

Empowering you to make
smart energy choices



Energy-Efficient Lighting for Your Home



Why Choose Energy-Efficient Lighting?

SWITCHING FROM TRADITIONAL INCANDESCENT LIGHTBULBS to light emitting diodes (LEDs) is an effective, easy change every American can make to reduce energy use at home, save money on energy bills and prevent greenhouse gas emissions that contribute to global climate change.

Lighting accounts for nearly 20% of the average home's electric bill. Compared to traditional incandescent bulbs, ENERGY STAR® certified LEDs use up to 90% less energy, last up to 25 years, and produce less heat, making them safer to operate while cutting energy costs associated with home cooling. You will spend more time enjoying a quick return on your investment and less time on the ladder changing bulbs. Better yet, if every home in America replaced just one incandescent lightbulb with an ENERGY STAR certified bulb, in one year we would save enough energy to light more than 2.6 million homes and prevent greenhouse gas emissions equivalent to those of more than 648,000 cars.

Choosing an LED that's Right for You

Once you make the smart choice to use energy-efficient lighting, you need to decide which bulb to buy. There is an energy-efficient bulb for nearly every application in your home. To make an informed decision, there are a number of things to think about such as location, lifetime, fixture, brightness and color.

Earning the ENERGY STAR means products meet strict energy efficiency guidelines set by the US Environmental Protection Agency. Lighting products that have earned the ENERGY STAR deliver exceptional features, while using less energy, and have a warranty.



ENERGY STAR® Certified Lighting Products

	Harp Shade	Clamp Shade	Pendant Fixture	Ceiling Fixture	Ceiling Fan	Wall Sconce	Recessed Can	Track Lighting	Outdoor Covered	Outdoor Exposed
For This Fixture										
Choose This Bulb										
Key										
	LED	A Line LED	A Line LED Filament Style	LED Candle	LED Flood	LED Outdoor Reflector/Flood	Directional LED			

NOTE: If your fixture is on a dimmer or three-way switch, you'll need to select a bulb that is designed to dim or for three way use. Using regular LEDs or CFLs on dimmers will cause premature product failure and may create a fire hazard.

ENERGY STAR certified lighting products come in a variety of colors and brightness to create the right mood, ambiance and atmosphere. Selecting the same bulb color and manufacturer is recommended to achieve consistent light color in a room.

KELVINS — Color of Light

Color temperature affects the appearance of home furnishings. The Kelvin scale measures the temperature of color in light.

Kelvin	2700K-3000K	3500K-4100K	5000K-6500K
Color	“Warm or Soft White” a warm glow	“Neutral or Cool White” a radiant, crisp glow	“Sunlight or Daylight” a vibrant glow
Impact	Cozy, inviting, relaxing mood	Clean, efficient, fast-paced ambiance	Alert, active, bright atmosphere
Usage	<ul style="list-style-type: none"> • Living room • Family room • Bedroom • Restaurants • Lobbies 	<ul style="list-style-type: none"> • Kitchen • Bathroom • Hobby room • Basement • Garage 	<ul style="list-style-type: none"> • Reading • Detail-oriented activities • Hospitals
Compares to	Standard incandescent bulbs	Halogen bulbs	Average daylight

LUMENS: THE NEW WAY TO SHOP FOR LIGHT

Choose Your Next Lightbulb for the Brightness You Want.

Lighting facts

Light Output (Lumens) 315
Watts 9.3
Lumens per Watt (Efficiency) 33
Color Rendering Index (CRI) 83
Light Color 2984 (Warm White)

~450 ~800 ~1100 ~1600
40 60 75 100
Traditional Incandescent Watts

For the greatest savings, choose ENERGY STAR® light bulbs.

U.S. DEPARTMENT OF ENERGY

LUMENS — Brightness of Light

Shopping by lumens is more important than shopping by watts when choosing which energy-efficient bulb to purchase. Watts measure the amount of energy required to light products, whereas lumens measure the amount of light produced. The more lumens in a lightbulb, the brighter the light.

Using the Lighting Facts Label

To help consumers better understand the switch from watts to lumens, the Federal Trade Commission requires a new product label for lightbulbs called the Lighting Facts label. It will help you buy a lightbulb to suit your needs. Like the nutrition label on food products, the Lighting Facts label helps consumers understand what they are really purchasing. The label clearly provides the brightness (lumens), color of the light (Kelvins), and estimated lifetime and annual operating costs.

Energy-Efficient Bulb Tips

- For greater savings, replace as many incandescent bulbs with LEDs as possible.
- Check the package to ensure that the LED bulb you choose is suitable for closed or poorly ventilated fixtures.
- If installing outdoors, check the package to ensure that the LED bulb you choose is rated for outdoor use.

Warm or Soft White

2,700–3,000 Kelvin

Neutral or Cool White

3,500–4,100 Kelvin

Sunlight or Daylight

5,000–6,500 Kelvin



More Efficient Technology with LEDs

LEDs look somewhat like traditional incandescent lightbulbs and are the latest in energy-efficient lighting technology. They are estimated to save up to 90% more energy than standard incandescent bulbs with a lifespan of up to 25,000 hours, or up to 25 years. While they are higher in cost than other bulbs, discounts are available through Energize Connecticut and prices are dropping as they become more commonplace.

Benefits of LEDs:

- Excellent quality color and brightness of light appears more like that of traditional incandescent bulbs.
- Longer lifetime.
- Light up immediately, even in cold weather.
- Do not contain mercury.
- Made of a durable plastic instead of glass.
- Produce less heat than traditional incandescent bulbs.

CFL Resources and Disposal Information

Connecticut residents can find state-specific information for hazardous waste collection, recycling, mercury content and basic information related to CFLs by visiting the Department of Energy and Environmental Protection (DEEP) website at www.ct.gov/deep or by calling 860-424-3000.

For the most up-to-date information on CFL disposal and clean-up, visit www.epa.gov/cflcleanup

Instant Savings Brought to You by Energize CT

You can find reduced pricing on LEDs at most Connecticut lighting retailers. For more information visit energizect.com/your-home/solutions-list/energy-star-lighting

For more information on energy-saving programs and services supported by Energize Connecticut, call 1-877-WISE-USE
Or visit: EnergizeCT.com



Empowering you to make smart energy choices

