



Less is More: Changing the Way We “See” Light



By choosing light bulbs based on lumen (light we get from the bulb) instead of the watt (energy the bulb consumes), we can save money and reduce the amount of energy we use.



Traditional Incandescent



Compact Fluorescent (CFL)



Light Emitting Diode (LED)



CFLs use about 75% less energy and last 10 times longer than traditional incandescent bulbs. LEDs use up to 80% less energy and last up to 25 times longer than traditional incandescent bulbs.



The FTC issued a new rule on bulb labeling to emphasize brightness instead of watts, helping consumers make more informed purchasing decisions (See *Lighting Facts* label on your bulb’s packaging).

LIGHTING BY THE NUMBERS

INCANDESCENT	CFL	LED
Uses 60W Lasts 1,000 hrs 20 Years ~ 21 Bulbs	Uses 14W Lasts 10,000 hrs 20 Years ~ 3 Bulbs	Uses 12.5W Lasts 25,000 hrs 20 Years ~ 1 Bulb

LIGHTING COSTS

 \$283 / yr	AN AVERAGE HOME The average U.S. household has more than 40 sockets for light bulbs, ranging from table lamps to ceiling fixtures. Lighting accounts for about 20 percent of annual household electricity bills.
 \$30,000 / yr	AN AVERAGE OFFICE SPACE An average office space of 15,000-square-foot uses around 17.3 kilowatt hours of electricity. Thirty-nine percent of energy is used on lighting.
 \$200,000 / yr	AN AVERAGE WAREHOUSE Warehouses in the U.S. use an average of 7.6 kilowatt-hours (kWh) of electricity per square foot annually. In a typical non-refrigerated warehouse, lighting accounts for approximately 30 percent.

SOURCES

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Lighting Facts <small>Per Bulb</small>	
Brightness	820 lumens
Estimated Yearly Energy Cost	\$7.23
<small>Based on 3 hrs/day, 11¢/kWh Cost depends on rates and use</small>	
Life	1.4 years
<small>Based on 3 hrs/day</small>	
Light Appearance	
<div style="display: flex; justify-content: space-between;"> Warm Cool </div>	
Energy Used	60 watts

Lighting facts taken from <http://energy.gov/energysaver/articles/lumens-and-lighting-facts-label>