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## Change a Light, Change the World

### Make Your Next Light an Energy Star®

#### What is ENERGY STAR®?

ENERGY STAR® gives you energy-efficient choices on light fixtures, lamps and bulb that prevent greenhouse gas emissions meeting strict energy efficiency guidelines set by the US Environmental Protection Agency (EPA) and the US Department of Energy (DOE). The ENERGY STAR® program is an active partnership between consumers, manufacturers, retailers, and other industry partners united by a common goal: to help protect our environment for future generations by changing to more energy-efficient practices today. In addition to lighting, more than 35 product categories feature the ENERGY STAR® and the list of products continues to grow.

#### Why Change to ENERGY STAR® Qualified Lighting?

Changing the world starts with simple actions. When you replace a light in your home with one that has earned the ENERGY STAR®, you contribute to a cleaner environment while saving yourself energy, money, time buying and changing lights in your home. Consider the benefits of switching to ENERGY STAR® qualified lighting.

#### Lighting Facts

Did you know?

- If every household in the United States changed the lighting in one room of their home to ENERGY STAR®, or 5 lights in their home.
  - It would save more than 8000 billion kWh of energy and keep one trillion pounds of greenhouse gases out of our air [over the lifetime of the products].
  - The annual energy savings alone would be equivalent to the annual output of more than 21 power plants.
  - The annual energy savings could light more than 34 million US homes for one year.
- ENERGY STAR® qualified lighting provides more light while using 2/3 less energy than standard incandescent lighting.
- ENERGY STAR® qualified lighting products generate about 70% less heat than standard incandescent lighting, which means they are safe, cool to the touch, and help reduce household cooling costs in the summer. They also come in many shapes and sizes.

- One ENERGY STAR® qualified bulb can prevent more than 500 pounds of greenhouse gas emissions over its lifetime. This is equivalent of saving 145 pounds of coal from being burned to generate electricity.
- ENERGY STAR® qualified light fixtures generally use pin-based light bulbs to deliver hard-wired energy savings – replacement bulbs can easily be found at home improvement centers, hardware stores, lighting showrooms, and other major retail stores. They last 10,000 hours or about 7 years, saving time buying light bulbs and climbing ladders.
- Most Americans are used to looking for Watts on a lighting product to compare light output, but Watts actually only equal the amount of *energy* used and not the amount of *light*. When comparing standard light bulbs to ENERGY STAR® qualified bulbs, compare the light output, or lumens, and not the Watts. For example, when shopping for an equivalent to a standard 60-Watt bulb, you'll find on the package that the lumens will be around 800; look for an ENERGY STAR® qualified bulb that puts out 800 lumens or more to get the amount of light that you're looking for.
- ENERGY STAR® compact fluorescent bulbs will save at least \$25 over their lifetime in energy costs.
- ENERGY STAR® compact fluorescent bulb (CFLs) last 6-10 times longer than incandescent bulbs. Screw-in CFLs last at least 6,000 hours, or about 4-5 years.

### Cost of ENERGY STAR® Qualified Lighting:

ENERGY STAR® qualified lighting may cost more to purchase than conventional incandescent or halogen products, but the energy savings of 67% more than offsets this initial price difference.

### Selecting the Best Bulb

When selecting energy-efficient light bulbs, the important factor to consider is light output. With ENERGY STAR® qualified CFLs, you get the same amount of light but use fewer watts of energy. For example, if you are looking for a light bulb that gives off the amount of light as a 60-Watt incandescent bulb, look for an ENERGY STAR® qualified bulb that puts out 800 lumens or more.

<b>Incandescent</b>	<b>Typical Light Output (Min. Lumens)</b>
40 Watts	450 Lumens
60	800
75	1100
100	1600
150	2600

## Save with ENERGY STAR® Qualified Light Fixtures

<b>Expenditures</b>	<b>ENERGY STAR® Qualified Fixture Replacement (one pin-based 30w bulb)</b>	<b>Incandescent Fixtures (one 100w bulb)</b>
Initial Investments (fixture cost)	\$40	\$31
Energy Costs	\$26	\$87
Bulb Replacement Cost	\$0	\$7
<b>Total Cost</b>	<b>\$66</b>	<b>\$125</b>

With just one ENERGY STAR® qualified fixture, you can realize significant savings-the example above represents a total savings of \$58. It shows an incandescent ceiling mount fixture replaced with an ENERGY STAR® qualified model.

### ENERGY STAR® Facts

- The average household spends \$1400 each year on energy bills. By choosing ENERGY STAR® qualified products, consumers can cut this by up to 30 percent or more than \$400 each year.
- In addition to lighting, more than 35 products categories feature the ENERGY STAR® and the list of products continues to grow. Visit [www.energystar.gov](http://www.energystar.gov) or call 1-888-STAR-YES (1-888-782-7939) to learn more.
- For New York State information on Saving Energy, call 1-877-NY-SMART or to the website: [GetEnergySmart.org](http://GetEnergySmart.org).