

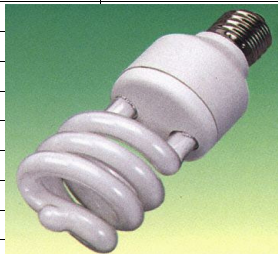


COMPARITIVE RUNNINGS COSTS OF A 50W HALOGEN, A 9W FLUORESCENT AND A 7W LED

FIGURES ARE BASED ON 8 HOURS PER DAY, 5 DAYS A WEEK AT 0.21c PER Kwh

No OF LIGHTS	HALOGEN	Co2	FLUORO 9W	Co2	LED 7W	Co2
	50W	TONS		TONS		TONS
	2000 HOURS		8000 HOURS		50, 000 HRS	
	PA		PA		PA	
1	\$ 21.84	0.109	\$ 4.24	0.0216	\$ 3.30	0.0168
6	\$ 131.04	0.653	\$ 25.47	0.126	\$ 19.81	0.098
10	\$ 218.40	1.088	\$ 42.46	0.21	\$ 33.03	0.1638
20	\$ 436.00	2.176	\$ 84.90	0.423	\$ 66.04	0.329
30	\$ 655.20	3.264	\$ 127.36	0.633	\$ 99.10	0.492
40	\$ 873.60	4.351	\$ 170.00	0.846	\$ 132.09	0.658
50	\$ 1,092.00	5.439	\$ 212.30	1.056	\$ 165.12	0.821
60	\$ 1,310.40	6.527	\$ 254.74	1.269	\$ 198.12	0.987
70	\$ 1,528.00	7.615	\$ 297.20	1.479	\$ 231.00	1.1508
80	\$ 1,747.20	8.703	\$ 339.66	1.692	\$ 264.20	1.316
90	\$ 1,965.60	9.791	\$ 382.10	1.902	\$ 297.20	1.479
100	\$ 2,184.00	10.878	\$ 424.56	2.115	\$ 330.20	1.645

CAPITAL AND MAINTENANCE COSTS ARE NOT INCLUDED IN THE ABOVE CALCULATIONS, MAKING POTENTIAL SAVINGS EVEN GREATER OVER THE LIFE OF THE LED



THESE FIGURES ARE TO BE USED AS A GUIDE ONLY AS OTHER INFLUENCING FACTORS CAN AFFECT THE FINAL OUTCOMES

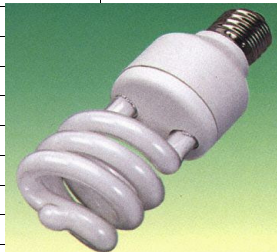


COMPARITIVE RUNNINGS COSTS OF A 50W HALOGEN, A 9W FLUORESCENT AND A 7W LED

FIGURES ARE BASED ON 10 HOURS PER DAY 7 DAYS A WEEK AT 0.21c PER KWH

No OF LIGHTS	HALOGEN 50W	Co2 TONS	FLUORO 9W	Co2 TONS	LED 7W	Co2 TONS
LIFE EXPECTANCY	2000 HOURS PA		8000 HOURS PA		50,000 HRS PA	
1	\$ 38.33	0.191	\$ 7.45	0.0378	\$ 5.80	0.0294
6	\$ 229.95	1.145	\$ 44.69	0.223	\$ 34.76	0.1736
10	\$ 383.25	1.909	\$ 74.50	0.371	\$ 57.95	0.288
20	\$ 766.50	3.818	\$ 149.00	0.741	\$ 115.90	0.576
30	\$ 1,149.75	5.727	\$ 223.50	1.112	\$ 173.85	0.865
40	\$ 1,533.00	7.636	\$ 298.00	1.485	\$ 231.92	1.155
50	\$ 1,916.25	9.545	\$ 377.93	1.855	\$ 293.95	1.443
60	\$ 2,299.50	11.454	\$ 447.00	2.226	\$ 347.69	1.731
70	\$ 2,682.75	13.363	\$ 521.53	2.597	\$ 405.63	2.02
80	\$ 3,066.00	15.272	\$ 596.00	2.968	\$ 463.58	2.308
90	\$ 3,449.25	17.181	\$ 670.50	3.339	\$ 521.52	2.597
100	\$ 3,832.50	19.09	\$ 745.00	3.711	\$ 579.47	2.886

CAPITAL AND MAINTENANCE COSTS ARE NOT INCLUDED IN THE ABOVE CALCULATIONS, MAKING POTENTIAL SAVINGS EVEN GREATER OVER THE LIFE OF THE LED



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