

LED Light Technology-Quick Reference Guide

Existing Lighting System	Watts Used Current Fixture	Watts Used LED Fixture	LED Fixture Life Cycle Cost Savings of Owning & Operating-National Average Energy Rate is \$.10/kWh						
			\$.085 kWh	\$.10 kWh	\$.125 kWh	\$.145 kWh	\$.165 kWh	\$.205 kWh	\$.250 kWh
Incandescent/Halogen									
<i>90 Watt Halogen Par</i>									
1000 Fixtures	90	20	\$802,229	\$894,251	\$1,047,621	\$1,170,316	\$1,293,012	\$1,538,403	\$1,814,469
500 Fixtures	90	20	\$401,115	\$447,126	\$523,810	\$585,158	\$646,506	\$769,202	\$907,234
1 Fixture	90	20	\$802	\$894	\$1,048	\$1,170	\$1,293	\$1,538	\$1,814
<i>300 Watt Linear Halogen</i>									
1000 Fixtures	300	75	\$1,904,751	\$2,193,962	\$2,675,981	\$3,061,596	\$3,447,211	\$4,218,441	\$5,086,075
500 Fixtures	300	75	\$952,375	\$1,096,981	\$1,337,990	\$1,530,798	\$1,723,605	\$2,109,220	\$2,543,037
1 Fixture	300	75	\$1,905	\$2,194	\$2,627	\$3,062	\$3,447	\$4,218	\$5,086
Fluorescent									
<i>2'x4' 4 Lamp Fixture</i>									
1000 Fixtures	160	50	\$1,507,307	\$1,638,767	\$1,857,866	\$2,033,146	\$2,208,425	\$2,558,984	\$2,953,363
500 Fixtures	160	50	\$753,653	\$4,932,798	\$928,933	\$1,016,573	\$1,104,213	\$1,279,492	\$1,476,682
1 Fixture	160	50	\$1,507	\$1,639	\$1,858	\$2,033	\$2,208	\$2,559	\$2,953
<i>2'x2' U-Bend Fixture</i>									
1000 Fixtures	80	30	\$755,755	\$821,484	\$931,034	\$1,018,674	\$1,106,314	\$1,281,593	\$1,478,783
500 Fixtures	80	30	\$377,877	\$410,742	\$465,517	\$509,337	\$553,157	\$640,797	\$739,391
1 Fixture	80	30	\$756	\$821	\$931	\$1,019	\$1,106	\$1,282	\$1,479
High Intensity Discharge									
<i>250 Mercury Vapor</i>									
1000 Fixtures	288	65	\$1,548,286	\$1,724,179	\$2,017,335	\$2,251,859	\$2,486,383	\$2,955,431	\$3,483,110
500 Fixtures	288	65	\$774,143	\$862,090	\$1,008,667	\$1,125,929	\$1,243,191	\$147,772	\$1,741,555
1 Fixture	288	65	\$1,548	\$1,724	\$2,017	\$2,252	\$2,486	\$2,955	\$3,483
<i>400 Watt Metal Halide</i>									
1000 Fixtures	460	150	\$1,979,335	\$2,223,849	\$2,631,374	\$2,957,394	\$3,283,414	\$3,935,454	\$4,668,999
500 Fixtures	460	150	\$989,667	\$1,111,925	\$1,315,687	\$1,478,697	\$1,641,707	\$1,967,727	\$2,334,500
1 Fixture	460	150	\$1,979	\$2,224	\$2,631	\$2,957	\$3,283	\$3,935	\$4,669
<i>150 Watt High Pressure Sodium</i>									
1000 Fixtures	150	35	\$1,202,117	\$1,312,543	\$1,496,586	\$1,643,821	\$1,791,056	\$2,085,526	\$2,416,804
500 Fixtures	150	35	\$601,058	\$656,271	\$748,293	\$821,911	\$895,528	\$1,042,763	\$1,208,402
1 Fixture	150	35	\$1,202	\$1,313	\$1,497	\$1,644	\$1,791	\$2,086	\$2,417

Typical example based upon procedures established by the Illuminating Engineering Society of North America or Industry Standard Practices.

Assumptions:

4,380 or 12/7/365 Burning Hours per year

Industry standard rated life for traditional products

Considers Bulb & Ballast Replacement Costs

LED Fixtures Life Cycle 50,000 Hours, no maintenance

LED Fixture End of Life defined as 70% of initial light output at 50,000 hours

Complete custom analysis provided with completion of LED Light Technology's Facility Survey Document