

# MAKING THE RIGHT LIGHTING CHOICE FOR YOU.


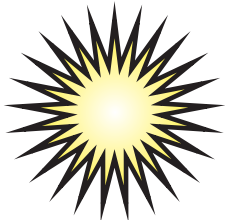



Selecting a lighting solution for your home can be a confusing task. Replacing an incandescent bulb with a Compact Fluorescent Light Bulb (CFL) or other energy saving options requires knowing what your desired wattage is. Wattage is also measured in lumens which indicates the brightness of a bulb. The conversion chart below show the conversion and will help make your purchase simple.

## LUMENS

### A New Way of Looking at Light

MORE LUMENS = MORE LIGHT

*A lumen is the true measurement of light output and brightness.*

 Incandescent	 Lumens	 LED	 CFL	 Halogen
Energy Efficient WATT Conversion				
100 w	= 1600	No ENERGY STAR® Equivalent	up to 26 w	up to 72 w
75 w	= 1100	No ENERGY STAR Equivalent	up to 23 w	up to 53 w
60 w	= 800	up to 12 w	up to 15 w	up to 43 w
40 w	= 450	up to 9 w	up to 11 w	up to 29 w
		Most Efficient	More Efficient	Efficient

*Lumen output and wattages are based on the most common products available for each medium screw-based light bulb. Actual lumen output and wattage may vary by product. The information only applies to general service, medium screw-based lamps, as listed in section 321 of the Energy Independence and Security Act of 2007 (EISA). Other light bulb types such as reflector, 3-way and candelabra are not included.*

Source: U.S. Department of Energy

Now that you have the wattage conversion information the next thing to consider is coloration. Turn over for the information on color selection.



Connecticut's Energy Efficiency Programs are funded by a Charge on Customer energy bills. The Programs are designed to help customers manage their energy usage and cost.

# KELVIN

## Understanding the Color of Light

Considering coloration for your needs is also important. For example, you may want a different light coloration for your kitchen than you would for a bedside lamp. Coloration is directly related to the Kelvin (K) rating of the bulb. The chart below will help you make the right Kelvin selection for your desired color.

Color temperature affects the appearance of home furnishings. The Kelvin Scale measures the temperature of color in light.

Kelvin	2700K-3000K	3500K-4100K	5000K-6500K
Color	"warm or soft white" a warm glow	"neutral or cool white" a radiant, crisp glow	"sunlight or daylight" a vibrant glow
Impact	cozy, inviting, relaxing mood	clean, efficient, fast paced ambience	alert, active, bright atmosphere
Usage	<ul style="list-style-type: none"> <li>• living room</li> <li>• family room</li> <li>• bedroom</li> <li>• restaurants</li> <li>• lobbies</li> </ul>	<ul style="list-style-type: none"> <li>• kitchen</li> <li>• bathroom</li> <li>• hobby room</li> <li>• basement</li> <li>• garage</li> </ul>	<ul style="list-style-type: none"> <li>• reading</li> <li>• detail oriented activities</li> <li>• hospitals</li> </ul>
Compares to	standard incandescent bulbs	halogen bulbs	average daylight

Note that the Lumen and Kelvin information can easily be found on the packaging of the bulb you purchase. See the example of the image below.



ENERGY STAR® has indicated ratings for your home lighting products to help you select the most energy efficient product available on the market. These ratings can be found at [www.energystar.gov](http://www.energystar.gov) by following the links below:

### Lighting fixture ratings:

[Home > Products > Light Fixtures > Key Product Criteria](#)

### CFL ratings:

[Home > Products > CFLs > Key Product Criteria](#)

### LED ratings:

[Home > Products > Residential LED Lighting > Key Product Criteria](#)

For more information on Energy Star lighting or other energy efficiency programs offered in Connecticut call **1-877 WISE USE** or visit [www.CTEnergyInfo.com](http://www.CTEnergyInfo.com)

Example: New Industry Product Labeling