

CASE STUDY



Manufacturer

Kewaskum, WI



BEFORE: 186 Fluorescents

AFTER: 122 FSC LEHB LED High Bays

"Manufacturer will save 45% on lighting costs by retrofitting their existing fluorescent strips."



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:

Manufacturer in Kewaskum, WI, looking to maximize their energy savings, upgrades their existing fluorescent high bays to a more efficient LED solution. The client was able to improve light levels, providing a suitable work environment while at the same time reducing energy usage and cutting down on electricity costs.

The Solution:

FSC Lighting's LEHB Series replaced 224 watt fluorescent high bays throughout the facility, dropping lighting costs 45%. The manufacturer was able to eliminate a third of the fixtures, bringing the count from 186 to 122. Following the replacement of fluorescent high bays with FSC's 158 and 106 watt LED solution, the customer was able to use 76,943 fewer kilowatt hours (kWh) per year. A savings of approximately \$11,324 annually based on \$0.12 kWh rate. As an added benefit, the new fixtures were equipped with occupancy sensors which will provide further savings. By converting to the FSC LEHB with a 180,000 hour rated life, maintenance has all but been eliminated. Lighting and maintenance costs were lowered as light levels increased from 25FC to 32FC.

FSC Lighting delivers RESULTS:

ANNUAL ENERGY COST SAVINGS:

\$11,324

ANNUAL ENERGY SAVINGS:

96,379 kWh

	EXISTING	REPLACEMENT
TECHNOLOGY	186- Fluorescent	122 LED Fixtures
SYSTEM	6 Lamp T8 High Bay	LED Bar Strip
TOTAL SYSTEM ENERGY USAGE	224	158/ 106
CONTROLS	None	Occupancy Sensor
TOTAL ANNUAL kwh	173,322	76,943

For more information about the LEHB High Bay and more FSC LED products call 909-948-8878