

Incandescent-to-LED-Relamping Energy Cost Savings Calculation

Lighting System		Present Lamp Used	LEDtronics LED Replacement
Lamp Part Number	#	100 watt HPS & ballast	SLL003P-400-TPW-104
Lamp Life (Hours)	A	8000	50000
Lamp Price	B	\$105.00	\$645.25
Lamp Wattage	C	138	21

Operating Information			
Annual Operating Hours	D		4745
Labor (Hourly Rate)	E		\$250
Rate per kWh	F		\$0.14
Total Number of Lamps	G		200

Annual System Operating Costs		Present Lamp Used	LEDtronics LED Replacement
Lamps	H	\$12,455.63	\$12,246.85
Labor	I	\$29,656.25	\$4,745.00
Electricity	J	\$18,334.68	\$2,790.06
Total	K	\$60,446.56	\$19,781.91

Estimated Savings with LEDtronics LED Lamps			
Annual Savings	L		\$40,664.65
Simple Payback	M		2.66 years
Return on Investment	N		37.64%
Energy \$ Saved Over Lamp Life	O		\$163,800.00
Savings Over Lamp Life	P		\$428,500.00

Additional Notes

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* Savings may vary depending on application, fixture and burning position. Stated wattage are approximate. Actual lamp wattage may vary depending on design and manufacturing tolerances.