

CUSTOM LIGHTING ANALYSIS

ANALYSIS RECIPIENT:

Sample Customer
 Single Location
 Mr. Mark Sample
 7117 Green Street
 USA

ABRIDGED REPORT

(Additional Detail Provided in Actual Report)

TOTALS
(ALL AREAS)

AREA NUMBER
AREA DESCRIPTION

AREA # 1

AREA # 2

AREA # 3

Proposed Lighting System		Current Lighting	Proposed Lighting	Current Lighting	Proposed Lighting	Current Lighting	Proposed Lighting
Lighting System Data	Lighting System Data	Lighting System Data		Lighting System Data		Lighting System Data	
	Lamp Type or Catalog#	65BR30/FL	23W OZONE FREE	65BR30/FL	16R30/CF	15WT6	31R11
	Lamps per Fixture	1	1	1	1	2	2
	Number of Fixtures	20	20	40	40	14	14
Energy Analysis	Energy Analysis	Energy Analysis		Energy Analysis		Energy Analysis	
	Total kW Demand	1.3	0.5	2.6	0.6	0.4	0.0
	Total kWhr Usage	2,839	1,005	5,678	1,398	3,669	220
	Annual kWhr Charge	\$ 284	\$ 100	\$ 568	\$ 140	\$ 367	\$ 22
	Total Annual Energy Cost	\$ 284	\$ 100	\$ 568	\$ 140	\$ 367	\$ 22
Airconditioning Analysis	Airconditioning Analysis	Airconditioning Analysis		Airconditioning Analysis		Airconditioning Analysis	
\$ 50,415	Total Watts Saved		840		1960		394.8
18.01	Tons of AC Saved		0.30		0.70		0.14
	Cooling Hours**		3400		3400		3400
\$ 3,796.37	Total Annual AC Savings		\$ 26		\$ 60		\$ 48
Payback Analysis	Payback Analysis	Payback Analysis		Payback Analysis		Payback Analysis	
\$ 27,609.53	Annual Savings - W/O Airconditing		\$ 183		\$ 428		\$ 345
\$ 31,405.89	Total Annual Energy & AC Savings		\$ 209		\$ 488		\$ 393

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TOTALS (ALL AREAS)

AREA NUMBER AREA DESCRIPTION

AREA # 4

AREA # 5

AREA # 6

Proposed Lighting System		Current Lighting	Proposed Lighting	Current Lighting	Proposed Lighting	Current Lighting	Proposed Lighting
Lighting System Data	Lighting System Data	Lighting System Data		Lighting System Data		Lighting System Data	
	Lamp Type or Catalog#	65BR30/FL	16R30/CF	65BR30/FL	16R30/CF	60A	24VZAN/FL/FL
	Lamps per Fixture	1	1	1	1	1	1
	Number of Fixtures	9	9	6	6	104	104
Energy Analysis	Energy Analysis	Energy Analysis		Energy Analysis		Energy Analysis	
	Total kW Demand	0.6	0.1	0.4	0.1	6.2	2.4
	Total kWhr Usage	2,768	681	3,407	839	54,513	20,897
	Annual kWhr Charge	\$ 277	\$ 68	\$ 341	\$ 84	\$ 5,451	\$ 2,090
	Total Annual Energy Cost	\$ 277	\$ 68	\$ 341	\$ 84	\$ 5,451	\$ 2,090
Airconditioning Analysis	Airconditioning Analysis	Airconditioning Analysis		Airconditioning Analysis		Airconditioning Analysis	
\$ 50,415	Total Watts Saved		441		294		3848
18.01	Tons of AC Saved		0.16		0.11		1.37
	Cooling Hours**		0		3400		3400
\$ 3,796.37	Total Annual AC Savings		\$ -		\$ 36		\$ 467
Payback Analysis	Payback Analysis	Payback Analysis		Payback Analysis		Payback Analysis	
\$ 27,609.53	Annual Savings - W/O Airconditing		\$ 209		\$ 257		\$ 3,362
\$ 31,405.89	Total Annual Energy & AC Savings		\$ 209		\$ 293		\$ 3,829

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TOTALS (ALL AREAS)		AREA # 7		AREA # 8		AREA # 9	
TOTALS (ALL AREAS)	AREA NUMBER AREA DESCRIPTION						
Proposed Lighting System		Current Lighting	Proposed Lighting	Current Lighting	Proposed Lighting	Current Lighting	Proposed Lighting
Lighting System Data	Lighting System Data	Lighting System Data		Lighting System Data		Lighting System Data	
	Lamp Type or Catalog#	65BR30/FL	1BR20/CL	60A	5W/C	50R20	1BR20/FL
	Lamps per Fixture	1	1	4	4	1	1
	Number of Fixtures	3	3	5	5	5	5
Energy Analysis	Energy Analysis	Energy Analysis		Energy Analysis		Energy Analysis	
	Total kW Demand	0.2	0.0	1.0	0.1	0.3	0.1
	Total kWhr Usage	639	157	3,276	328	1,229	344
	Annual kWhr Charge	\$ 64	\$ 16	\$ 328	\$ 33	\$ 123	\$ 34
	Total Annual Energy Cost	\$ 64	\$ 16	\$ 328	\$ 33	\$ 123	\$ 34
Airconditioning Analysis	Airconditioning Analysis	Airconditioning Analysis		Airconditioning Analysis		Airconditioning Analysis	
\$ 50,415	Total Watts Saved		147		900		180
18.01	Tons of AC Saved		0.05		0.32		0.06
	Cooling Hours**		3400		3400		0
\$ 3,796.37	Total Annual AC Savings		\$ 7		\$ 41		\$ -
Payback Analysis	Payback Analysis	Payback Analysis		Payback Analysis		Payback Analysis	
\$ 27,609.53	Annual Savings - W/O Airconditing		\$ 48		\$ 295		\$ 88
\$ 31,405.89	Total Annual Energy & AC Savings		\$ 55		\$ 336		\$ 88

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TOTALS (ALL AREAS)	AREA NUMBER AREA DESCRIPTION	AREA # 10		AREA # 11	
Proposed Lighting System		Current Lighting	Proposed Lighting	Current Lighting	Proposed Lighting
Lighting System Data	Lighting System Data	Lighting System Data		Lighting System Data	
	Lamp Type or Catalog#	90PAR HALOGEN	200PAR HALOGEN	40A	200PAR HALOGEN
	Lamps per Fixture	1	1	1	1
	Number of Fixtures	550	550	120	120
Energy Analysis	Energy Analysis	Energy Analysis		Energy Analysis	
	Total kW Demand	49.5	12.7	4.8	0.2
	Total kWhr Usage	205,920	52,624	19,968	998
	Annual kWhr Charge	\$ 26,770	\$ 6,841	\$ 2,596	\$ 130
	Total Annual Energy Cost	\$ 26,770	\$ 6,841	\$ 2,596	\$ 130
Airconditioning Analysis	Airconditioning Analysis	Airconditioning Analysis		Airconditioning Analysis	
\$ 50,415	Total Watts Saved		36850		4560
18.01	Tons of AC Saved		13.16		1.63
	Cooling Hours**		3400		3400
\$ 3,796.37	Total Annual AC Savings		\$ 2,770		\$ 343
Payback Analysis	Payback Analysis	Payback Analysis		Payback Analysis	
\$ 27,609.53	Annual Savings - W/O Airconditing		\$ 19,928		\$ 2,466
\$ 31,405.89	Total Annual Energy & AC Savings		\$ 22,698		\$ 2,809

Lamp Labor and Replacement Savings Analysis

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AREA	OPERATION HOURS PER YEAR	EXISTING LAMP TYPE	NUMBER LAMPS	TIME TO CHANGE HOURS	YEARLY REPLACEMENT COST - LABOR	YEARLY REPLACEMENT COST - LAMPS
AREA # 1	2,184	65BR30/FL	20	0.08	\$14.56	\$69.89
AREA # 2	2,184	65BR30/FL	40	0.08	\$29.12	\$139.78
AREA # 3	8,736	15WT6	28	0.13	\$122.30	\$293.53
AREA # 4	4,732	65BR30/FL	9	0.08	\$14.20	\$68.14
AREA # 5	8,736	65BR30/FL	6	0.08	\$17.47	\$83.87
AREA # 6	8,736	60A	104	0.08	\$1,009.49	\$302.85
AREA # 7	3,276	65BR30/FL	3	0.08	\$3.28	\$15.72
AREA # 8	3,276	60A	20	0.08	\$72.80	\$21.84
AREA # 9	4,914	50R20	5	0.17	\$20.48	\$61.43
AREA # 10	4,160	90PAR HALOGEN	550	0.08	\$635.56	\$3,012.53
AREA # 11	4,160	40A	120	0.08	\$554.67	\$159.74
					\$2,493.92	\$4,229.32
ANNUAL SAVINGS					\$	6,723.23