



Food Storage Warehouse



BEFORE



AFTER

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

Subject: Dry Food Storage Warehouse
Location: Las Vegas, NV
Description: 357 - 25WT L-Bar Strip

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.

	EXISTING	REPLACEMENT
TECHNOLOGY	Fluorescent	LED
SYSTEM	2 Lamp T12 Strip	L-Bar Strip
TOTAL SYSTEM ENERGY USAGE (watts)	144	28
CONTROLS	None	Auto Demand
TOTAL ANNUAL kwh	450,334	131,715

RESULTS:

ANNUAL ENERGY SAVINGS:

318,619Wh

ANNUAL ENERGY COST SAVINGS:

\$31,862

Powered by:



For more information about the L8500 Series and more FSC LED products call 909-948-8878