

# SHINE BRIGHT, SAVE BIG

Is it time to update your home's lighting? Don't let the vast LED landscape overwhelm you. Here's an easy guide to making the right lighting choices for your family and home.



## How Do Incandescent Bulbs, CFLs, and LEDs Compare?

Bulb Type	Incandescent	CFL	LED
Lifecycle Cost*	\$201	\$38	\$48
Light Output (Lumens)	800	800	800
Lifetime (Hours)	750-1,000	8,000	25,000-50,000
Power Used (Watts)	60	13-18	8-12.5

\*Lifecycle costs are based on 25,000 hours of bulb use.

## How Bright Is Right?

In comparison to incandescent bulbs and CFLs, LEDs are measured by lumens, which tell you how bright a bulb is. Use this chart to determine which ENERGY STAR® certified bulb will provide the correct amount of light compared to your existing incandescent bulbs.

Minimum Light Output (Lumens)	Incandescent Bulbs (Watts)	CFL (Watts)	LEDs (Watts)
450	40	8-12	6-9
800	60	13-18	8-12.5
1,100	75	18-22	13-15
1,600	100	23-30	16-20
2,600	150	30-55	25-28

## Watt's the Deal?

More lumens = more light. For example, when replacing a 60-watt traditional incandescent bulb, look for a bulb that produces about 800 lumens.

## Color Is Key

Which light is right for your room? Light color is measured on the Kelvin (K) scale. Lower numbers mean light appears yellowish, and higher numbers mean the light is whiter or bluer.



## Look at the Label

What does it all mean? Here's a guide to understanding the label on your new LED.

Lighting Facts Per Bulb	
<b>Brightness</b>	800 Lumens
<b>Estimated Yearly Energy Cost</b>	\$1.69
Based on 3 hrs/day, 11¢ kWh. Cost depends on rates and use.	
<b>Life</b>	7 years
Based on 3 hrs/day	
<b>Light Appearance</b>	Warm ————— Cool
2700K	
<b>Energy Used</b>	14 Watts

- ENERGY STAR logo:** Indicates which LEDs meet ENERGY STAR requirements for efficiency, lifetime and quality.
- Life:** Estimates in years how long the bulb will last. Long-life bulbs save you the hassle of frequent bulb changes.
- Light appearance:** Tells you the shade of light. Incandescents produce warm white light between 2,700K and 3,000K. Bulbs that produce cooler or more bluish light will have a higher rating, usually 3,500K–6,500K.
- Energy used (Watts):** Measures bulb energy use, not brightness.

## It's Important to Be Choosy

Don't settle for a bulb that isn't right for your needs. Use this guide to choose the right LED bulb for your desired effect and device.

LEDs	Table/Floor Lamps	Pendant Fixtures	Ceiling Fixtures	Ceiling Fans	Wall Sconces	Recessed Cans	Track Lighting	Outdoor Covered	Outdoor Lighting
General Illumination									
Reflector									

