



3,500- LED Strips

2,100- LED High Bays

"Apparel retailer saves 86% energy consumption at 2 million square foot campus."



LEHB LED High Bay Features:

- Projected L70: 180,000 hours
- Sensors can be integrated for additional energy savings
- Wireguard, emergency battery back-up and step dimming optional
- UL Listed and DLC Premium Listed
- 50°C Ambient Temperature Rating
- Low maintenance & energy efficient

The Situation:

Major apparel retailer in Fresno, CA was so pleased with the performance of the L-Bar retrofit in their pick modules in phase I of a lighting retrofit they decided to move forward with phase II. The client decided to retrofit all pick modules, mezzanine and conveyor applications as well as retrofit all fluorescent and metal halide high bays at their 2 million square foot campus.

The Solution:

FSC Lighting's L8500 series strip and LED High Bay series were chosen to retrofit the 112-watt fluorescent strip. The high bay solution was a unique 2 for 1 design. Approximately 4,200 fluorescent high bay fixtures, 147 watt T8 & 234 watt T5HO, were removed and 2,100 LED 137 watt high bays were installed throughout the warehouse, at 39' mounting heights. This unique solution slashed operating costs while enhancing the visual appeal of their vertical racking. In addition to a massive energy load reduction, a lighting control strategy was implemented, complete with occupancy sensors, dimming controls and photocells. By retrofitting their existing fluorescents with FSC Lighting's LED solutions, this major retailer will use 3,332,044 fewer kilowatt hours (kWh) per year, an annual savings of approximately \$298,436. As an added benefit the L8500 LED fixtures qualified for a Tier 2 LEDA incentive of \$750,000 and a PG&E ADR of \$150,000. Annual energy cost savings coupled with the substantial rebate guarantees a pay-back 2.3 years.

	EXISTING	REPLACEMENT
TECHNOLOGY	Fluorescent	LED Fixtures
SYSTEM	4L T8 Strips 4L T8 High Bay 4L T5HO High Bay	LED Light Bar Strip LEHB LED High Bay
TOTAL SYSTEM ENERGY USAGE	212/147/234	28/137
CONTROLS	None	Occupancy Sensor Dimming Photocells
TOTAL ANNUAL kwh	3,866,290	534,246

FSC Lighting delivers RESULTS:

ANNUAL ENERGY COST SAVINGS:

\$298,436

ANNUAL ENERGY SAVINGS:

3,332,044 kWh