

Population USA 333,300,000

Area

Area	Joliet, Illinois
Population	150,033
Urban Population	150,033
Rural Population	0

Streetlights

Optimal Streetlights	13,053
Estimated Streetlights	11,057
Shortfall	1,995
Shortfall Percent	15.29%
iLamp Cost	\$9,000.00

Road Accidents

Road Accident Reduction	25%
USA Road Accident Cost	\$340,000,000,000
Cost Per Person	\$1,020
Joliet, Illinois Accident Cost	\$153,048,965
iLamp Savings Per Year	\$5,849,285

Crime

Crime Reduction	11%
USA Crime Cost	\$5,000,000,000,000
Cost Per Person	\$15,002
Joliet, Illinois Crime Cost	\$2,250,720,072
Cost In Unlit Areas	\$450,144,014
iLamp Savings Per Year	\$37,848,316

Maintenance - Traditional Lamp

Cost per lamp per year	\$100.00
Cost Per Shortfall Per Year	\$199,543.89

Energy - Traditional Lamp

Hours per day	12
Watts	200
KWh Per night	2.4
Cost Per kWh	0.17
Cost Per Lamp Per Year	\$148.92
Cost Per Shortfall Per Year	\$297,160.76

Totals

Lifespan Period (Years)	20
Total Savings Over Period	\$877,945,873.13
Cost of iLamp	\$17,958,950.10
Cost Benefit Ratio	48.88625829