



System Specifications

Client Name	Wells County Library
Project Name	Can Lights
CFL	105
Number of Fixtures	105
System Watts per Fixture	41.52
TERRALUX	105
Number of Fixtures	105
System Watts per Fixture	17.88
Energy Cost	\$0.100
Cost per KW Hour	\$0.100
Energy Incentives	0%
Energy Utility Incentive Rate	0%
EPACT Deduction (total %)	0%
SYSTEM COST	\$19,515.00

ASSUMING EXISTING WATTAGES ARE 400W MH
 CUSTOMER TO VERIFY - REBATE WILL CHANGE WITH
 EXISTING FIXTURE WATTAGE

MATERIAL COST \$19,515.00
 SALES TAX \$0.00
 ESTIMATED REBATE \$0.00
 REVISED PROJECT TOTAL \$19,515.00

Energy Calculations

Annual Energy Consumption	CFL	TERRALUX
Total Fixtures	105	105
Watts per Fixture	41.52	17.88
KW per Fixture	0.04152	0.01788
Annual Hour Usage (24/7)	4,380	4,380
Total Annual KW Used	19,095	8,223
Cost Per KW Hour	\$0.100	\$0.100
	0	0%
Total Annual Energy Cost	\$1,910	\$822

Maintenance Calculations

Annual Maintenance	CFL	TERRALUX
Lamp Life (Hrs)	15,000	150,000
Lamp Cost per Fixture	\$30.00	\$0.00
Re-lamp Labor Hours	1.00	1.00
Hourly Labor Relamping Cost	\$60.00	\$60.00
Ballast Life (Hrs)	50,000	150,000
Ballast Cost Per Fixture	\$40.00	\$80.00
Reballast Labor Hours (PL)	1	1
Hourly Labor Re-Ballasting Cost	\$60.00	\$60.00
Lamp Life (Years)	3.4	34.2
Number of Fixtures Relamps Annually	30.7	0.0
Cost to Relamp per Year	\$2,759.40	\$0.00
Ballast Life (Years)	11.4	34.2
Number of Fixture Reballasts Annually	2.0	0.0
Cost to Reballast per Year	\$200.00	\$0.00
Performance Detection/Support Fees	\$0.00	\$0.00
Total Annual Maintenance Cost	\$2,959.40	\$0.00

Summary

ENERGY SAVINGS	
Annual Energy Savings	\$1,087.20
MAINTENANCE SAVINGS	
Relamp Savings	\$2,759.40
Reballast Savings	\$200.00
Performance Detection/Support Fee Savings	\$0.00
Total Annual Maintenance Savings	\$2,959.40
YEAR 1 SAVINGS	
Energy Savings	\$1,087.20
Maintenance Savings	\$2,959.40
Utility Rebates	\$0.00
EPACT Deduction (at 30% tax bracket)	\$0.00
Total Year One Savings	\$4,046.60
TOTAL 15 YEAR SAVINGS	
Energy Savings	\$16,308.05
Maintenance Savings	\$44,391.00
Utility Rebate plus EPACT Deduction	\$0.00
Total Fifteen Year Savings	\$60,699.05
Payback in Years	4.8

