None
Sensitivity to Humidity	Some	Some	No
Durable	No	No	Yes
Heat Emitted	85 btu's / hour	85 btu's / hour	3.4 btu's / hour
Failure Modes	Some	Some	Not Typical

* Statistics based on the equivalent of thirty 20 Watt incandescent/halogen light bulbs.

** Based on 50,000 hours.

CONTACT US

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