



*A Female Owned Business Enterprise*

**LED Light Technology, LLC**

***Lighting the world through innovation***

Office-770-559-0750 [www.LEDLightTech.com](http://www.LEDLightTech.com)



LED Light Technology is certified for corporate minority-owned supplier diversity programs

LED Light Technology Proposal for:

## **Atlanta Facility**

4 Foot LED Tubes

Conversion to LED Based Lighting Fixtures

### **EXECUTIVE SUMMARY**

<b>Prepared for:</b>	<b>Mr. Building Owner</b>
<b>Presented by:</b>	LED Light Technology
<b>Date:</b>	Any Day



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## Atlanta Facility

### Conversion to LED Based Lighting Fixtures

#### Summary of total savings and expenditures of entire project:

##### Breakdown of savings over Life Cycle:

Replacement of Bulb & Ballast/Labor Savings	\$199,999.54
Electricity Savings	\$150,324.17
Utility Credit/Savings	\$3,400.00
EPACT Energy Tax Deduction	\$0.00
State Energy Tax Credit	\$0.00
Depreciation	\$0.00
<b>Total of savings over Life Cycle</b>	<b>\$353,723.72</b>

##### Breakdown of purchase of fixtures- Year one:

Various LED Products	
4 Foot LED Tubes	\$ 29,432.00
<b>Total purchase cost of fixtures- Year one.</b>	<b>\$ 29,432.00</b>
ROI	<b>1102%</b>
Simple Payback in Years	<b>0.74</b>
Internal Rate of Return (IRR)-Return On Investment	<b>134%</b>
Total number of fixtures	<b>500</b>

Fixture Count	LED System Life	
	Hours	Years
500	50,000	8.88

### The cost of waiting to upgrade your lighting system is

Each Month	\$3,319.77
Each Year	\$39,837.21
Life Cycle	\$353,723.72

Customer Name: Atlanta Facility  
 Street Address: Downtown Atlanta  
 City, State Zip: Atlanta, Georgia  
 Prepared for: Mr. Building Owner  
 Prepared by: LED Light Technology  
 Date: Any Day



4 Foot LED Tubes  
 Product: LLT-38-T84-16-4000-F  
 2 lamp to 2 lamp

## Lighting System Financial Calculator

Fixture				Operating Hours				Per Unit Costs			Lamps	Initial Cost	
Type	Qty	Watts	Life	Hrs/Day	Days/Wk	Hrs/Yr	KW/Yr	\$/kw	Lamp/Ballast	Maint	Per Yr	LED	
Existing	500	78	15,000	18	6	5,631	219,614	\$0.1053	\$4.00	\$3.75	375.4	LED Fixture	\$30,400.00
Ballast	1		20,000	18	6	5,631	0		\$55.00	\$55.00	140.8	Sales Tax	\$2,432.00
LED	500	34	50,000	18	6	5,631	95,729	\$0.1053	\$0.00	\$0.00	0.0	Utility Rebate	\$3,400.00
Savings		44					123,885					Total Initial Cost	\$29,432.00
A				B				C			D		

### Required Information:

### Enter Values:

#### Existing Fixtures

Number of Fixtures	500
Number of Bulbs/Fixture	2
Number of Ballasts/Fixture	1

#### Existing Fixture Data

Watts including Ballast	78
Bulb Life in Hours	15,000
Ballast Life in Hours	20,000

#### Lamp Cost

Existing	\$4.00
Disposal Cost/Bulb	\$2.00

#### Ballast Cost

Existing	\$55.00
Disposal Cost/Ballast	\$10.00

#### Maintenance

Cost to Change a Lamp	\$3.75
Cost to Change a Ballast	\$55.00

#### LED Light Tech Data

Number of LED Fixtures	500
Watts per Fixture	34
Life in Hours	50,000

#### LED Fixture Cost

LED Initial Cost	\$60.80
State Sales Tax	8.00% \$4.86

#### Operating Hours

Hours/Day	18
Days/Week	6

#### Operating Hours

LED & Motion	Hours/Day	18
	Days/Week	6

#### Electric Rate

Per kWh	\$0.1053
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#### Depreciation

Corp Tax Rate	0.00%
Depreciation Schedule Years	5

#### EPACT Tax Deduction

See EPACT Tab	\$0.00	35.00%
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#### State Energy Tax Credit

State	\$0.00
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#### Utility Credit

Per Fixture	\$8.00	THIS IS ESTIMATED AND SUBJECT TO UTILITY APPROVAL
Total	\$4,000.00	

Fixture & HVAC		Annual Cost				Annual CO <sub>2</sub>	
Type	Electric	Lamp & Disposal	Ballast & Disposal	Maint	Total	kg	lbs
Existing	\$23,125.32	\$3,501.63		\$1,407.78	\$28,034.73	13,176.8	29,049.6
Ballast	\$3,391.71	◀HVAC	\$9,150.57	\$7,742.79	\$20,285.07		
LED	\$10,080.27	\$0.00	\$0.00	\$0.00	\$10,080.27	5,743.7	12,662.7
Savings	\$16,436.77	\$3,501.63	\$9,150.57	\$9,150.57	\$38,239.54	7,433.1	16,387.0
E		F	G	H	I	J	

Basic Savings		Payback		ROI
Annual	Life	Months	Years	LIFE
	\$349,723.72			
	Net of Fixture			
\$39,386.72	\$320,291.72	9.0	0.75	1088%
K	L	M	N	O

Hours	50,000
Years	8.88
	P

Savings For EPACT, Depreciation, State & Utility Incentives	
Q	\$0.00
EPACT Energy Tax Deduction	
	\$0.00
R State Energy Tax Credit	
	\$4,000.00
S Utility Incentive	
	\$0.00
T	Annual Depreciation

After Incentives Savings		Payback		ROI
Year1	Lifetime	Months	Years	LIFE
	\$353,723.72			
	Net of Fixture			
\$43,386.72	\$324,291.72	8.87	0.74	1102%

Kwh Savings	
Annual	Lifetime
123,885	1,100,000
U	V

Carbon Reduction Pounds	
Annual	Lifetime
16,387	145,504

The cost of waiting to upgrade your lighting system is

Each Month \$3,319.77

Each Year \$39,837.21

Life Cycle \$353,723.72

Customer Name: Atlanta Facility  
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4 Foot LED Tubes  
Product: LLT-38-T84-16-4000-F  
2 lamp to 2 lamp

## Lighting System Financial Calculator

- A Reduction in Watts per Lamp
- B Annual Reduction of Watts used based on operating hours
- C Number of Replacement Lamps Saved Each Year
- D Total Investment to Upgrade to LED Light Technology
- E Energy Savings resulting from Reduced Electric Consumption for Lighting and HVAC-Assumes 4% Inflation/Year.
- F Annual Lamp Cost Saved
- G Ballasts Replaced Each Year Assuming 5 Year Average Rated Life
- H Maintenance Savings (based on estimated cost per bulb and ballast for replacement)
- I Total Annual Cost savings
- J Total Reduction of CO<sub>2</sub> Pollution (based on CO<sub>2</sub> Pollution from Energy Production)
- K Annual Savings (with 4% Inflation factor)
- L Savings over the life of the LED Light Technology System vs. Traditional Net of Cost of LED Fixture
- M Payback Period in Months for LED Light Technology System Investment
- N Payback Period in Years for LED Light Technology System Investment
- O Return On Investment for LED Light Technology System Investment
- P LED Lighting System Lifetime Reliability. 70% Of Initial Light Output at 50,000 Hours.
- Q EPACT Energy Tax Deduction
- R State Energy Credit
- S Utility Energy Rebate-Subject to Utility Approval & Changes
- T Depreciation Calculated at System Installed Cost x Corporate Tax Rate / Scheduled Years
- U LED Lighting System Lifetime kWh Saved
- V Utility Incentive

**Atlanta Facility**  
**Internal Rate of Return (IRR) Calculator**  
**Any Day**



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Operational Costs	Value
Cost of equipment	\$29,432
Energy Savings	\$150,324
Maintenance Savings	\$200,000
Depreciation	0
Residual Value	\$2,943
Interest rate	5%

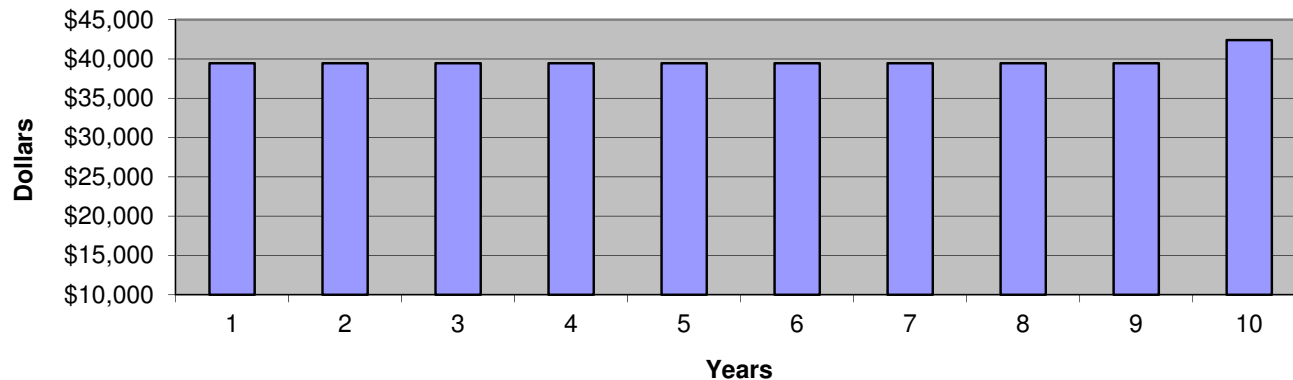
**LED Light Technology is a female owned business enterprise which qualifies all purchases for minority business credits.**

Gray cells will be calculated for you or do not require any input.

**LED Light Technology CONFIDENTIAL**

Term in years	Expenses			Income				Cash flows
	Fixed costs	Other costs	Total	Energy Cost Savings	Maintenance Cost Savings	Residual Value	Total	
0	\$29,432	\$0	\$29,432	\$0	\$0	\$0	\$0	\$29,432
1			\$0	\$16,930	\$22,524		\$39,454	\$39,454
2			\$0	\$16,930	\$22,524		\$39,454	\$39,454
3			\$0	\$16,930	\$22,524		\$39,454	\$39,454
4			\$0	\$16,930	\$22,524		\$39,454	\$39,454
5			\$0	\$16,930	\$22,524		\$39,454	\$39,454
6			\$0	\$16,930	\$22,524		\$39,454	\$39,454
7			\$0	\$16,930	\$22,524		\$39,454	\$39,454
8			\$0	\$16,930	\$22,524		\$39,454	\$39,454
9			\$0	\$16,930	\$22,524		\$39,454	\$39,454
10			\$0	\$16,930	\$22,524	\$2,943	\$42,397	\$42,397
				Net Cash Flow =				\$368,054.18
				Total Savings=		\$397,486.18	IRR =	134.03%
				Net Savings=		\$368,054.18		

**Internal Rate of Return**





Mr. Building Owner  
Atlanta Facility  
Downtown Atlanta  
Atlanta, Georgia

Any Day

**Tririga Project Number:**  
**Conversion to LED Based Lighting Fixtures**

Mr. Building Owner

This quotation is for the subject project. Please send a purchase order for LED Light Technology.

PRODUCT	Description		Project Cost
Conversion to LED Based Lighting Fixtures	Various LED Products		\$30,400.00
	Sales Tax	8%	\$2,432.00
	Project Total		<b>\$32,832.00</b>

<b>Payment Amount Note:</b> After Energy Rebate of -\$3,400.00 Final Cost is <b>\$29,432.00</b>

**Notes:**

Delivery lead time frame is 1 to 8 weeks ARO.

Product Terms: Net 30 Days from Date of Invoice with Credit Approval or by Credit Card.

Ship: FOB Atlanta, GA

LED Light Technology standard terms & conditions apply.

Purchase Orders should be faxed or e-mailed to our Johns Creek, Georgia office.

We appreciate the opportunity to provide this LED lighting solution.

For further assistance or have additional questions, please contact us.

Sincerely,

*Dan*

Dan Falzone

President

**LED Light Technology, LLC**

Office-770-559-0750

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