

ENERGY STAR®?

helps protect the environment by reducing air pollution and global warming associated with energy production.

In addition to lighting, more than 30 product categories, including appliances, home office equipment, heating and cooling equipment, and consumer electronics, feature the ENERGY STAR label. And the list of products continues to grow, making it easier to save money and make a difference at the same time.

LABELLED LIGHTING

COMPACT FLUORESCENT LIGHT BULBS

ENERGY STAR labeled CFLs produce the same bright light as incandescent bulbs, but use up to 75 percent less energy. And CFLs last up to 10 times longer than incandescent bulbs. That means you only have to change your light bulb about once every five years.

CEILING FANS

ENERGY STAR labeled ceiling fans offer the built-in convenience and efficiency of compact fluorescent lighting, which reduces the heat output and energy consumption for fan lighting by 60 to 80 percent. They operate 40 percent more efficiently than conventional fans, resulting in 180 kWh or about \$15 per year in electric savings.

For more information, visit www.energystar.gov, or call 1-888-STAR-YES (1-888-782-7937).



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lighting



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WHAT IS ENERGY STAR?

ENERGY STAR is a label that identifies energy-efficient products, such as light fixtures and bulbs, that meet guidelines set by the US Environmental Protection Agency (EPA) and the US Department of Energy (DOE).

ENERGY STAR labeled products help customers save energy and money without sacrificing performance — one solution to energy supply and cost concerns. ENERGY STAR also

ENERGY STAR LABELLED LIGHTING

ENERGY STAR labeled light bulbs, fixtures, and ceiling fans meet strict energy-efficiency criteria without sacrificing performance. They are designed to fit the style of your home or office.

FIXTURES

The ENERGY STAR label is awarded to both hard-wired and portable fixtures, including table lamps, torchieres, suspended fixtures, ceiling and close-to-ceiling fixtures, sconces, outdoor fixtures, and cabinet, recessed, security, cove, and architectural lighting. ENERGY STAR labeled fixtures generally use compact fluorescent light bulbs (CFLs).

To locate a store near you that carries ENERGY STAR labeled lighting, use our store locator at www.energystar.gov/consumer. You can even calculate your savings by using the simple savings calculator. Just select "find products," click on "lighting," and choose the item you are interested in.



VERSION: 16

DATE: 10-4-2001

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lighting brochure

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SAVE ENERGY, SAVE MONEY

When you save energy with ENERGY STAR labeled lighting, you'll also save money on utility bills. A typical household spends about \$90 per year, or 10–15 percent of its annual electric bill, on lighting—mostly due to inefficient fixtures and bulbs. On average, ENERGY STAR labeled fixtures cost less than half as much to operate compared with traditional models. And when you replace a standard incandescent bulb with an ENERGY STAR labeled CFL, you can save more than \$25 per bulb over its lifetime.* To maximize your savings, replace your most frequently used fixtures and bulbs with ENERGY STAR labeled products.**

HELP PROTECT THE ENVIRONMENT

Using energy-efficient lighting reduces the amount of fossil fuels burned to produce energy. This helps prevent air pollution. If every household in the United States replaced its next bulb or fixture with an ENERGY STAR labeled model, we would save more than 8 billion kWh of energy and the equivalent in air pollution of removing 1.2 million cars from the road.

To date, American consumers have purchased more than 630 million ENERGY STAR labeled products. Last year alone, ENERGY STAR helped us save enough energy at peak time to power ten million homes and reduce greenhouse gas emissions equivalent to those of ten million cars.

SAVE WITH ENERGY STAR LABELED LIGHT FIXTURES

With ENERGY STAR labeled fixtures, consumers can realize significant savings—a total savings of \$143*** in the example to the right that replaces an incandescent close-to-ceiling fixture with an ENERGY STAR labeled model.



CHANGE TO ENERGY STAR LABELED LIGHTING



Consider these benefits when purchasing ENERGY STAR labeled bulbs and fixtures:

Long Life — The CFLs used in ENERGY STAR labeled fixtures last anywhere from six to 10 times longer than standard incandescent light bulbs†. Under typical use, CFLs last up to five years. You'll save on utility bills and enjoy the convenience of less frequent bulb purchases and changes. This means they're perfect in fixtures that are hard to reach or used for long periods of time—such as ceiling fixtures, table lamps, and enclosed outdoor fixtures.

High Quality — ENERGY STAR labeled fixtures and bulbs give off the same amount of light as incandescent or halogen lighting, while providing a true and natural color without the flicker, hum, or buzz. In addition, CFL technology has advanced dramatically in recent years to produce light that is warm and inviting.

Safety and Reliability — ENERGY STAR labeled lighting follows National Fire Protection Association (NFPA) guidelines for fire safety. CFLs are cooler to the touch. In fact, compared to incandescent lighting, ENERGY STAR labeled lighting produces up to 90 percent less heat. All lighting models are tested and meet strict specifications for energy efficiency and quality. ENERGY STAR labeled lighting comes with a guarantee—a 2-year warranty on fixtures and a 1-year warranty on light bulbs.

Attractive Design and Convenience — ENERGY STAR labeled fixtures and bulbs combine attractive design with features created to make life easier and match the décor of your home. Convenient features include quick-start, no-hum indoor models, indoor models with dimming or switching capabilities, and automatic daylight shut-off and motion sensors on outdoor models.

Equal Light, Fewer Watts — ENERGY STAR qualified CFLs emit the same amount of light as standard bulbs but have lower wattage ratings because they use less energy. To save on energy costs, replace standard bulbs with CFLs. You can refer to the adjacent table to determine which CFL to purchase when replacing standard bulbs.

CFL (watts)	Incandescent Bulb (watts)	Typical Light Output (lumens)††
14	40	450 – 500
20	60	800 – 900
25	75	1,100 – 1,220
32	100	1,600 – 1,700
50	150	2,600 – 2,800

Incandescent Fixture (three 60w bulbs)	
Initial Investment (fixture costs)	\$42
Energy Costs	\$180
Bulb Replacement Cost	\$20
Total Cost	\$242

ENERGY STAR Labeled Fixture Replacement (three 13w CFLs)	
Initial Investment (fixture costs)	\$60
Energy Costs	\$39
Bulb Replacement Cost	\$0
Total Cost	\$99

* Based on a 25w CFL with a life of 6,000 hours and a 75w incandescent with a life of 1,000 hours at 8.5¢ per kWh, 7.5¢ per incandescent bulb.
 ** If you are replacing incandescent bulbs in the bathroom, make sure the CFLs you choose are rated for wet locations.
 *** Based on a fixture's CFL life of 10,000 hours and an incandescent bulb life of 1,000 hours at 8.5¢ per kWh, 7.5¢ per incandescent bulb.
 † Three 60w incandescent bulbs have comparable lamp light output to three 13w CFLs, although light output may vary from fixture to fixture.
 †† Based on a minimum CFL life of 6,000 hours versus a 1,000-hour life of an incandescent.
 ††† This table should serve as a guide. Always look for the lumen range you need, because you are likely to find a quality CFL with even lower wattage.



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