

# LIGHTING BUYER'S GUIDE

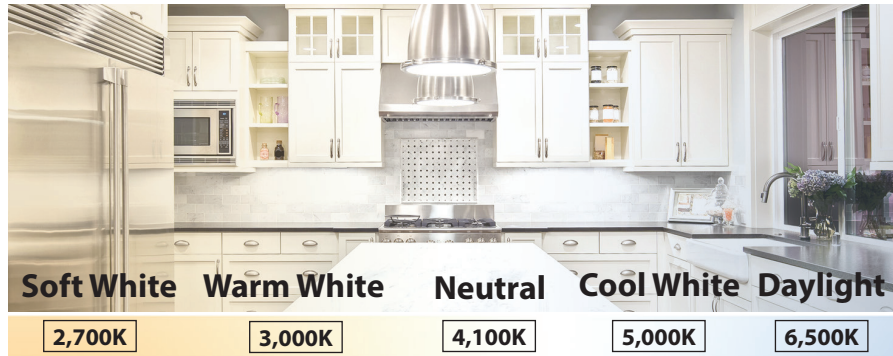
## Watt's the deal with LEDs?

LED bulbs use up to 90% less energy than incandescent bulbs and last up to 15 times longer. They also provide greater savings and better light quality than CFL bulbs and contain no mercury. By upgrading just six of your most-used bulbs, you can save up to \$90 per year in energy costs.



### Color

Choose the bulb that best fits your home. LED bulbs offer different color temperatures.



Color temperature describes the light appearance of a light bulb and is measured in Kelvin (K).

**Yellow Range: 2,700K to 3,500K** — ranges from orange to yellow-white in appearance. Cozy, inviting and warm. Good for bedrooms, living rooms and dens. Highlights rich colors like dark wood.

**Neutral Range: 3,500K to 4,100K** — emits a more neutral white light and may have a slightly blue tint. Clean, crisp and radiant. Good for kitchens, work spaces and bathrooms. Best for enhancing white or chrome features.

**Blue Range: 5,000K to 6,500K** — emits blue-white light that mimics daylight. Active and bright. Cool tones are ideal for detail-oriented activities and promoting alertness.

**It's a common misconception that watts (w) indicate brightness, when in fact watts measure electricity use. For bright and efficient lighting, look for bulbs with a high lumens number and low wattage.**

Lighting options typically range from 300 to 1,600 lumens. If you're swapping out incandescent bulbs for LEDs, use this guide as a rule of thumb:

Replace an Incandescent Bulb in Watts	with	An LED Bulb in Lumens
40 w		450 lm
60 w		800 lm
75 w		1100 lm
100 w		1600 lm

### Shape

A variety of shapes and sizes are available to match the design of your fixture.

**Flood:** Used in many areas such as perimeters of houses, decks, landscapes and patios.

**Globe:** Used in wall sconces, pendant fixtures, bathroom vanities and other specialty fixtures.

**Standard/A-line bulbs:** These bulbs work well for a variety of applications such as table or floor lamps, wall sconces, pendant and ceiling fixtures.

**Directional/BR30:** These bulbs emit light in a specific area and are best used in recessed cans, track lighting and ceiling fans.

**Candle/Torpedo:** These bulbs can be used in chandeliers, wall sconces, pendant lights, night lights, decorative light strands, holiday light strands and other decorative home lighting applications.



### What's In a Bulb Name?

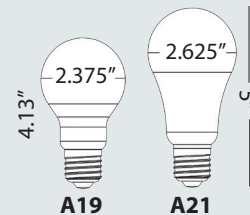
The letter in a bulb name, such as "A", indicates the shape of the bulb. While the number following the letter indicates the size of the bulb (diameter), in eighths of an inch.

For example:

**A19** = 19/8" or 2 3/8" (2.375")

**A21** = 21/8" or 2 5/8" (2.625")

In the case of same shape bulbs with different diameters, height also tends to be different. A19 bulbs measure 4.13" while A21 bulbs measure 5".



### Smart Home Compatible

Imagine the convenience of turning off all of your lights with the swipe of your finger. Smart lighting allows you to control your home's lighting from anywhere. Dim the lights, turn them on or off and create schedules — all from your connected device. Some smart lighting options let you pick from millions of colors to fit any occasion or mood and even sync with music and movies.

Choose bulbs with the **ENERGY STAR®** label. Those products have surpassed federal standards for energy efficiency and provide high-quality light output and color. For more information, go to [EnergyStar.gov](http://EnergyStar.gov).

