

**FACILITY**

600,000 sq. ft. warehouse containing T8 fluorescent lighting in multi-lamp in 8-ft. strips

RENOVATION RESULTS

Annual energy savings:
\$93,000

Decrease in kWh:
20%

Payback:
2.2 years

Return on investment:
46.2%

Warehouse Achieves Lighting Renovation Payback in Just Over 2 Years

Rising energy costs combined with the availability of new lighting technology provided an opportunity to redesign the lighting in a 30-year-old warehouse facility. The 600,000 sq. ft. space was lit using primarily T8 fluorescent lighting in 8-ft. fixture lengths.

The facility manager's top priority was to achieve a rapid payback on any renovation implemented as well as improving the lighting quality along the aisles to assist inventory picking and management.

A series of 4- and 6-lamp T5HO fluorescent high bays were selected to replace the existing fixtures. This resulted in an energy savings of 20% while providing improved light levels and lamp life. In addition, the high bay system was listed to operate in high ambient environments of up to 150° F (65° C) without a ballast failure, which was ideal for this Southeast state location that routinely sees average air temperatures in the 80s and 90s six months of the year.

Payback was achieved in 2.2 years, which exceeded customer expectations.

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.