



*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 Company Overview

**WE WILL FORTIFY YOUR BALANCE  
SHEET**

# LED Light Technology....

- ▶ A pioneer in the LED industry since 2006.
- ▶ Specializing in new construction LED Fixtures and LED retrofit solutions for existing fixtures.
- ▶ Assisting Fortune 500 customers in increasing their bottom-line savings and eliminating time and maintenance associated with traditional lighting systems.
- ▶ Focused on LED solutions for energy saving and environmental needs.
- ▶ Collectively our executive team has over 70 years in the lighting business coming from backgrounds such as GE, Philips, and Cree. This give us a vast understanding of both traditional and LED lighting.
- ▶ Based in Johns Creek, Georgia with offices in Florida and California. Our Sales Team is located throughout the United States.

# LED Applications



Office  
Buildings



Retail Stores

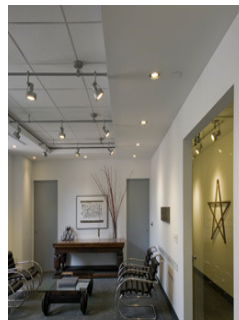


Data  
Centers

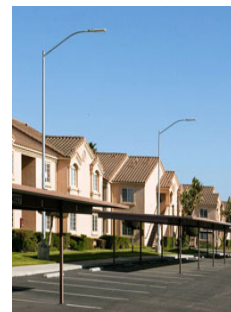
**"We at Macy's, Inc. are believers in the value of LED lighting. Our company has installed about 1.1 million LED bulbs in more than 800 Macy's and Bloomingdale's stores across the country since 2010. This has helped us to cut the energy consumption used in lighting by up to 73 percent compared to the conventional bulbs they replaced," said Bill Lyon, Macy's vice president for energy management. "Investing in LED lighting has been a very smart decision from both a business standpoint and for its positive impact on the environment."**



Parking  
Garages



Interior Office  
Spaces

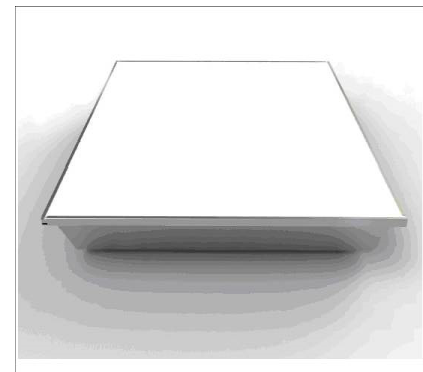
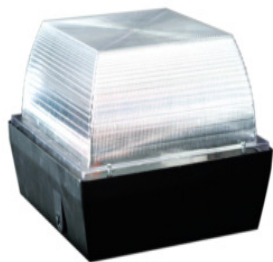


Street & Parking  
Lots



Residential

With LED Light Technology's complete line of LED replacement fixtures, lamps and tubes the time is now to upgrade your commercial environment with the latest energy-efficient lighting products.



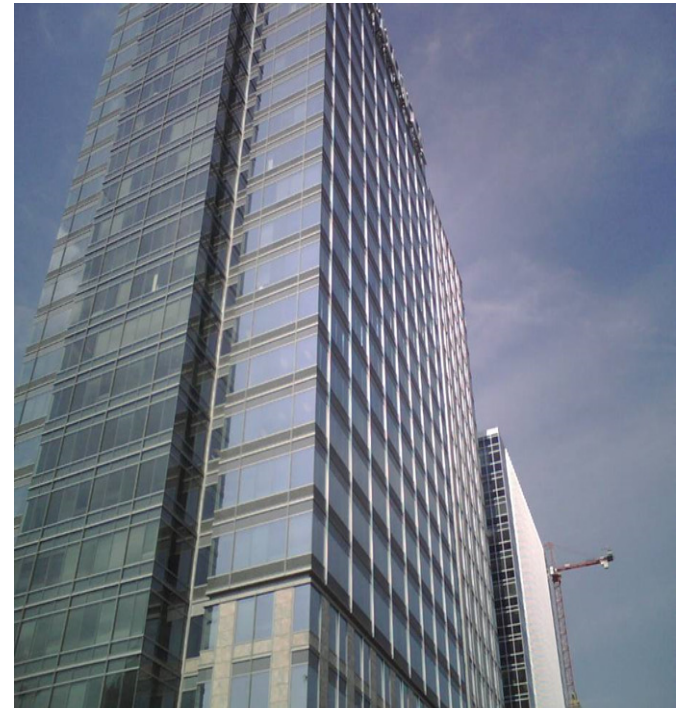
# Why Use LED and LED Light Technology??

- ▶ Energy Savings. **LED lighting will reduce your energy use by 50% or more.**
- ▶ Long life means fewer lamp replacements vs. standard light sources. **LED lighting virtually eliminates maintenance, ballasts & bulbs costs.**
- ▶ LED lamps contain no lead or mercury and are RoHS compliant.
- ▶ Time and money spent on replacement of bulbs and ballast required by traditional lighting can be deployed to more useful projects.
- ▶ Short paybacks! Decreased energy and maintenance costs, combined with utility rebates, deliver results that often exceed your expectations.

**WE WILL FORTIFY YOUR BALANCE SHEET  
by  
Reducing your Owning & Operating Cost of Lighting**

# Office Building Example

- ▶ Candidate for Improved Operating Efficiencies
- ▶ Current Light Levels Below Comfort Zone
- ▶ Transition to LED Lighting Improves Image
- ▶ Needs to Save Energy and Maintenance Costs



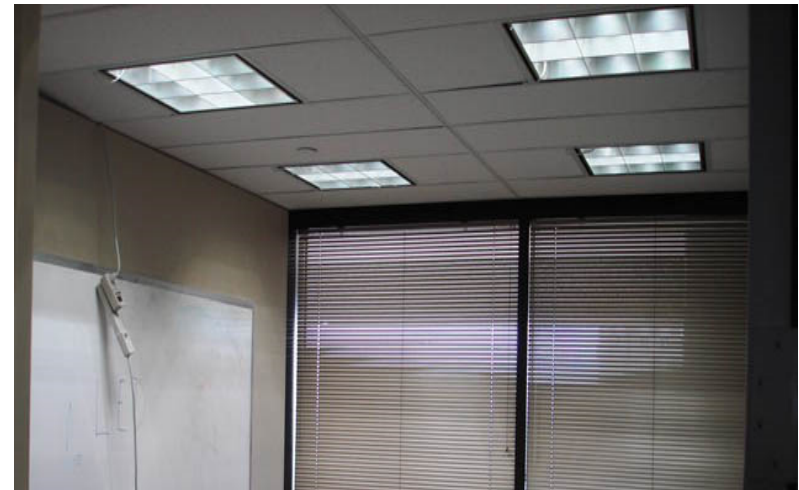
# Traditional Lighting Source: 2x2 U Tubes

- ▶ Existing Fluorescent 2X2
- ▶ ~48 Watts Consumed/Fixture
- ▶ Constant Burn-Outs Lamp & Ballast replacement
- ▶ Fluorescents are inefficient and ballasts create heat
- ▶ Low Light Levels-Appeared Dingy and Dull!



# LED Results

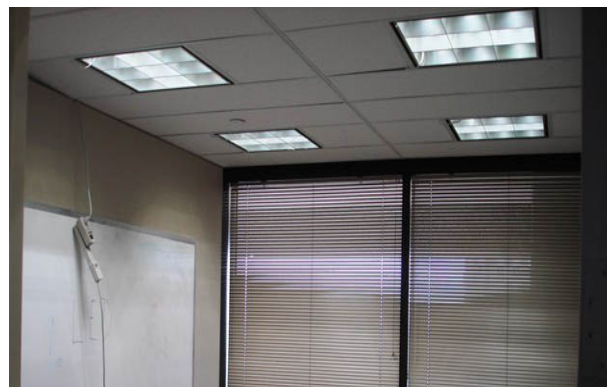
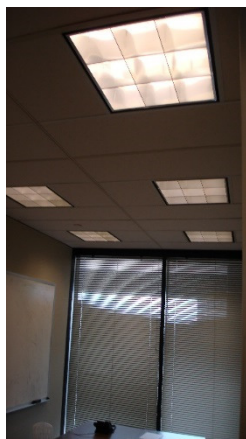
- ▶ Retrofit LED 2X2
- ▶ ~24 Watts/Fixture
- ▶ LEDs 50,000 Hour Reliability
- ▶ Virtually No Heat and No Maintenance
- ▶ Clean 4000<sup>0</sup> K Color
- ▶ More than Double the Light
- ▶ Comfortable Light Levels-Appears Clean and Vibrant!



# Light Level Measurements In Foot-candles at Desktop

	Before	After
	Fluorescent	LED
Room Window Area	33 FC	56 FC
Room Center	21 FC	60 FC
Room Near Door	18 FC	56 FC

**Much More Uniform Light Levels Across The Room!**



- Average of 24 FC verses 57 FC
- 2.38 times MORE Light using  $\frac{1}{2}$  the Energy

# Economics of LED Light

▶ 38,000 Fixtures	<u>LED Impact</u>	
▶ Energy Savings	\$5,747,538	
▶ Maintenance Savings	\$11,961,287	(Bulbs/Ballast/Labor)
▶ HVAC Savings	<u>\$1,186,000</u>	
▶ Total Savings	\$18,894,825	
▶ Retrofit Installed Cost	<u>\$4,560,000</u>	
▶ Net Savings	\$14,334,825	
▶ ROI/IRR/Simple Payback	294%/32.33%/2.9 Years	
▶ Assumes Lights Operate 12 Hours/Day 7Days/Week		
▶ 11.42 Year Life Cycle		

The rule of thumb for savings in air conditioning cost is 1kw-hr for each 1.5 kw-hr in reduction of lighting load.

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

Each Month	\$135,811.30	Each Year	1,629,735.58	Life Cycle	\$18,605,306.95
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# LED Light Tech Retrofit Program for Data Center 2x4 3 Lamp Fluorescent Fixtures



# Financial Analysis-Data Center

## 2x4 - 3 lamp

▶ 1,000 Fixtures	<u>LED Savings</u>
▶ Energy Savings	\$368,675
▶ Maintenance Savings (Bulbs/Ballast/Labor)	\$361,955
▶ HVAC Savings	<u>\$76,076</u>
▶ Total Savings	\$480,946
▶ Retrofit Installed Cost	<u>\$130,500</u>
▶ Net Savings	\$350,446
▶ IRR/ROI/Simple Payback	99.81%/469%/1 Year
▶ Assumes Lights Operate 24/7	
▶ 5.71 Year LED Life Cycle	

**Greatly reduces electrical consumption and  
associated heat!**

For additional savings  
combine LED with energy  
saving control systems...



# Next Steps...

- ▶ Evaluate your properties.
  - ▶ Lighting Fixture Schedule & Brief Survey Form
- ▶ Recommend LED Light Technology solutions.
  - ▶ Interior & Exterior
- ▶ Prepare lighting system comparative financial analysis.
  - ▶ Use customer metrics for accuracy
- ▶ Develop properties implementation plan.
- ▶ Join the LED lighting revolution which will reduce energy consumption, improve our environment and strengthen your balance sheet.
- ▶ LED Light Technology is a WBENC minority female owned company which supports corporate diversity programs.

# THANK YOU

## QUESTIONS?

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