### Watt Bulb Works Best for Your Home?

<table>
<thead>
<tr>
<th>Incandescent Bulbs</th>
<th>Compact Fluorescent (CFL) Bulbs</th>
<th>Light-Emitting Diode (LED) Bulb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity runs through a wire filament, heating the filament until it glows and creates light.</td>
<td>Visible light results when UV light, created when electricity is driven through a tube containing argon and mercury, reacts with the coating on the tube.</td>
<td>Electricity passes through semiconductor material, illuminating the semiconductor devices called light-emitting diodes.</td>
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<tr>
<td>Looms up to 50% of the light before it even exits a fixture.</td>
<td>75% less heat than incandescent bulbs.</td>
<td>Uses diodes, not heat, to produce light.</td>
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<tr>
<td>Contains no hazardous materials.</td>
<td>75% more energy savings.</td>
<td>85% more energy savings as compared to incandescent bulbs.</td>
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<td>More efficient bulbs could save consumers $6 billion in 2015 alone.</td>
<td>Because CFLs contain mercury (about 4 mg, which is less than 1% found in old thermometers), they require proper disposal.</td>
<td>Contains no hazardous materials.</td>
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<td>Visit Earth911.com for tips on how to properly clean up a broken bulb or recycle intact bulbs.</td>
<td>Some localities recycle used LEDs.</td>
</tr>
</tbody>
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### Wattage: The amount of electricity consumed by a light source.

### Lumens: The amount of light that a light source produces.

### Average Price
- Incandescent Bulbs: $1.25
- Compact Fluorescent (CFL) Bulbs: $3.50
- Light-Emitting Diode (LED) Bulb: $8.00

### Lifespan (@ 3 hrs/day)
- Incandescent Bulbs: Less than 1 year
- Compact Fluorescent (CFL) Bulbs: Approx. 9 years
- Light-Emitting Diode (LED) Bulb: At least 22 years

### Average Annual Energy Cost
- Incandescent Bulbs: $3.50 - $4.80
- Compact Fluorescent (CFL) Bulbs: $1.20
- Light-Emitting Diode (LED) Bulb: $1.00

### Lumens per Watt
- Incandescent Bulbs: 13 to 14
- Compact Fluorescent (CFL) Bulbs: 55 to 70
- Light-Emitting Diode (LED) Bulb: 60 to 100

### Key Points
- President George W. Bush signed the Energy Independence and Security Act of 2007, requiring all light bulbs use nearly 30% less energy by 2014.

- Only use bulbs labeled for use in enclosed fixtures to prevent dangerous heat buildup.

- Install bulbs with extended lifespans in hard-to-reach locations to limit the number of times you have to climb a ladder, move furniture, or otherwise engage in potentially dangerous activities.