

THINGS TO REMEMBER WHEN RE-LIGHTING

- CFLs last 8 to 10 times longer than incandescent bulbs.
- CFLs use a quarter of the electricity of incandescent bulbs.
- CFLs are usually cost effective when the fixture is on more than two hours per day.
- CFLs come in many different styles to meet the needs of each fixture.
- CFLs give off a cooler light – they don't look as warm as an incandescent bulb.
- Specialty CFLs can be used with dimmer switches in three-way sockets.
- Conduct a lighting audit to see which fixtures should have CFLs installed in them.
- Find the CFL that best meets your lighting output for the area.
- Some CFLs will start slower and begin dimmer when you turn them on in cold weather.

Consult the following chart to determine what CFL wattage is best to replace your incandescent light bulb.

Incandescent Light Bulbs	Minimum Light Output	Energy Star-Rated CFLs
40	450	9-13
60	800	13-15
75	1100	18-25
100	1600	23-30
150	2600	30-52
Watts	Lumens	Watts

For more information

The American Council for an Energy-Efficient Economy www.aceee.org

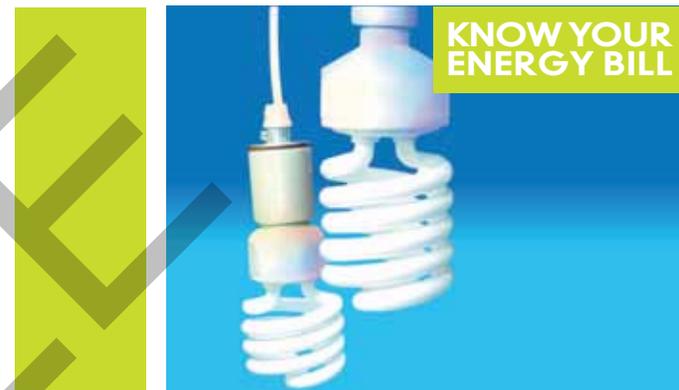
The U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy www.eere.energy.gov

Energy Star, a joint program of the U.S. Department of Energy and the U.S. Environmental Protection Agency www.energystar.gov

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LIGHTING YOUR HOME

How many light fixtures are in your home? Count the bulbs in the chandelier above your dining room table. Add the lights on the front porch and on the back patio. How many do you have? 30? 40? More?

We love our lights. These days, homes come equipped with recessed lighting, rail lighting, multiple socket fixtures – and several outside lamps. Unfortunately, most use incandescent bulbs, which are cheap to purchase but costly to run.

An alternative is the compact fluorescent lamp, or CFL. Always energy efficient, CFLs have come down in price in recent years, and they're available for a range of light fixtures. Simply put, they give you more light for less money.

BASIC FACTS

CFLs create more light with less electricity.

FINDING THE RIGHT CFL

Incandescent bulbs use 1 watt of electricity to create 15 lumens of light. A CFL uses 1 watt of electricity to create between 50 and 100 lumens of light. This means CFLs are 4 to 5 times more efficient than traditional incandescent bulbs.

Because CFLs don't need to heat a filament, they can last up to 10,000 hours. That's up to 10 times longer than an incandescent bulb. Imagine a bulb that puts out 4 to 5 times more light per watt for a quarter of the electricity and that can last up to 10 times longer. What's the catch?

You pay more for them — but only at first. CFLs may cost 6 to 10 times more than incandescent bulbs. A CFL can cost between \$3 and \$10. An incandescent bulb can cost between \$0.35 and \$1.00.

But in the long run they save you money because they last so much longer and use so much less electricity than incandescent bulbs.

You will also notice a slight color change in a room when you install CFLs. Incandescent bulbs typically have a warm yellow glow, while CFLs emit a cooler light. That is because of the difference in the warmth of the visible light. That warmth is measured in Kelvins (K) and is called the correlated color temperature (CCT). The higher the correlated color temperature rating is for a light, the cooler the light appears. CFLs also brighten a few minutes after you turn them on.

These are small things you will adjust to over time. Neither affects your ability to see with a CFL bulb. And remember: every time you turn on the light you are saving money.

DISPOSAL

Your CFLs will last a long time – up to 10,000 hours of use. But eventually, they will burn out. When they do, look for a local recycling center that can dispose of them.

You can either call the solid waste agency in your city, or look online for local CFL recycling.

www.epa.gov/bulbrecycling



HOW MUCH MONEY WILL I SAVE?

To predict how much money you can save, you need to know a few things:

1. What wattage of incandescent bulb are you currently using? _____

minus (-)

2. What wattage of CFL would you use? _____

multiply (x)

3. How many of your incandescent bulbs can be replaced with CFLs? _____

multiply (x)

4. How many hours a day do you use light? _____

5. multiply (x) 365 days per year _____

6. divided by (÷) 1,000 watts
This is the number of kilowatts you will save each year _____

7. Find Your Savings multiply (x)
your answer in step 6 by the amount you pay for each kilowatt-hour — the figure is on your electric bill. The result is how much you will save each year simply by changing your light bulbs. _____