

CFLs come in a variety of styles

CFLs are available in a variety of styles and shapes. Some have two, four, or six tubes. In general, the size or total surface area of the tube determines how much light the bulb produces.

The following CFL bulb models come with standard sockets for easy installation in most common household applications.

Spiral lamps are designed as a continuous tube in a spiral shape which has similar outside shape and light casting qualities as a standard incandescent bulb.

Triple tube lamps have more tubing in a smaller area, which generates even more light in a shorter bulb.

Standard lamps are spiral lamps with a dome cover. They are designed to give the appearance of the traditional light bulb for consumers looking for the more familiar light bulb appearance.

Globe lamps are commonly used in bathroom vanity mirrors or open hanging lamps, and bare bulb applications.

Flood lamps are designed to be ideal for recessed and track lighting fixtures, indoors and outdoors.

Candelabra lamps are torpedo-shaped and the small-base of this bulb is designed for use in chandeliers or wall sconces.



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Updating
lights

A **bright** idea

About CFLs

The electricity used over the lifetime of a single incandescent bulb costs 5 to 10 times the original purchase price of the bulb itself.

Compact Fluorescent Lights (CFLs) have revolutionized energy-efficient lighting.

CFLs are simply miniature versions of full-sized fluorescents. They screw into standard lamp sockets, and give off light that

looks just like the common incandescent bulbs - not like the fluorescent lighting we associate with factories and schools.

Did you know ...

Electric lighting burns up to 25% of the average home energy budget.

CFLs have changed with time



Newer CFLs give a warm, inviting light instead of the "cool white" light of older fluorescents. They use rare earth phosphors for excellent color and warmth. New electronically ballasted CFLs don't flicker or hum.

Use CFLs almost anywhere

CFLs can be applied nearly anywhere incandescent lights are used. Energy-efficient CFLs can be used in recessed fixtures, table lamps, track lighting, ceiling fixtures, ceiling fans and porchlights. 3-way CFLs are available for lamps with 3-way settings. Dimmable CFLs are available for lights using a dimmer switch.

Comparing bulbs

Match lumens to the incandescent bulbs being replaced. Lumens indicate the amount of light being generated. (Watts is a measure of energy use, not light strength.) To compare lumens and watts see chart below:

Incandescent Watts	CFL Watts	Lumen range
 40	 8	450
60	13	890
75	18	1210
100	23	1750
150	34	2780

Save handling of CFLs

The mercury in compact fluorescent bulbs poses no threat while in the bulb, but if you break one be careful not to inhale the mercury - immediately use a wet rag to clean it up and put all of the pieces, and the rag, into a plastic bag.

Although household CFL bulbs may legally be disposed of with regular trash (in the US), they are categorized as household hazardous waste. As long as the waste is sent to a modern municipal landfill, the hazard to the environment is limited. However, CFLs should not be sent to an incinerator, which would disperse the mercury into the atmosphere.

The best solution is to save spent CFLs for a community household hazardous waste collection, which would then send the bulbs to facilities capable of treating, recovering or recycling them. For more information on CFL disposal or recycling, you can contact Central Rural Electric Cooperative.

CFLs are very efficient

CFLs are four times more efficient and last up to 10 times longer than incandescents. A 22 watt CFL has about the same light output as a 100 watt incandescent. CFLs use 50 - 80% less energy than incandescents.

CFLs are less expensive

Less Expensive: Although initially more expensive, you save money in the long run because CFLs use 1/3 the electricity and

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last up to 10 times as long as incandescents. A single 18 watt CFL used in place of a 75 watt incandescent will save about 570 kWhs over its lifetime. At 8 cents per kWh, that equates to a \$45 savings, for replacing just one light.

Replacing incandescent bulbs reduces air and water pollution

Replacing a single incandescent bulb with a CFL will keep a half-ton of CO₂ out of the atmosphere over the life of the bulb. If everyone in the United States used energy-efficient lighting, we could retire 90 average size power plants. Saving electricity reduces CO₂ emissions, sulfur oxide and high-level nuclear waste.