

Home Lighting Calculations

Light Bulb #/ Watt Levels	Incandescent Lamp Wattage	Fluorescent Lamp Wattage	Bulb Change-Out Watt Savings	Light Bulb Watt Savings	Light Bulb Use Ave. Hours/Day	Light Bulbs Hours Operation/Month	Bulbs Kwh Use/Month	\$ Savings per Bulb	\$ Savings per Month
2	250	65	185	370	5	152.5	56.425	\$ 3.39	\$ 6.77
2	200	55	145	290	5	152.5	44.225	\$ 2.65	\$ 5.31
2	150	40	110	220	5	152.5	33.55	\$ 2.01	\$ 4.03
2	100	27	73	146	5	152.5	22.265	\$ 1.34	\$ 2.67
2	75	17	58	116	5	152.5	17.69	\$ 1.06	\$ 2.12
2	60	13	47	94	5	152.5	14.335	\$ 0.86	\$ 1.72
2	40	9	31	62	5	152.5	9.455	\$ 0.57	\$ 1.13
Total Savings/month									\$ 23.75

- A Cell Represents number of incandescent light bulbs changed out at each wattage replaced with fluorescent light bulbs.
- B Cell Represents wattage of incandescent light bulbs being replaced by fluorescent light bulbs.
- C Cell Represents wattage of fluorescent light bulbs replacing incandescent light bulbs.
- D Cell Represents incandescent to fluorescent light bulb watt savings.
- E Cell Represents incandescent to fluorescent total light bulb watt savings.
- F Cell Represents average hours of light bulb use per wattage.
- G Cell Represents average number of days in a month on an annual average.
- H Cell Represents your hours of light bulb use per month per wattage change-out.
- I Cell Represents your electric kilo-watt hour use per month.
- J Cell Represents TDPUD residential electric rate at 12 cents per kilo-watt hour.
- K Cell Represents dollar savings per incandescent bulb changed to fluorescents.
- L Cell Represents total dollar savings of your specified number of incandescent bulb changed to fluorescents per watt level.