



## FACILITY

Temperature-controlled warehouse storage freezer (-10° to -25° F), plus office and secondary support areas

## RENOVATION RESULTS

Annual energy savings:  
\$159,000

Total kWh savings:  
2,085,462

Annual maintenance savings:  
\$21,500

Savings after EPCAct:  
\$176,000

Payback:  
< 2 years

## Cold Storage Facility Reduces Lighting Energy Costs by 53%

Nordic Cold Storage, LLC operates an 850,000 sq. ft. facility in Atlanta, GA. The existing lighting was a mixture of high pressure sodium and metal halide fixtures within the freezer compartments, and T12 fluorescent lighting in the office and secondary support spaces.

The primary lighting renovation objectives were to gain increased energy efficiency while significantly improving lighting quality for employees. Nordic selected Acuity Brands for the project due to our ability to offer a turnkey solution that resulted in minimal disruption to the 24-hour cold storage operation.

Specialty freezer fixtures using T5HO lamps were specified throughout the cold storage areas. These lights provided high quality "white" illumination and are designed to retain the necessary heat to optimize lamp performance in cold spaces. Long-life T8 fluorescents were selected for the office areas.

The lighting renovation resulted in 53% energy savings for Nordic and significantly reduced carbon emissions while improving lighting quality.

*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.*