

Food Storage Warehouse

Las Vegas, NV



BEFORE

AFTER

"Las Vegas hotel will use 70% less lighting energy in their dry food storage warehouse by retrofitting their T12 strips."



The Situation:

Hotel and Casino in Las Vegas, Nevada, looking to reduce increasing maintenance and energy costs recognizes that replacing obsolete light technologies and retrofitting dim T12 fluorescents with a greener LED option will deliver bright, high-quality light, while helping reduce energy consumption and costs. The current lighting was dingy, making it difficult to see and conditions less safe for employees.

The Solution:

FSC Lighting's L8500 Series LED Strip was chosen to replace T12 fluorescent fixtures throughout the warehouse, dropping lighting costs by 70%. Lighting energy usage was cut by more than 318K kWh per year; a total savings of \$31,862 annually. In addition to the direct lighting and maintenance savings, the facility can benefit from installing a cooler light source, which often times reduces HVAC costs. The key to longevity is proper thermal management; individual heat sinks on the L-Bar provide a rated life of 203,000 hours and have the ability to withstand the demanding 24/7 run time in Las Vegas heat. The difference between the existing T12 strips and FSC's LED solution was noticeable immediately; the quality of light was drastically improved from a dreary yellow to an aesthetically pleasing natural white.

L8500 Series LED Strip Features:

- Projected L70: 398,000 hours
- Daylight harvesting, bi-level/step dimming, occupancy sensors, & emergency battery back-up options
- Energy efficient – up to 90% savings over current lighting costs
- Available in standard & high lumen output

	EXISTING	REPLACEMENT
TECHNOLOGY	Fluorescent	LED
SYSTEM	2 Lamp T12 Strips	LED Bar Strip
TOTAL SYSTEM ENERGY USAGE	144	28
CONTROLS	None	Auto Demand Response Dimming
TOTAL ANNUAL kwh	450,334	131,715

FSC Lighting delivers RESULTS:

ANNUAL ENERGY COST SAVINGS:

\$31,862

ANNUAL ENERGY SAVINGS:

318,619 kWh