



TECTONIC LED CORP.

ISO 9001:2000 Products RoHS Compliance

1 compact fluorescent lamp (CFL) = 1 mg Hg
Improper Disposal leads to the water we use.
At present rates of disposal, Lake Geneva
will be contaminated within 8 years.

Why would consumer
purchase toxic waste?
and end up paying A LOT
more money for electricity?



Contamination of 5,300 liters (1,400 Gallons) of drinking water!!

Tectonic LED, Smart Engineering, it's Everywhere.

Ever since we introduced high power LED lighting to consumers and businesses we've seen products enter the market that are cheaply made at best and dangerous at worst. When developing the SX™ we concentrated on making a product that not only will perform for a decade or longer but will do so safely in your home or business.

Every single component of the SX™ Spotlight was considered during its development. Its fin-buckle aluminum alloy heat sink is the perfect shape for optimal heat dissipation allowing the SX™ spotlight to remain warm to the touch even after running for days. The PC high density plastic base that houses the SX™ control circuitry is made of flame retardant plastic, and other Tectonic globe spotlight (Example: the Phantom Series) globe that covers the LED emitter is virtually unbreakable. The SX™ contains no hazardous substances, is fully RoHS compliant and UL listed.

SX™ LED Spotlight

We tested the SX™ in extreme conditions: in frigid -50 degree frost all the way up to scorching 180 degree heat. We even used the SX™ in a steamy room with 95% humidity. The results were clear, even under extreme stress the SX™ performs.

Simply Greener than CFLs, High pressure sodium, metal halide, high pressure mercury & all other lighting products.

Like all our products, the SX™ is simply in another league when it comes to safety and environmental friendliness. While governments around the world along with consumers wake up to the dangers of CFLs, LEDs now offer a true alternative. It's not just marketing either, just one CFL improperly disposed can cause lasting damage to the environment affecting drinking water and food sources we all use.

CFL Mercury Risks (Mercury, Lead & halogen environmental pollution)

Mercury is only half of the problem with CFLs. If you've ever used one, you know their light is less than ideal. Flickering, drab color, long start up times in cold weather, these are just some of the many reasons consumers are quickly finding CFLs are not a long term solution.

Unmatched Performance, Incomparable Value.

Item:	Incandescent 150W	SX™ 12W
Electricity:	\$438.00	\$20
Replacement:	\$147.50 (30 Bulbs)	\$0

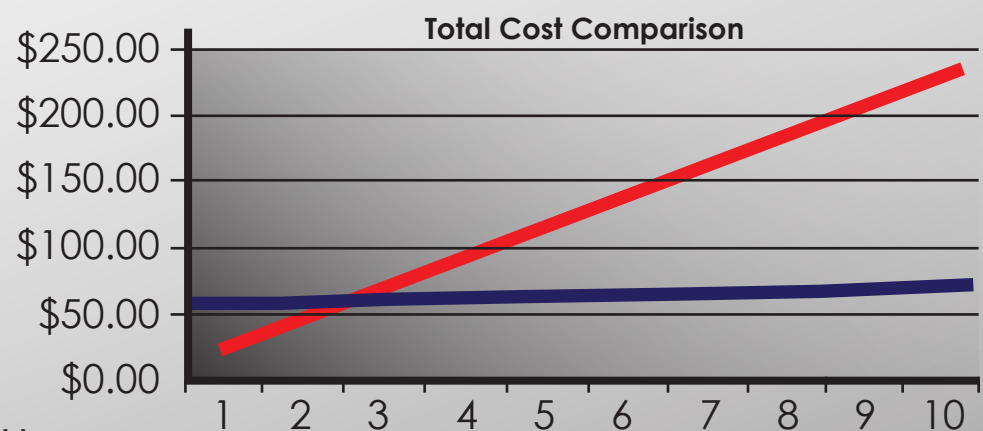
SX™ offers the best price/performance ratio in the industry. Very simply you will not find another LED lighting product that offers the same combination of performance and value as Tectonic SX™. Here is a small example of how much you could save by switching just one incandescent to a SX™:

Costs Over 10 Years

All figures calculated at 8 Hours Per Day and \$.10 per kWh



SX LED Spotlight Cost Comparison



LED lighting pays for itself in a little under 2 years at \$.10 per kWh

Tectonic SX™ 12W High Power Spotlight saves you over \$33 per light fixture per year and pays for itself in just a little under 2 years! That's just by replacing one light and that doesn't even count other important considerations such as cooling costs and costs associated with purchasing the over 30 incandescent light bulbs needed over that 10 year period. Just think of how large your savings would be by replacing all of your lighting with high efficiency TECTONIC LED SX Spotlight and other lighting products.

Making the switch to LED is now easier than ever thanks to the SX™. In addition to its great level of value, we offer a comprehensive 5 year warranty and total support for your lighting project.

Cost to run for one year* – \$3.70

Calculated assuming 8 Hours a day operation, 365 Days a Year with \$.10 kWh Electricity Cost.

LED Basics and Background

A light-emitting diode (LED) is a semiconductor chip that emits light when conducting current. LED's are very versatile due to their ability to emit nearly all spectrums of light. This has led to their nearly universal adoption as a light source for a wide range of applications from: status indicator lights, to traffic signals, to today's advanced direct replacement LED light sources.

Modern LED's are as versatile as they are diverse in their forms

Although, LED's that produce a practical spectrum of visible light have been under constant development since the 1960's, only recently have LED's that can produce acceptable levels of illumination - for a primary lighting source in a home or business - seen mass production. The pace of innovation in the field of LED illumination, also referred to as Solid State Lighting (SSL), is currently progressing at an amazing pace. The latest bulbs available from TECTONIC LED did not even exist one year ago!

Benefits of TECTONIC LEDs

Long Life

All TECTONIC LEDs are rated to have a 50,000+ hour lifespan, in this same amount of time you will buy over 50 regular incandescent bulbs or 5 compact florescent bulbs!

50,000 Hours of Light: 50 Incandescent Light Bulbs or 1 TECTONIC LED Lighting product.

Efficiency

Even our most powerful replacement spotlight (SX™) uses only 12 watts of electricity, yet it performs on par with a 150 watt incandescent bulb and is due to the extremely efficient nature of TECTONIC LEDs. Traditional incandescent bulbs waste 98% of their energy producing wasted heat. TECTONIC LEDs on the other hand produce very little heat in order to maintain brilliant light saving and even assist in cooling costs.

When you look at the costs to run traditional incandescent bulbs they simply don't make sense:

One - 150 Watt bulb costs approximately \$64.5 dollars to run per year at 12 hours per day. But don't forget that since an incandescent bulb only lasts 1000 hours, chances are you would have bought at least 4 replacement bulbs over the course of the year, bringing your total cost for just one light fixture to \$75.

Compare this to...

One - 12 Watt TECTONIC's SX™ costs approximately \$4.30 to run per year at 12 hours per day. Since it was on for approximately 4000 hours it still has nearly 10 years of life! Even throughout its entire 11 year life an SX™ will cost approximately \$120 while a traditional fixture using an incandescent bulb will cost nearly \$650!

As you can see, replacing the majority of the lighting in your home or business with TECTONIC LEDs can really add up in terms of real money saved.

Durability

TECTONIC LEDs have no filament or tube to break thus they are very durable. Even if you happen to drop or mishandle one, you will not be left with a mess of broken or shattered glass.

Traditional incandescent bulbs can become a hazard when broken

Environmentally Friendly by Design

TECTONIC LEDs are the most environmentally friendly light source other than pure sunlight. First, there are no hazardous substances used inside TECTONIC LED products. All of our products are RoHS compliant (a strict new standard reducing hazardous substances). You've probably heard a lot about Compact Florescent Bulbs or CFL. These have been touted as a solution to the inefficiencies of incandescent yet they are all made with mercury, thus they are hardly an environmentally sound solution after all.

Second, TECTONIC LEDs are part of the solution to the energy crisis we are all facing. TECTONIC LEDs use less power up front and generate less heat when used. Replacing all of your lighting with TECTONIC LEDs will suddenly make your home or building an environmentally friendly structure.

Finally, with the long life you will achieve from your TECTONIC LED bulb, you will save on the disposal of approximately 50 incandescent bulbs and 5 mercury tainted, compact fluorescent bulbs thus cleaning up our landfills and ultimately saving our environment from waste.

Pure Light

TECTONIC LEDs are available in white and warm light color temperatures for the utmost in flexibility. No matter which temperature you choose, you will always get pure, clear light that makes reading or viewing objects easier on the eyes. Tired of annoying flickering and headaches caused by compact fluorescent bulbs? Say hello to TECTONIC LEDs and their consistent visibility.