

LED Bulb vs Standard Incandescent		
ITEM	LED	Standard Incandescent
Approx. Bulb Hour Usage	35,000 to 50,000 Hrs	2,000 Hrs
Bulb Replacement Maintenance	Low	High
Power Consumption	Very Low - About 20% of Standard	Higher compared to LED's
Power Consumption Comparison	3 Watt	20 Watts
Power Consumption Comparison	5 Watt	30 Watts
Power Consumption Comparison	7 Watt	50 Watts
Heat	Low	High
Brightness of Equivalent Bulbs	Same	Same
Durability	Very Durable - LEDs can handle jarring and bumping	Not Very Durable - glass or filament can break easily
Initial Bulb Cost	High	Low

Bulb Replacement Comparison		
ITEM	LED	Standard Incandescent
5 Year Bulb Replacement Cost at 4 to 5.5 hours per day - 10K hours	None	Between 3.5 and 5 Bulbs
10 Year Bulb Replacement Cost at 4 to 5.5 hours per day - 20K hours	None	Between 7 and 10 Bulbs
15 Year Bulb Replacement Cost at 4 to 5.5 hours per day - 30K hours	None	Between 11 to 15 Bulbs
20 Year Bulb Replacement Cost at 4 to 5.5 hours per day - 40K hours	None	Between 14 to 20 Bulbs

Bulb Wattage Consumption Comparison			
45 Watt LED System (x15 - 3 watt bulbs) VS 300 Watt Standard Incandescent Bulb System (x15 - 20 watt bulbs)			
ITEM	LED Watts Used	Standard Incandescent Watts Used	.12 cents savings
5 Years at 4 hours per day	328,500	2,190,000	\$223.00
10 Years at 4 hours per day	657,000	4,380,000	\$446.00
15 Years at 4 hours per day	984,000	6,570,000	\$669.00
20 Years at 4 hours per day	1,314,000	8,760,000	\$892.00

Bulb Electrical Consumption Comparison @ .12 cents per kwatt at 4 hours per day					
45 Watt LED System (x15 - 3 watt bulbs) VS 300 Watt Standard Incandescent Bulb System (x15 - 20 watt bulbs)					
	x15 Bulb Cost	20 Year Bulb Replacement Cost	20 Year Labor Cost Bulb Replacement \$150.00 per System	20 Year Electrical Cost	20 Year Totals
LED	\$375.00	\$0.00	\$0.00	\$157.00	\$532.00
Incandescent	\$127.50	\$1,785.00	\$2,550.00	\$1,051.00	\$5,513.50