

Energy Savings Calculator for Replacing Light Bulbs

	Incandescent Light Bulbs	CFL (Compact Fluorescent Light Bulbs)	LED (Light-Emitting Diode Light Bulbs)
Life Span (in hours)	1,500	10,000	60,000
Watts	60	14	6
Cost	<u>\$1.345</u>	<u>\$2.98</u>	<u>\$54.95</u>
KWh of electricity used over 60k hours	3,600	840	360
Electricity Cost (@ \$0.23 per KWh)	\$821.72	\$191.73	\$82.17
Bulbs needed for 60k hours of usage	40	6	1
Equivalent 60k hour bulb expense	\$53.80	\$17.88	\$54.95
Total 60,000 Hour Lighting Spend	\$875.52	\$209.61	\$137.12

Calculate Your Energy Savings

# of household light bulbs	30	30	30
Your estimated daily usage (hours)	5	5	5
Days in month	30	30	30
<i>Household savings over 60,000 hours (energy + replacement)</i>			
Household cost	\$26,265.54	\$6,288.43	\$4,113.65
Savings by switching from Incandescent	\$0.00	\$19,977.11	\$22,151.89
<i>Monthly household energy savings</i>			
KWh used per month	270	63	27
Electricity Cost (@ \$0.23 per KWh)	\$61.63	\$14.38	\$6.16
Savings by switching from Incandescent	\$0.00	\$47.25	\$55.47
<i>Yearly household energy savings</i>			
KWh used per year	3,285	767	329
Electricity Cost (@ \$0.23 per KWh)	\$749.82	\$174.96	\$74.98
Savings by switching from Incandescent	\$0.00	\$574.86	\$674.84

productdose.com comments:

blue font = input your personal data here

black font = pre-calculated cells

underlined text = where to buy / product info

All data from manufacturer as of 5/2/06

Courtesy of productdose.com

KWh = Kilowatt-hours

Choose KWh rate type: *

* change the data on the next tab.

2

1 = Average rate

2 = Highest rate

3 = Your own rate