



ENERGY STAR

ENERGY STAR[®], a U.S. Environmental Protection Agency program, helps us all save money and protect our environment through energy efficient products and practices. For more information, visit www.energystar.gov

ENERGY STAR[®] Advanced Lighting Package (ALP) Energy Bill Savings Chart

This table illustrates the potential annual energy bill and bulb replacement savings that could be realized by using fixtures that earned the ENERGY STAR in your home. ENERGY STAR qualified lighting provides bright, warm light similar to incandescent while requiring less energy, generating less heat, and use bulbs lasting up to 10 times longer.

Electricity price per kilowatt-hour	Fixture quantity	Total annual electricity and bulb replacement savings	Increase to home sales price	Total annual mortgage increase	Net annual electricity and bulb replacement savings	Net savings over bulb life (approximately 9 years)
\$0.12	40	\$767	\$500	\$37	\$730	\$5,888
	36	\$690	\$450	\$33	\$657	\$5,299
	32	\$614	\$400	\$30	\$584	\$4,710
	28	\$537	\$350	\$26	\$511	\$4,121
	24	\$460	\$300	\$22	\$438	\$3,533
	20	\$384	\$250	\$18	\$365	\$2,944
	16	\$307	\$200	\$15	\$292	\$2,355
	12	\$230	\$150	\$11	\$219	\$1,766
	8	\$153	\$100	\$7	\$146	\$1,178



The Advanced Lighting Package Defined:

- + A comprehensive set of ENERGY STAR qualified light fixtures and ceiling fans.
- + Must consist of a minimum of 60% ENERGY STAR qualified hard-wired fixtures—indoor and/or outdoor.
- + All ceiling fans must be ENERGY STAR qualified.

ENERGY STAR QUALIFIED LIGHTING USES 75% LESS ENERGY THAN STANDARD LIGHTING AND LASTS UP TO 10 TIMES LONGER





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\$0.10	40	\$649	\$500	\$37	\$612	\$4,851
	36	\$584	\$450	\$33	\$550	\$4,366
	32	\$519	\$400	\$30	\$489	\$3,881
	28	\$454	\$350	\$26	\$428	\$3,396
	24	\$389	\$300	\$22	\$367	\$2,911
	20	\$324	\$250	\$18	\$306	\$2,426
	16	\$259	\$200	\$15	\$245	\$1,940
	12	\$195	\$150	\$11	\$183	\$1,455
	8	\$130	\$100	\$7	\$122	\$970



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\$0.08	40	\$530	\$500	\$37	\$493	\$3,815
	36	\$477	\$450	\$33	\$444	\$3,433
	32	\$424	\$400	\$30	\$395	\$3,052
	28	\$371	\$350	\$26	\$345	\$2,670
	24	\$318	\$300	\$22	\$296	\$2,289
	20	\$265	\$250	\$18	\$247	\$1,907
	16	\$212	\$200	\$15	\$197	\$1,526
	12	\$159	\$150	\$11	\$148	\$1,144
	8	\$106	\$100	\$7	\$99	\$763



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Electricity price per kilowatt-hour	Fixture quantity	Total annual electricity and bulb replacement savings	Increase to home sales price	Total annual mortgage increase	Net annual electricity and bulb replacement savings	Net savings over bulb life (approximately 9 years)
\$0.07	40	\$471	\$500	\$37	\$434	\$3,296
	36	\$424	\$450	\$33	\$391	\$2,967
	32	\$377	\$400	\$30	\$347	\$2,637
	28	\$330	\$350	\$26	\$304	\$2,308
	24	\$283	\$300	\$22	\$260	\$1,978
	20	\$235	\$250	\$18	\$217	\$1,648
	16	\$188	\$200	\$15	\$174	\$1,319
	12	\$141	\$150	\$11	\$130	\$989
	8	\$94	\$100	\$7	\$87	\$659



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\$0.06	40	\$412	\$500	\$37	\$375	\$2,778
	36	\$370	\$450	\$33	\$337	\$2,500
	32	\$329	\$400	\$30	\$300	\$2,223
	28	\$288	\$350	\$26	\$262	\$1,945
	24	\$247	\$300	\$22	\$225	\$1,667
	20	\$206	\$250	\$18	\$187	\$1,389
	16	\$165	\$200	\$15	\$150	\$1,111
	12	\$123	\$150	\$11	\$112	\$833
	8	\$82	\$100	\$7	\$75	\$556



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General Assumptions	
estimate	Household fixture quantity.
6.25% Interest 30 Year	Mortgage impact based on. (Source: www.wellsfargo.com, 10.29.07, base loan \$225,000)
1143	Average annual hours of use (3.13 hours per day).
Base Line Assumptions	
107	Average bulb wattage.
1.64	Average # of sockets/fixture
\$40	Average initial fixture cost
\$0.75	Average annual bulb replacement cost.
1000	Average Rated Lamp Life.
ES Assumptions	
28	Average bulb wattage.
1.64	Average # of sockets/fixture.
\$53	Average initial fixture cost.
\$0	Average annual bulb replacement cost.
10,000	Average rated lamp life.

To learn more, visit our Web site at
<http://www.energystar.gov> or contact
the ENERGY STAR hotline at hotline@energystar.gov
United States Environmental Protection Agency
Office of Air and Radiation (6202J)
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