



FACILITY

Large manufacturing plant using primarily T12 fluorescent and HID lighting.

RENOVATION RESULTS

Annual energy savings:
\$155,000

Decrease in kWh:
32%

Payback:
3.1 years

Payback after EPAAct:
2 years

Manufacturing Facility Reduces Energy Consumption by 30%; Gains 20% More Light Throughout Facility

A 1.1 million sq. ft. manufacturing facility in Findlay, OH was using more than 5,168 lighting fixtures, each operating about 8,390 hours per year throughout the production, warehouse and office areas. Not only was the lighting scheme inefficient, the multiple layers of lighting added over the years resulted in a poor visual working environment for employees.

A facility-wide lighting audit was conducted to evaluate the operating factors including environmental conditions and tasks performed in each area. The recommendation included standardizing on three different fixture types to accommodate the variety of tasks, and to help maximize energy efficiency results while streamlining ongoing maintenance.

This solution provided 20% more light throughout the facility, while reducing energy consumption by more than 30%. In addition, from beginning to end, the renovation process was completed in less than six weeks with minimal disruption to the manufacturing operations.

As North America's leading provider of lighting renovation solutions, Acuity Brands has renovated the lighting in more than 10,000 facilities, saving customers more than \$185 million annually with an average energy savings of 35% per facility.