LED Bulbs Made Easy
Just Look for the ENERGY STAR®

- Independently certified to deliver efficiency and performance.
- Same brightness (lumens), 70–90% less energy (watts)
- Lasts 15 times longer = big $ savings
- Help protect the environment and prevent climate change

Only LED bulbs that have earned the ENERGY STAR label have been independently certified and undergone extensive testing to assure that they will save energy and perform as promised.

ENERGY STAR certified LED bulbs are available in a variety of shapes and sizes for any application—including recessed cans, track lighting, table lamps, and more. You can even find certified bulbs that are dimmable. Use this chart as a guide to finding the right ENERGY STAR certified bulb for your light fixture and remember to always check the packaging for proper use.

**BRIGHTNESS**

For brightness, look for lumens, not watts. Lumens indicate light output. Watts indicate energy consumed. ENERGY STAR certified bulbs provide the same brightness (lumens) with less energy (watts). Use this chart to determine how many lumens you need to match the brightness of your old standard bulbs.

<table>
<thead>
<tr>
<th>Standard Bulbs (Watts)</th>
<th>ENERGY STAR Bulb Brightness (Minimum Lumens)</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>450</td>
</tr>
<tr>
<td>60</td>
<td>800</td>
</tr>
<tr>
<td>75</td>
<td>1,100</td>
</tr>
<tr>
<td>100</td>
<td>1,600</td>
</tr>
<tr>
<td>150</td>
<td>2,600</td>
</tr>
</tbody>
</table>

**COLOR/APPEARANCE**

ENERGY STAR certified bulbs are available in a wide range of colors. Light color, or appearance, matches a temperature on the Kelvin scale (K). Lower K means warmer, yellowish light, while higher K means cooler, bluer light.

<table>
<thead>
<tr>
<th>Color/Appearance</th>
<th>Kelvin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soft White, Warm White</td>
<td>2200K</td>
</tr>
<tr>
<td>Neutral White, Cool White</td>
<td>3000K</td>
</tr>
<tr>
<td>Daylight (think blue sky at noon)</td>
<td>5000K</td>
</tr>
</tbody>
</table>

ENERGY STAR is the simple choice for energy efficiency. For more than 20 years, EPA’s ENERGY STAR program has been America's resource for saving energy and protecting the environment. Join the millions making a difference at energystar.gov/lighting.