



ThinkLite[®]
ReThink. ReLite.

THE INDUSTRIAL LIGHTING RETROFIT EXPERTS



About Us

ThinkLite is a global lighting efficiency company that custom designs, manufactures, distributes, and installs energy efficient retrofit solutions. Our efficient lighting products leverage advanced LED technologies that specifically adapt to existing infrastructures.

ThinkLite retrofit solutions often let you keep your current fixture, saving money on energy, maintenance and disposal.

Our unique manufacturing capabilities enable us to retrofit most existing fixtures.

ThinkLite's clients span 14 different countries and range from local delis to Fortune 500 companies.

- Why change the entire fixture when you can just change the lamp?
- Most of the time, it is only the lamps and ballast that are obsolete and inefficient. Most fixtures are in good shape, and **do not need to be changed.**
- In most LED and efficient lighting upgrades, up to **80% of the cost is associated with a new fixture.**
- At ThinkLite, we specialize in creating a replica of the **existing light bulb**, such that only the lamps will need to be replaced. This is a **plug-and-play solution** which allows the **existing fixtures to be maintained.**
- Reduce energy consumption by up to 70% by retrofitting LED lamps into the fluorescent and HID fixtures
- As a result of keeping the existing fixtures intact, the average breakeven of a ThinkLite LED project is 2 years, versus the industry average of 5 years.

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Notable Clients



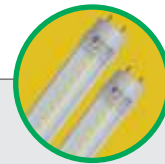
Certifications



ThinkLite Products have the following certifications:



- All solutions provided by ThinkLite are eligible for **utility rebates** wherever applicable.
- All ThinkLite Products are manufactured and assembled in plants that conform to ISO 9001: 2008 standards.
- LM79, LM80 and original IES files for all products available upon request.

Why change the entire fixture when you can just change the lamp?



	 Fluorescent T12, T8 and T5 Tubes	 ThinkLite LED T12, T8 and T5 Tubes
Technology	Fluorescent technology	ThinkLite LED Technology
Wattage	–	40-60% less than fluorescent
Average Lifespan	18,000 hours	70,000 hours
Lumen Depreciation and Color Loss	40% over lifetime	5% over lifetime
Instant On/Off (Motion Sensor)	Yes- Reduces lifespan of ballast	Yes- does not affect lifespan
Color Rendering Index (CRI)	78	93
Additional Details	–	<ul style="list-style-type: none"> • Available in all sizes from 2 ft to 8 ft • Matches color and brightness of a brand new fluorescent

ThinkLite LED Driverless Technology

- All LED lamps require a driver to power the LEDs (similar to how fluorescent lamps need a ballast).
- The driver creates heat, limiting the light output and longevity of the LEDs it powers.
- ThinkLite LED tubes use proprietary driverless LED technology.
- This driverless technology allows ThinkLite LED tubes to be the first to finally produce a tube that outputs as much light as a brand new fluorescent lamp (**180 lumens/watt**) while lasting for 70,000 hours.



Traditional Driver

- 156 components on circuit board generate significant heat

ThinkLite AIC chip

- Produces 90% less heat than driver
- Elimination of driver creates room for maximum surface area heat sink with better heat dissipation

TL LED T8 Optimized Heat Dissipation System

Typical hollow heat sink design to accommodate driver



Enhanced heat sink with advanced thermal management capabilities enables higher efficacy

Air Xchange



Saved
122,040
kWh/Year



Saved
\$27,737
Per Year



1.87
Year Payback
after Rebate

AirXchange is a leader in energy recovery ventilation. Their products are used in broad range of OEM HVAC applications allowing HVAC systems to run more efficiently and to dramatically improve inside air quality. After evaluating several LED options in the marketplace, they chose ThinkLite LEDs to achieve efficiencies within their own manufacturing facility. The ThinkLite solution reduced the energy consumption for lighting by nearly 60% while providing improved, long term maintenance opportunity. ThinkLite also secured a substantial rebate that brought the project payback to less than two years.

Island Exterior Fabricators



Saved
517,608
kWh/Year



Saved
\$133,147
Per Year



1.17
Year Payback
after Rebate

Island Exterior Fabricators offers the most advanced prefabrication technology for building facades available today. The manufacturing facility was formerly occupied by the US Navy and a major aircraft manufacturer. To keep up its technology edge, Island Exterior Fabricators chose ThinkLite T8 and T5 LEDs to replace metal halide and fluorescent lighting systems. This resulted in significantly energy savings with improved light quality, eliminating lamp and ballast maintenance for the life of the solution.

J Kings



Saved
259,212
kWh/Year



Saved
\$68,830
Per Year



1.42
Year Payback
after Rebate

“The difference is NIGHT and DAY! Our guys noticed how clean and bright it was right away. They can see the SKU numbers on the top shelf with no problem and productivity has gone up! This lighting retrofit is part of our green effort - which is really important to us - and the savings are amazing. This is a win-win-win”

Kevin Carro
Facilities Manager

Reilly Windows and Doors



Saved
89,964
kWh/Year



Saved
\$21,673
Per Year



1.8
Year Payback
after Rebate

“This was exactly what we needed. Our warehouse was dim and it was always a problem to change the lightbulbs. It was constantly affecting our work. Now this place is brighter than ever, we have a lot more money in our pocket and everyone is thrilled.”





Audrius Levisaukus
Facilities Manager



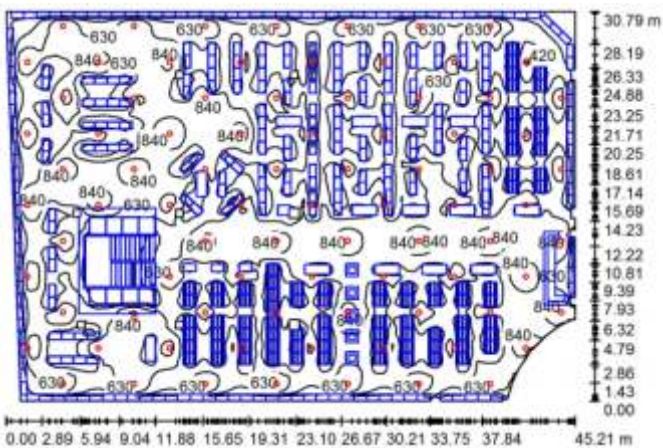
Lighting Quality and Safety

- ThinkLite lamps will **not interfere with any electronics, wireless signals or machinery** in any setting.
- ThinkLite lamps produce an even distribution of light, so that the entire area is illuminated, not just the floor. This makes it easier for the labels on the top shelves to be read.
- ThinkLite lamps have best in class CRI, which improves visibility in the aisles even at high ceiling heights. Good quality lighting can prevent accidents and improve safety.
- All ThinkLite LEDs are mercury free and are designed with polycarbonate covers instead of glass, making them shatter-proof. **They are ideal for facilities that contain food, medicine, and other FDA regulated items.**
- ThinkLite lamps are safer to use than metal halides, which radiate a high concentration of UV rays. Being exposed to UV rays for extended periods of time can be harmful.
- ThinkLite lamps are built to optimally operate from -36°C to 55°C and thus have a variety of applications.



	 Metal Halide	 ThinkLite LED Pod and CornLite
Technology	HID	ThinkLite LED
Wattage	Varies	60% less than metal halide
Average lifespan	20,000 hours	50,000 hours
Lumen depreciation	40% over lifetime	5% over lifetime
Sharpness of Light (CRI)	85	93
Instant on/off	✗	✓
Adjustable beam angle	✗	✓
Additional details	None	<ul style="list-style-type: none"> • 1-for-1 direct replacement for HID lamp and ballast • Even distribution of light
Light Efficiency (Coefficient of Utilization)	 Metal Halide CU = 79%	 LED Pod CU = 95%

Lighting Simulation



- ThinkLite can create a point-to-point simulation of any industrial space to optimize the light levels necessary in the facility.
- ThinkLite will recommend the optimal layout and wattage for any space using DIALUX® to simulate light levels.
- These tools ensure maximum savings and perfect light quality, tailored to each facility.

The World's Most Efficient LED Retrofit Kit

TL LED Retrofit Kit consists of:

- TL LED Source
 - G90 Tombstone Sockets
 - Independent Optical System
- This solution prevents "snap-back" and is categorized as a retrofit kit
 - 180 lumens per watt; 93+ CRI
 - Available with dimming capabilities
 - Available with internal battery supply for emergency fixtures
 - Instant on/off
 - 7 year warranty; 70,000 hour lifespan



Easy and cost effective to maintain



Also available in 360° beam angle for direct/indirect fixtures



Simpler and quicker installation than traditional kits



Promotes safety and prevents snapback hazard



No need to replace existing fixtures, covers, lenses etc.



Qualifies for all retrofit kit incentives