

CASE STUDY



Fulfillment Center

Foothill Ranch, CA



95 LED Strips Replace T8 Fixtures

The Situation:

Global sports apparel retailer looking to replace existing obsolete fluorescents in their Foothill Ranch facility, opts to use LED lighting to create a more even distribution of light and provide improved clarity when reading product labels. Motivated management was eager to retrofit using a more energy-efficient solution that would create a consistent look while reducing both energy and maintenance costs as they are designed to last almost 400,000 hours.

The Solution:

After performing a mock-up of multiple competitive products and analyzing their performance, FSC's L8500 Series LED luminaire was selected. The project consisted of replacing 95 fluorescent fixtures consuming 112-watts each with 28-watt L8500 Series LED fixtures; this decision would not only lead to energy reduction, but also cost savings of over \$4,000 annually.

Replacing lighting with more energy-efficient options is one of the most practical upgrades a company can make to save energy, reduce costs and lower carbon dioxide emissions. Upgrading with FSC's LED luminaires, has increased overall efficiencies and performance to provide a safe and well-lit environment.

"Global Sports Apparel Retailer will save 75% in lighting costs by retrofitting their existing fluorescent strips."



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
- Narrow & medium reflectors optimized for high-bay aisle application

	EXISTING	REPLACEMENT
TECHNOLOGY	Fluorescent	LED
SYSTEM	4 Lamp T8 Strips	LED L-Bar Strips
TOTAL SYSTEM ENERGY USAGE	112	28
CONTROLS	None	Occupancy Sensor
TOTAL ANNUAL kwh	39,836	9,959

FSC Lighting delivers RESULTS:

ANNUAL ENERGY COST SAVINGS:

\$4,183

ANNUAL ENERGY SAVINGS:

29,877 kWh