

CASE STUDY



United Erecting of Wisconsin Kiel, WI



"Relocation shop saves 67% in energy consumption in addition to sensor savings in warehouse application."



LEHB Series 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:

United Erecting is a nationwide full service plant relocation company based out of Kiel, Wisconsin. When inefficient, outdated lighting began to cause issues on the warehouse floor, management set out to find newer technology to upgrade. Another contributing factor to the low quality of light was the degradation of the lenses, which had faded and discolored with time reducing clarity.

The Solution:

FSC Lighting's LEHB High Bay was chosen to replace both the T12 fluorescents and Metal Halide fixtures, reducing operating costs while enhancing foot candle readings. LED technology has significantly higher lumen maintenance, improved uniformity of illumination, and higher color rendering index (CRI) over both metal halide and T12 lamps, resulting in improved safety conditions. FSC's 106 watt LED High Bay will use 13,057 fewer kilowatt hours (kWh) per year, an annual savings of approximately \$1,436. In addition, since FSC Lighting's LEHB LED high bay thrives in low temperatures, it was a clear choice to illuminate a warehouse in the heart of Wisconsin where temperatures tend to be extremely low.

	EXISTING	REPLACEMENT
TECHNOLOGY	Fluorescent/ Metal Halide	LED
SYSTEM	T12 Strips/ HID High Bay	LEHB Series
TOTAL SYSTEM ENERGY USAGE	158/ 460	106
CONTROLS	None	Occupancy Sensor
TOTAL ANNUAL kwh	19,506	6,449

FSC Lighting delivers RESULTS:

ANNUAL ENERGY COST SAVINGS:

\$1,436

ANNUAL ENERGY SAVINGS:

13,057 kWh

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