Landscape Lighting Energy Cost Chart

Price per KW Hour = $0.10

Hours Per Day	2	4	6	8	10
Total Watts					
100	$ 0.02	$ 0.04	$ 0.06	$ 0.08	$ 0.10
200	$ 0.04	$ 0.08	$ 0.12	$ 0.16	$ 0.20
300	$ 0.06	$ 0.12	$ 0.18	$ 0.24	$ 0.30
400	$ 0.08	$ 0.16	$ 0.24	$ 0.32	$ 0.40
500	$ 0.10	$ 0.20	$ 0.30	$ 0.40	$ 0.50
600	$ 0.12	$ 0.24	$ 0.36	$ 0.48	$ 0.60
700	$ 0.14	$ 0.28	$ 0.42	$ 0.56	$ 0.70
800	$ 0.16	$ 0.32	$ 0.48	$ 0.64	$ 0.80
900	$ 0.18	$ 0.36	$ 0.54	$ 0.72	$ 0.90
1,000	$ 0.20	$ 0.40	$ 0.60	$ 0.80	$ 1.00
1,200	$ 0.24	$ 0.48	$ 0.72	$ 0.96	$ 1.20
1,400	$ 0.28	$ 0.56	$ 0.84	$ 1.12	$ 1.40
1,600	$ 0.32	$ 0.64	$ 0.96	$ 1.28	$ 1.60
1,800	$ 0.36	$ 0.72	$ 1.08	$ 1.44	$ 1.80
2,000	$ 0.40	$ 0.80	$ 1.20	$ 1.60	$ 2.00
2,250	$ 0.45	$ 0.90	$ 1.35	$ 1.80	$ 2.25
2,500	$ 0.50	$ 1.00	$ 1.50	$ 2.00	$ 2.50
2,750	$ 0.55	$ 1.10	$ 1.65	$ 2.20	$ 2.75
3,000	$ 0.60	$ 1.20	$ 1.80	$ 2.40	$ 3.00
3,250	$ 0.65	$ 1.30	$ 1.95	$ 2.60	$ 3.25
3,500	$ 0.70	$ 1.40	$ 2.10	$ 2.80	$ 3.50
3,750	$ 0.75	$ 1.50	$ 2.25	$ 3.00	$ 3.75
4,000	$ 0.80	$ 1.60	$ 2.40	$ 3.20	$ 4.00
4,500	$ 0.90	$ 1.80	$ 2.70	$ 3.60	$ 4.50
5,000	$ 1.00	$ 2.00	$ 3.00	$ 4.00	$ 5.00
5,500	$ 1.10	$ 2.20	$ 3.30	$ 4.40	$ 5.50
6,000	$ 1.20	$ 2.40	$ 3.60	$ 4.80	$ 6.00
6,500	$ 1.30	$ 2.60	$ 3.90	$ 5.20	$ 6.50
7,000	$ 1.40	$ 2.80	$ 4.20	$ 5.60	$ 7.00
7,500	$ 1.50	$ 3.00	$ 4.50	$ 6.00	$ 7.50
8,000	$ 1.60	$ 3.20	$ 4.80	$ 6.40	$ 8.00
8,500	$ 1.70	$ 3.40	$ 5.10	$ 6.80	$ 8.50
9,000	$ 1.80	$ 3.60	$ 5.40	$ 7.20	$ 9.00
9,500	$ 1.90	$ 3.80	$ 5.70	$ 7.60	$ 9.50
10,000	$ 2.00	$ 4.00	$ 6.00	$ 8.00	$ 10.00

Chart Interpretation:

Let's say that you have 100 landscape lighting fixtures with 20 watt lamps, you would first multiply the number of fixtures by the wattage of the lamps to obtain the total watts of your fixtures. For this example the total wattage is 2000 watts and we will use the KW hour rate of $0.10. This figure is found in the far left column and is highlighted on the chart. The next figure that you need in the equation is the amount of time you would like to leave your landscape illuminated. For this example we used four hours per day as the amount of time that the lights will be on. This figure is found in the top row and is also highlighted. If the total wattage of the lamps is 2000 and the lights are turned on four hours per day, the cost of electricity to those lamps is $0.80 per day. If you take that figure and multiply by the average number of days per month, we used 30, the cost is $24.00. Using this example, the homeowner would spend $24.00 per month to beautifully illuminate their landscape.

Formula

(KW Rate x Hours) x Watts/1000

Our Example:

($0.10 x 4) x 2000/1000 = $0.80

Cost Per Month:

Daily Cost x Days Per Month

Our Example: $0.80 x 30 = $24.00