







Building Name Spencer Co. Elementary School

Proposal Name
Spencer Co. Elementary School Fluorescent
Proposal

A Proposal For .

Jim Oliver

Director of Facilities and Groun

Spencer Co. Elementary School

Friday, April 18, 2014



Executive Summary

Project Overview

Total Material Cost (\$)	3,300
Less Rebates and Incentives (\$)	
Net Cost of Project (\$)	3,300
Annual Operating Savings	
Energy Savings (\$)1,2	838
Maintenance Savings (\$)³	260
Total Annual Operating Savings (\$)	1,099
Operating Savings Over 10 Years	
Energy Savings (\$)1,2	8,386
Maintenance Savings (\$)	2,607
Total Operating Savings Over 10 Years (\$)	10,993
Payback Period (yrs)	1.3
Net Present Value (\$)⁴	5,525
Internal Rate of Return (%)	117.37

- 1. Energy cost (\$) = 0.0700/kWh; Annual energy cost escalation (%) = 0.00
- 2. Energy savings are averaged over 10 year analysis period
- 3. Maintenance costs are averaged over 10 year analysis period
- 4. Assumed cost of capital (%) = 6
- 5. Product Tax Rate (%) = 0.00
- 6. Service Tax Rate (%) = 0.00

Financial Summary

Total Project Cost (\$)	Net Project Cost (\$)	10 Yr Operating Savings (\$)1,2	Payback Period (yrs)	NPV (\$) ³	IRR (%)
3,300	3,300	10,993	1.3	5,525	117.37

- 1. Energy cost (\$) = 0.0700/kWh; Annual energy cost escalation (%) = 0.00
- 2. Operating Savings equals the energy cost savings plus the maintenance savings averaged over the analysis period
- 3. Assumed Cost of capital (%) = 6
- 4. Product Tax Rate (%) = 0.00
- 5. Service Tax Rate (%) = 0.00



Friday, April 18, 2014

Jim Oliver Director of Facilities and Grounds Spencer Co. Elementary School 520 Taylorsville Road Taylorsville KY 40071

Many businesses are searching for various means to reduce their operating expenses. In many cases, the search need not be any more tedious than simply looking at something most of us take for granted on a daily basis - our lighting systems. By carefully analyzing the equipment and usage patterns of these systems, we can uncover hidden expenditures and provide an optimal return on investment that improves your bottom line and environmental impact.

Our team of energy experts surveyed your facility and compiled data from your existing equipment. The equipment reviewed and analyzed included lamps, ballasts, controls, fixtures, lenses, and/or voltage, lamp temperature, color of light, foot candles, lumens and maintenance schedule.

The Energy Savings Assessment provides a model for retro-fits and upgrade recommendation. It allows us to visualize the energy reduction and financial benefits of the proposed changes as well as the cost of doing nothing. Using the information collected during the audit process and the integrated market data, we can quickly and accurately model various projects and upgrade scenarios. The integration of product performance, market and industry data at the point in time when it's needed is a powerful component of the Energy Savings Assessment's analysis suite.

Ultimately, we can see the impact the recommended efficiency measures will have on a building's energy usage and financial performance. Using equipment and occupancy information collected during the audit, the Energy Savings Assessment enables us to view proposed upgrades and determine how these recommendations compare to the operating cost and energy consumption of the existing equipment. Rexel can quickly create project alternatives and compare them to determine the best return on investment for the customer and the project.

We look forward to discussing the proposed options and working with you to provide your company the best possible solution.

Thank you for the opportunity.

Micah Cheak Account Manager Phone: 859-338-9419

Email: Micah.Cheak@RexelUSA.com

T8 COOL BEAM FLUORESCENT HIGH BAY

(6 LAMP FULL BODY SPECIFICATION GRADE)

CB6-32-T8









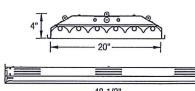


PRODUCT FEATURES:

- Our Cool Beam Technology allows ballast to stay cool through ventilation slots on sides, and to maintain 5 year warranty at 55°C.
- Full Body construction is formed from 22 Gauge steel to ensure rigidity and endurance. Body includes knockouts on top and sides for easy wiring.
- Reflector is attached to body with 4 screws, and hinges down along with lamps for easy access to ballast. Rotary Lamp sockets hold lamps in place and allow for easy relamping.
- Wireguard is standard white finish and may be combined with lens option. Wireguard and lens option come preinstalled with hinged doorframe for easy access to lamps.
- Additional options such as motion sensors, emergency ballasts, lamps and wiring all come prewired from factory.
- 95% reflective premium reflector material is engineered to optimize performance for 93% total fixture efficiency.
- · Post painted high-gloss enamel finish ensures maximum adhesion and rust resistance.
- Using the latest optical technology our 6 lamp CB luminaire out performs conventional MH fixtures while maintaining minimal energy consumption.
- · Four corner tie points are standard for chain or aircraft cable mount.
- Comes standard with 2 Instant start GE, pro line multi-volt ballasts model number GE332-MV-H.
- Assembled in the USA.
- · Qualifies for most national and regional utility rebates.
- · CEE qualified ballast found standard on most fixture options (Consult factory for details).
- NEC required ballast disconnect is standard.

LISTING - UL/ C-UL listed for damp location.

WARRANTY - Guaranteed for five years against mechanical defects.



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ing inte	ormation E	EXAMPLE: CB-6-3	2-T8				
6	32-T8	В					
LAMPS	LAMP TY	PE.	VOLT	AGE2	# OF BALLAST	BALLAST FACTOR	LAMPS INSTALLED
6	32-T8 -32V	V T8	(Blank) - MV(120 277	DLT (120/277)	(Blank) -2 Ballast 3 -3 Ballasts	(Blank)- High BF NBF- Normal BF LBF- Low BF	(Blank) - No lamps L30K - 30K L41K - 41K L35K - 35K L50K - 50K
			347	EMERGI	ENCY BATTERY P	ACK OPTIONS (L. = LU	MENS)
	PALLACT CONEIL	CHRATION & CODE	400	ORDER C	ODE	DESCRIPTION	
	Survey and the survey of the s	Security of the Security Secur	<u> </u>	EMG-T8-	BX-450	Up to 450 L. for T8 or	BX
	4			EMG-T8-	BX-600	Up to 600 L. for T8 or	BX
	(Blank)		-			Un to 700 L for T8 or	RX
	6 LAMPS	6 32-T6 LAMPS LAMP TV 6 32-T8 -32V	6 32-T8 LAMPS LAMP TYPE 6 32-T8 -32WT8 BALLAST CONFIGURATION & CODE 32W/T8 DESCRIPTION (Blank) Electronic Instant Start	LAMPS	6 32-T8 LAMPS LAMP TYPE VOLTAGE? 6 32-T8 -32W T8 (Blank) - MVOLT (120/277) 120 277 347 480 ORDER C BALLAST CONFIGURATION & CODE 32W/T8 DESCRIPTION (Blank) Bectronic Instant Start EMG-T8-	6 32-T8 LAMPS LAMP TYPE VOLTAGE? # 0F BALLAST 6 32-T8 -32W T8 (Blank) - MVOLT (120/277) (Blank) -2 Ballast 120 3 -3 Ballasts 277 347 480 BALLAST CONFIGURATION & CODE 32W/T8 DESCRIPTION (Blank) Bectronic instant Start EMG-T8-BX-450 EMG-T8-BX-600	6 32-T8 LAMPS LAMP TYPE VOLTAGE ² # 0F BALLAST BALLAST FACTOR (Blank) - MVOLT (120/277) (Blank) - 2 Ballast (Blank) - High BF NBF - Normal BF LBF - LOW BF 277

32W/T8	DESCRIPTION
(Blank)	Electronic Instant Start
EPS	Electronic Program Start
ADV-7	Advance Mark-72
ADV-10	Advance Mark-10 ²
	Advance Optanium ²
ADV-ESS	Advance EssentiaP
ADV-ROVR	Advance Rover ²
LUT-EHD	Lutron Ecosystem H-Series ²
LUT-2W1	Lutron Tu-Wire ²
LUT-EC5	Lutron Ecosystem ²
LUT-EC3	Lutron Eco-10 ²
LUT-TVE	Lutron Tve ²
-	Lutron Hi-Lume 3D ²
•	Lutron Ecosystem (347V Only)

- 1- Requires 3 Ballasts
- 2- Voltage must be specified for dimming ballast.

EMG-ICE-T	B-BX-T5-T5H0-1400	ICE Pack 1400 L. for
WIRING O	PTIONS	
PCSB120	- 10' Nema 5-15R 120	V Straight Blade Plug
PCSB277	- 10' Nema 7-15R 277	V Straight Blade Plug
PCTL120	- 10' Nema L5-15R 12	0V Twist Lock Plug
PCTL277	- 10' Nema L7-15R 27	7V Twist Lock Plug
S01	- 10' 120V/277V SO C	ord
S02	- 10' 480V SO Cord	
C3	- 6' 3-wire Flex Cable (Single Circuit)
C4	- 6' 4-wire Flex Cable (Double Circuit)
(Consult Factor	y for 208V, 248V, 347V and	480V wiring)

EMG-T8-BX-1400

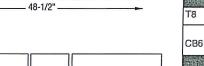
EMG-T8-BX-T5-T5H0-3200

EMG-SD-T8-BX-T5-T5HO-1400

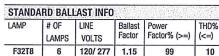
Up to 1400 L. for T8 or BX

Up to 3200 L. for T8,	BX, T5 or T5	5HO
Self-Diagnostic 1400 L	for T8, BX,	, T5 or T5H0
ICE Pack 1400 L. for T	8, BX, T5 or	r T5H0
	OTHER	OPTIONS
V Straight Blade Plug	6WG	- Wireguard
V Straight Blade Plug	6WGCL	- Wireguard with Clear Lens
OV Twist Lock Plug	6WGPL	- Wireguard with Prismatic Lens
	6WGDF	- Wireguard with Door frame
7V Twist Lock Plug	6CLDF	- Clear Lens with Door Frame
ord	6PLDF	- Prismatic Lens with Door Frame
	6GDF	- Gaskeled Door Frame
Single Circuit)	MH	- Mounting Hub
Double Circuit)	GSS	- Gripple Suspension System
3 480V wiring)	GSSP	- Gripple System with Paddles
	VHCH	- V-Hook with chain kit
	СН	- Chain with S hooks
	VH	- V Hook
	MS	- Motion Sensor
	MSPH	- Motion Sensor with Photocell
	GL	- Generic Lamps Installed
	6WHR	- White Reflector

USA - Made in America Compliance



are out the top a cotton 44



Min. Starting Temp (°F/°C) -22/ -30

10

91: ->:

GIGH Bayy Series (93% EFFICIENCY

LET THERE BE LIGHT

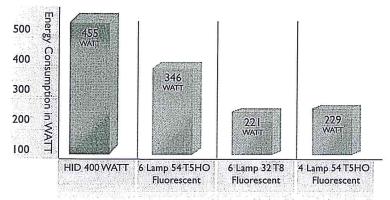
Oracle Lighting is proud to introduce the Cool Beam Series: a new breed of specification grade Fluorescent High Bays complete with mounting, dimming and shielding options, for every application.

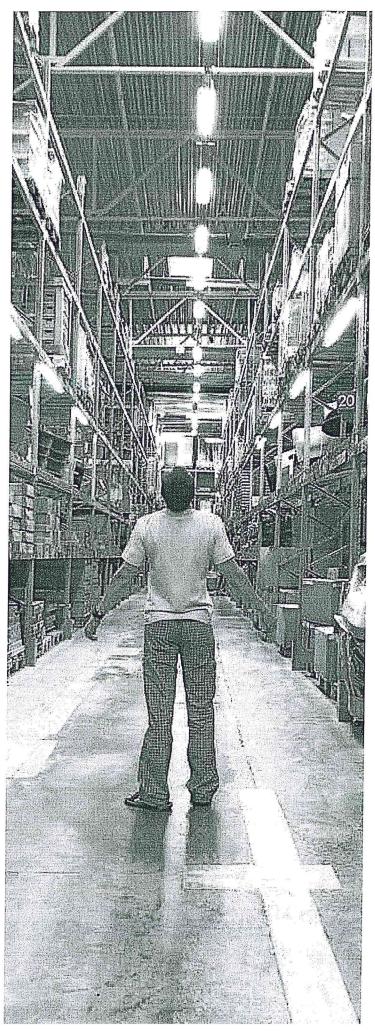
Compared to traditional 400W MH fixtures, our Cool Beam High Bays deliver more usable lumens, require no warm up time, have excellent efficiency in the mid 90's, and provide greater energy savings.

On the next job, make sure you ask about our new Cool Beam Fluorescent High Bay and LETTHERE BE LIGHT!

Energy Saving

ELITE Lighting Fluorescent high bay has designed to offer significant energy saving opportunities over HID light systems.





COOL BEAM HIGH BAY

[capabilities]

ability [abil·i·ty]

the quality of being able to perform; a quality that permits or facilitates achievement or accomplishment.



well known components in the industry such as High Temperature Advance ballast , Leviton sockets, IOTA and Bodine Emergency battery packs.

3. DURABILITY
Post painted high gloss enamel finish ensures maximum adhesion and rust resistance.



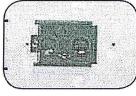
Cool Beam fixtures use only

4. CREDITABILITY

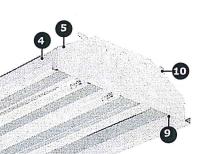
5. CONNECTABILITY NEC required ballast disconnects along with quick disconnects are standard.



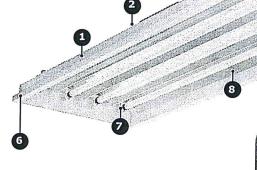
I. RELIABILITY
Slot louvers on each side
ensure that the ballast will
remain cool and operate for
its rated lifetime.



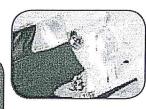
2.ACCESSIBILITY
Full size access plate is located
on the top of the full body for
quick wiring and maintenance.



* CONTROLLABILITY Leviton's fixture mounted sensor provide fast, easy installation and instant energy saving. (Optional Item)



6. MANAGEABILITY
All sides and corner are
turned in removing sharp
edges for safe handling and
installation.



7. FLEXIBILITY
Rotary sockets provide great lamp retention and conceal contacts.



8. REFLECTIVITY
Highly tooled 95% reflective
premium reflector material
is engineered to optimize
the thermal and luminous
environment.



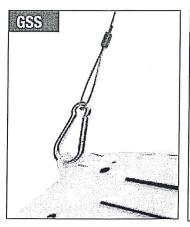
SERVICEABILITY
Reflector, wireguard clear lens
with door frame hinges down
by removing two screws and
allows for quick maintenance
and access to ballast without
removing lamps.



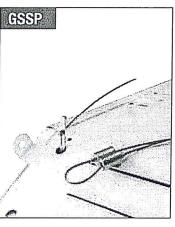
10. SUPPORTABILITY
Four corner tie points are standard for safety wire support when required.



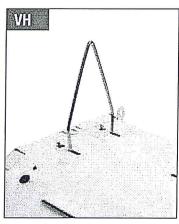
FLUORESCENT HIGH BAY SUPPORTABILITY



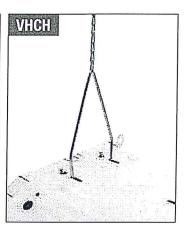
GSS - Gripple Suspension System is fully adjustable for different mounting heights. "Y" style comes standard with 10' length. Other lengths are available upon request.



GSSP - Paddles and tool-less, adjustable looping cable grippers. "Y" style comes standard 10' length. Other lengths are available upon request.

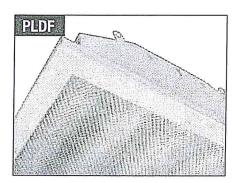


VH - Easy to install V Hooks snap into predrill holes at the top of high bay body and ensure strong support.



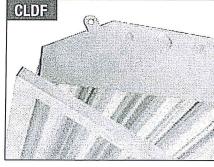
VHCH - Easy to install V-Hook and Chain Kit includes all necessary mounting accessories. Kit includes 2 V-Hooks, 2 chains (32"), 2 S-Hooks for adjustment, and 2 "S" hooks for connecting chain to V-Hooks.

FLUORESCENT HIGH BAY OTHER OPTIONS



PLDF - Acrylic #12 pattern lens attached is fitted into door frame.

Other prismatic lens options available upon request.

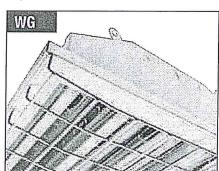


CLDF - Clear Lens comes with door frame and easily swings open for easy lamp replacement.

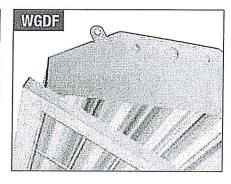


WGCL - Post pointed wireguard with clear lens and door frame.

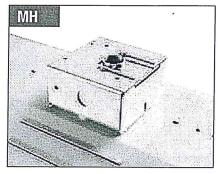
WGPL - Post pointed wireguard with prismatic Acrylic #12 pattern lens and door frame



WG - Post pointed wireguard protects lamps from objects that may impact fixture. Ideal for gymnasiums and sports facilities. Wireguard is held by 4 clips that attach to fixture.



WGDF - Post pointed flat Wireguard with door frame. Protects lamps from being impacted by objects.



MH - Mounting Hub is made from Cast-iron and allows for pendant mounting and acts as junction box. Top Plate slides for balancing and access to wiring. Multiple Knockouts on sides are standard.

4 LAMP, T8 FLUORESCENT HIGH BAY PHOTOMETRICS

TOTAL LUMINAIRE EFFICIENCY: 91.5%

CB-4-32-T8

LAMP: PHILIPS F32T8/TL24/PLUS/ALTO

ZONAL LUMENS SUMMARY ZONE LUMENS %LAMP %FIXT 0-30 3122.26 0-40 4914.42 41.6 45.5 0-60 8492.39 72 78.6 60-90 2305.00 21.4 0-90 10797.87 100

TOTAL LUMINIARE EFFICIENCY = 91.5%

T8 FLUORESCENT HIGH BAY

EFFICIENCY = 91.5%

CAN	DELA TABULAT	ION			
	0	22.5	45	67.5	90
0	4855.44	1 4855,44	4855.44	4855.44	1 4855.44
5	4847.43	4829.82	4802.4	4764.42	4732.73
15	4656.32	4536.17	4135.78	3648.04	3463,38
25	4247.77	3884.23	2965.17	2782.31	2799.98
35	3639.13	2842.46	2480.5	2849.8	2927.85
45	2968.39	2022.35	2388.05	2690.39	2715.56
55	2221.46	1589.74	2034.03	1903.32	1773.34
65	1376.02	1208.15	1141.77	1129.94	1215.27
75	590.74	589.32	803.41	1034.5	1068.81
85	66.3	219.33	240.69	195.82	168.62
90	0	0	0	0	0

SPACING CRITERIA: 1.10

Coefficients of Utilization - Zonal Cavity Method (Effective Floor Cavity Reflectance 0.20)

LAMP LUMENS: 2950

RC RW	70%	80 50%	F 9-1 at 2 11 1849 at 11	10%	70%	70 50%	% 30%	10%	50%	50% 30%	10%	5	0%	30% 30%	10%	50%	10% 30%	10%	0% 0%
ROOM CAVITY RATIO	109 99 90 82 76 70 64 60 56 52	109 95 83 73 65 58 52 48 44 40 37	109 91 76 65 57 50 44 40 36 33 30	109 87 71 59 50 44 38 34 30 28 25	106 97 88 80 74 68 63 58 54 51	106 93 81 71 63 57 51 47 43 40 37	106 89 75 64 56 49 44 39 36 32 30	106 86 70 59 50 43 38 34 30 27 25	102 89 78 69 61 55 50 45 42 38 36	102 86 73 63 55 48 43 39 35 32 29	102 83 69 58 49 43 38 34 30 27	6	97 35 75 66 69 63 18 14 11 77	97 83 71 61 53 47 42 38 34 32 29	97 81 67 57 49 42 37 33 30 27	93 82 72 64 57 51 47 43 39 37 34	93 80 69 59 52 46 41 37 34 31 29	93 78 66 56 48 42 37 33 30 27	92 76 64 54 46 40 35 31 28 25 23

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

6 LAMP, T8 FLUORESCENT HIGH BAY PHOTOMETRICS

CB-6-32-T8

AMP: PHILIPS F32T8/TL	24/PLUS/AI	LTO LAMP	LUMENS: 2950	TOTAL LU	MINAIRE EF	FICIENCY:	92.5%	SPA	ACING CRITER	RIA: 1.16
1100 1200	ZONAL LUN	MENS SUMMARY			CAND	ELA TABULA	rion			
	ZONE	LUMENS	%LAMP	%FIXT	***************************************	0	22,5	45	67.5	90
1990	0-30 0-40 0-60 60-90 0-90	4,731.80 7,453.60 12,688.20 3,683.20 16,371.40	26.70% 42.10% 71.70% 20.80% 92.50%	28.90% 45.50% 77.50% 22.50% 100%	0 5 15 25 35	6961 6933 6721 6244 5446	6961 6946 6708 5979 4585	6961 6959 6311 4640 3917	6961 6946 5706 4333 4098	6961 6906 5461 4355 4117
651	ENERGY CONTRACTOR	NIARE EFFICIENCY = 92			45 55 65	4416 3333 2134	3207 2483 1775	3447 2876 1744	3732 2675 1809	3703 2550 1939
CROSS	MEF	FICIENCY	= 92.5	%	75 85 90	962 115 0	899 382 0	1293 495 0	1677 468 0	1769 427 0

Coefficients of Utilization - Zonal Cavity Method (Effective Floor Cavity Reflectance 0,20)

	RC RW	700/	80 E09/		100/		700/	70		4.00/		E00/	50%	400/		-00 /	30%	4.007			10%			0%
1.00	, NYV	1070	50%	30%	10%		70%	5 0%	30%	10%		50%	30%	10%		50%	30%	10%		50%	30%	10%		0%
	0	110	110	110	110	1	108	108	108	92	1	103	103	103	1	98	98	98		94	94	94	1	92
	1	100	96	91	88		98	93	90	77	1	89	86	84		86	83	81		82	80	79		77
	2	91	83	77	71		89	18	76	65	- -	78	73	69		75	71	67		72	69	66		64
\cong	3	83	73	66	59		81	72	65	55		69	63	58		66	61	57		64	60	56		54
Z	4	76	65	57	51		74	64	56	48		61	55	49	1	59	53	49		57	52	48		46
>	5	70	58	50	44		68	57	49	42		55	48	43		53	47	43		52	46	42		40
\vdash	6	65	53	44	38		63	52	44	37		50	43	38		48	42	38		47	42	37		35
X	7	60	48	40	34		59	47	39	33		46	39	34		44	38	33		43	37	33	1	31
~	8	56	44	36	31		55	43	36	30		42	35	30		41	35	30		40	34	30	l	28
5	9	53	40	33	28		51	40	33	27		39	32	27		38	32	27		37	31	27		25
ROOM	10	49	37	30	25	ı	48	37	30	25	i	36	29	25	i	35	29	25	İ	34	29	25	-	23

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance



Upgrade Summary

		Total			
Total		Energy	Maintenance	10 Yr	Payback
Total Cost (\$) Incentives (\$)	Net Cost (\$)	Savings (\$) 1,2	² Savings (\$)	NPV (\$) ³	Period (yrs)
3,300	3,300	8,386	2,607	5,525	1.3

- 1. Energy cost (\$) = 0.0700/kWh; Annual energy cost escalation (%) = 0.00
- 2. Energy savings are for the 10-year analysis period
- 3. Assumed Cost of capital (%) = 6
- 4. Product Tax Rate (%) = 0.00
- 5. Service Tax Rate (%) = 0.00

There is no data to be presented for Lighting Controls Summary.

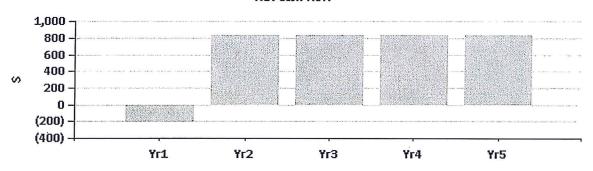


Cash Flow Analysis

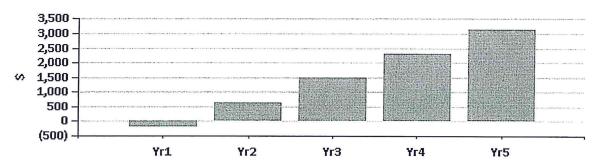
10 Year Cash Flow Analysis (\$)

	Yr1	Yr2	Yr3	Yr4	Yr5
Product Costs	3,300	=	-	-	=
Energy Savings	839	839	839	839	839
Maintenance Savings	2,254	-	-	-	#
Net Cash Flow	(208)	839	839	839	839
Cumulative Cash Flow	(208)	631	1,470	2,308	3,147

Net Cash How



Cumulative Cash How

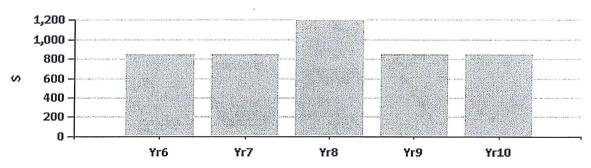




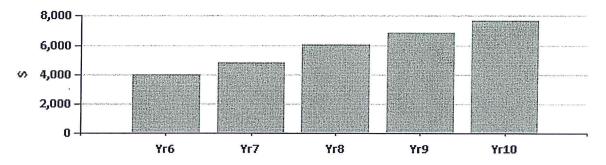
10 Year Cash Flow Analysis (\$)

	Yr6	Yr7	Yr8	Yr9	Yr10	Total
Product Costs		-	-	-		3,300
Energy Savings	839	839	839	839	839	8,387
Maintenance Savings	Ħ	-	354			2,607
Net Cash Flow	839	839	1,192	839	839	7,694
Cumulative Cash Flow	3,986	4,824	6,016	6,855	7,694	7,694

Net Cash How



Cumulative Cash Flow

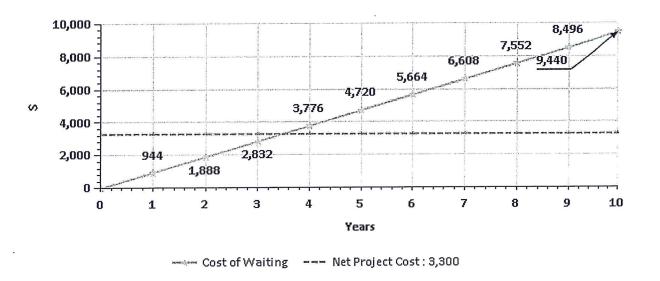




Cost of Waiting

Cost of Waiting

Monthly (\$)	Yearly (\$)	5 Years (\$)	10 Years (\$)	15 Years (\$)	20 Years (\$)
78	944	4,720	9,440	14,160	18,880



^{1.} Cost of waiting includes energy savings and maintenance savings applied as an average annual amount over a 20 year analysis period



Energy Usages and Costs

Annual Energy Usage

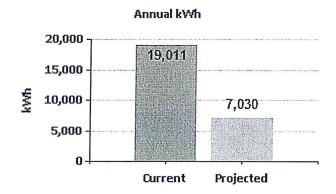
Current	Projected		Current Cost (\$)1,2	Projected Cost (\$) 1,2		Cost Savings (%)
Usage (kWh)	Usage (kWh)	Reduction (%)			Savings (\$)	
19,011	7,030	63	1,330	492	838	63

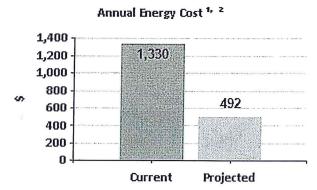
^{1.} Energy cost (\$) = 0.0700/kWh; Annual energy cost escalation (%) = 0.00

Annual Energy Usage Reduction

Current Usage (k	Wh)	Projected Usage (kWh)	Reduction (kWh)	Reduction (%)
19,011		7,030	11,980	63

Energy Comparison





- 1. Energy Cost (\$) = 0.0700/kWh; Annual energy cost escalation (%) = 0.00
- 2. Energy costs are averaged over10-year analysis period

Watts Summary

Existing Watts ¹	Proposed Watts ¹	Reduced Watts	Reduction (%)
9,140	3,380	5,760	63

^{1.} The watts calculations in this table take into account existing fixtures that are being replaced, upgraded, and/or have new lighting controls being proposed for them

Fixture Replacement Wattage Comparison

Area:

Existing Fixture

Space Qty Watts Total Proposed Fixture Qty Watts Total

^{2.} Energy costs are averaged over10-year analysis period



				Watts				Watts
Interior :								· · · · · · · · · · · · · · · · · · ·
High Bay	MH, 400W, Mag Probe	20	457	9,140	T8 High Bay 6L	20	169	3,380
Total(s)			457	9,140			169	3,380

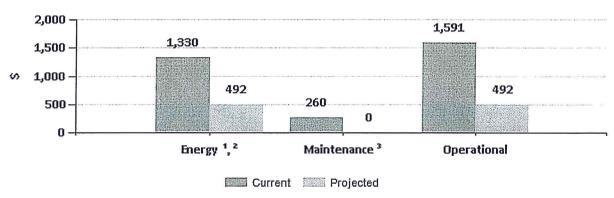
There is no data to be presented for Component Upgrade Wattage Comparison.



Operational Overview

Annual Operational Savings Comparison

Annual Operational Comparison



- 1. Energy cost (\$) = 0.0700/kWh; Annual energy cost escalation (%) = 0.00
- 2. Energy costs are averaged over10-year analysis period
- 3. Maintenance costs are averaged over10-year analysis period



Upgrade Analysis

Fixture Replacement Summary

Existing Fixture	Qty	Proposed Fixture	Qty
MH, 400W, Mag Probe	20	T8 High Bay 6L	20
Total(s)	20		20

There is no data to be presented for Component Upgrade Summary.



Bill of Materials

Products

Luminaire Replacement

Part Number	Short Description	Qty	Cost (\$)	Extended (\$)
CB-6-32-T8-L41K	T8 High Bay 6L	20	135.00	2,700.00
Total(s)				2,700.00

There is no data to be presented for Installation.

Additional Items

Part Number	Short Description	Qty	Cost (\$)	Extended (\$)
CB6-WG	Wire Guard	20	30.00	600.00
Total(s)				600.00

There is no data to be presented for Additional Cost.