




LIGHTING CHOICES MADE EASY FOR YOUR HOME

SIMPLYCONSERVE

Lighting accounts for about 10% of the average home's energy expenses. Improving the efficiency of your lighting is an easy way to save on energy costs. This Lighting Choices Guide will help you determine the right LED light bulbs to use for each fixture at your home.

ENERGY USE

The table below can help you understand how ENERGY STAR® qualified LEDs compare to incandescent bulbs. LEDs provide the same brightness (lumens) while using less energy (watts). To find an LED with similar brightness compared to your current incandescent bulb, pay attention to the lumens. To save the most energy, choose an LED with the lowest wattage suitable for its use.

|  Incandescent Bulbs (Watts) |  ENERGY STAR® Qualified LEDs (Watts) |  Minimum Light Output (Lumens) |
|--|---|---|
| 25w | 4 - 9w | 200 lm |
| 40w | 9 - 13w | 450 lm |
| 60w | 13 - 15w | 800 lm |
| 75w | 18 - 25w | 1,100 lm |
| 100w | 23 - 20w | 1,600 lm |
| 125w | 28 - 40w | 2,000 lm |
| 150w | 30 - 52w | 2,600 lm |

THE KELVIN SCALE

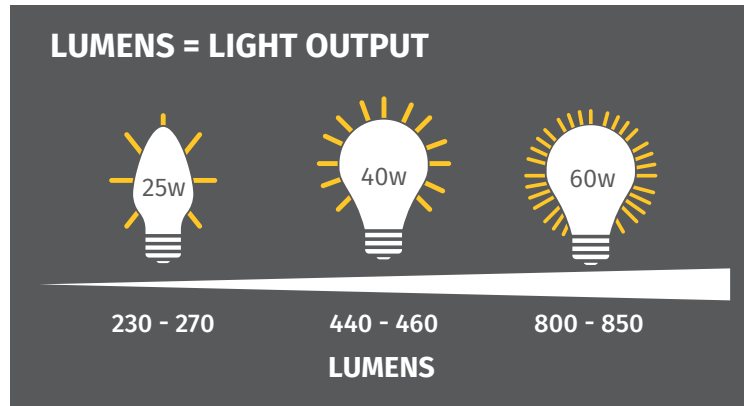
The Kelvin scale (k) measures light color, or appearance, of light bulbs. The lower the value, the warmer or more yellow the light output. The higher the value, the cooler or bluer the light output.



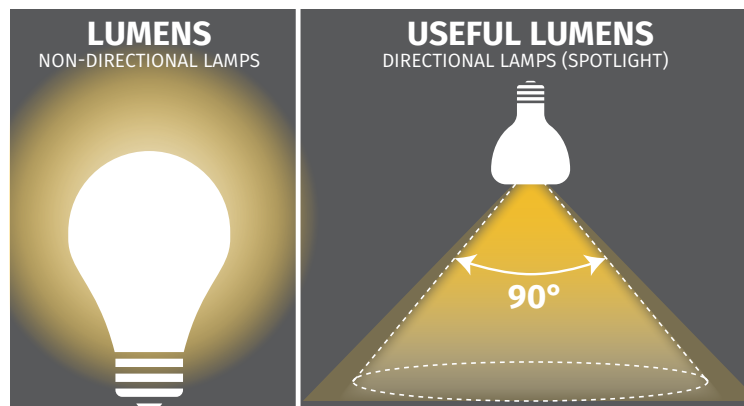
LUMENS

Lumens measure the total amount of visible light from a light bulb. The higher the lumen rating, the brighter the lamp will appear. LEDs provide more light output with much less power use.

To achieve the same light output of a 60 watt conventional bulb, you will need an LED with around 800 - 850 lumens.
















































For non-directional bulbs, such as a globe or candelabra, the total lumen output is calculated in all directions. With a directional bulb, such as a spotlight, the light is emitted in many directions, some of the light (spill light) may not be useful but it is counted in the total lumen rating.



Useful lumen rating is a measurement of useful light emitted in a standardized 90 degree cone. The useful lumen rating is usually lower than the total lumen output, but has more relevance to a spotlight bulb where useful light is in a forward focused direction.

LIGHTING CHOICES FOR YOUR BUSINESS

Use the lighting worksheet below to determine which LED bulb type you need for each light fixture at your business. You can mark the quantities need for each room.

| | | BULB TYPES | | | | |
|---------------------------|---|---|---|---|---|---|
| | |  A SHAPE |  CANDLE |  FLOOD |  GLOBE |  SPOT |
| Table or Floor Lamps |  |  Qty. <input type="text"/> | | | | |
| Pendant Fixtures |  |  Qty. <input type="text"/> |  Qty. <input type="text"/> | |  Qty. <input type="text"/> | |
| Ceiling Fixtures |  |  Qty. <input type="text"/> | | | | |
| Ceiling Fans |  |  Qty. <input type="text"/> |  Qty. <input type="text"/> | |  Qty. <input type="text"/> | |
| Wall Sconces |  |  Qty. <input type="text"/> |  Qty. <input type="text"/> |  Qty. <input type="text"/> |  Qty. <input type="text"/> |  Qty. <input type="text"/> |
| Recessed Cans |  | | |  Qty. <input type="text"/> | |  Qty. <input type="text"/> |
| Track Lighting |  | | |  Qty. <input type="text"/> | |  Qty. <input type="text"/> |
| Display Lighting |  | | |  Qty. <input type="text"/> | |  Qty. <input type="text"/> |
| Decorative Fixtures |  |  Qty. <input type="text"/> |  Qty. <input type="text"/> |  Qty. <input type="text"/> |  Qty. <input type="text"/> | |
| Enclosed Outdoor Fixtures |  |  Qty. <input type="text"/> | | | | |
| Outdoor Damp Locations |  |  Qty. <input type="text"/> |  Qty. <input type="text"/> |  Qty. <input type="text"/> |  Qty. <input type="text"/> |  Qty. <input type="text"/> |