



***Profoundly Changing the World with
the LED Light Bulb***



History

American, Peter Cooper Hewitt (1861-1921)
patented (U.S. patent 889,692)
the **first mercury vapor (fluorescent) lamp in 1901** ...
the very first prototype of today's modern fluorescent light.

A fluorescent light is a type of electric lamp that
excites **mercury vapor to create luminescence.**



The Future ... Now!

LED Light Bulb Benefits

- **Save money** on electricity, lower carbon emissions and the cost of maintenance. (In most cases financial incentives are now available).
- If the US converted to LED lighting ... We could **close many large power plants**.
- **Improved Lighting Quality: Warm white, to the natural color of daylight** which produces a more pleasing lighting environment.
- **Use less watts of electricity** (1/3rd to 1/30th of Incandescent or CFL)
- Long lasting - **50,000 hour bulbs, over 5 years** with 24/7 use.
- **Cool running** (to the touch) – very little heat compared to standard bulbs.
- **Instant on/off** and LED light bulb **works in cold or hot**.
- **No hazardous Mercury waste** (fluorescents disposal now costs \$1.50 each, ballasts are more: The future cost is rising).
- LED lighting can **sustain moderate power surges w/ no ballast to fault**.
- **Durable LED bulbs** have no fragile filaments to break from shaking and rattling
- Directional lighting generates MORE **light right where you want it**.



LED Energy Efficiency

Here's how LED light bulbs compare to ordinary bulbs: A regular bulb burns through a lot more energy than it needs because a large percentage of the energy is wasted as heat - not so great for conserving electricity and saving money. LED light bulbs, on the other hand, generate very little heat as they glow, transferring most of their energy directly into light.

The new generation of LED lights produce about the same amount of light per watt as compact fluorescent bulbs (CFL). However, unlike LED bulbs, other lighting, including fluorescent tubes and CFL's, splash light in all directions, even up & out, causing waste, or in some cases light pollution. LED bulbs are unidirectional. They drive their light in one direction, so that you have light is focused where you want it. This unidirectional lighting equals savings because LED's can use much less wattage than their counterpart's) in identical applications & still produce the same or better lumens.

The Color of Light - LED light bulbs bring a cleaner, white light into any room. The warm white LED or the daylight LED's are much closer to the color of natural light. The cleaner, white light of LED's is easier on your eyes and also provides the added benefit of lifting your mood on the overcast summer days and helps relieve (SAD) in the winter time. The cleaner, more natural LED lights can blend in wonderfully with CFL's, fluorescents or other ordinary lights around your home or workplace.



Why Now

- **Greater Energy Savings** – Quantifiable, large percentage of savings in energy costs immediately on installation.
- **No Maintenance Costs** – With 50,000 hours for each LED tube, there is no costly replacement for light tubes and ballasts, for years.
- **Better Lighting** – Because LED lighting is unidirectional, a brighter, more focused light is produced and is directed where you want it ... without the strobe effect & lower quality wash of light produced by conventional fluorescent lighting.
- **The Time for GREEN is NOW** – Fluorescent light tubes use mercury. Mercury requires special disposal. Our LED light bulbs are Earth Friendly.



Available Rebates & Incentives

- **From your Electrical Utility Company**– Many local power utilities provide significant rebates on the cost of installing energy-efficient lighting. (Some utilities offer seed \$\$ per LED lamp, or fixture changed. Ask yours!)
- **From the State Government** – All States have their own rebate program. (see www.greencoastliving.com for more details on yours)
- **From the Federal Government** – Green House and PATH rebate programs provide as much as 35% rebate on energy efficient lighting products. See www.greencoastliving.com for more Federal Government incentives.



What's Next... It's as easy as:

- ONE: **Call** us for an energy audit.
- TWO: **Ask** for a "one source" quote.
- THREE: **Delivery** on time, with or without installation.

www.greencoastliving.com

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