

## Nordic Cold Storage



### CLIENT

Nordic Cold Storage, LLC  
Atlanta, Georgia

### SCOPE

Temperature controlled  
warehouse storage-freezer  
(-10° to -25° F)  
Office Space

### ENERGY SAVINGS

Approx. \$159,000 per year

### PAYBACK

< 2 years



BEFORE



AFTER

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

Acuity Brands Lighting provides optimal cold storage lighting renovation.

### THE SITUATION

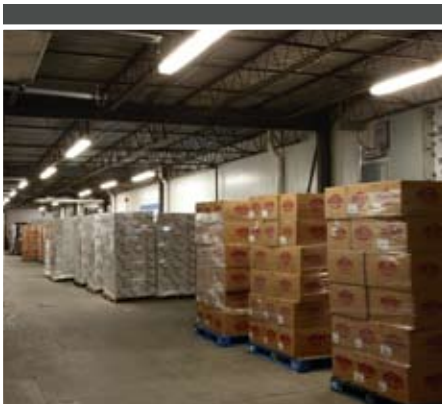
Nordic has an 850,000 foot storage warehouse in Atlanta, GA that operates 24 hours per day as a cold storage facility. The existing lighting utilized a mixture of high pressure sodium and metal halide lighting within the freezer compartments. Office and secondary support spaces were lit with T12 fluorescent lighting.

Nordic's primary objectives for renovating their lighting were to enhance energy efficiency within their facility, while also significantly improving the quality of light for their employees. Nordic selected Acuity Brands Lighting for the project due to our ability to offer a turnkey solution that resulted in minimal disruption to the 24-hour cold storage operation.

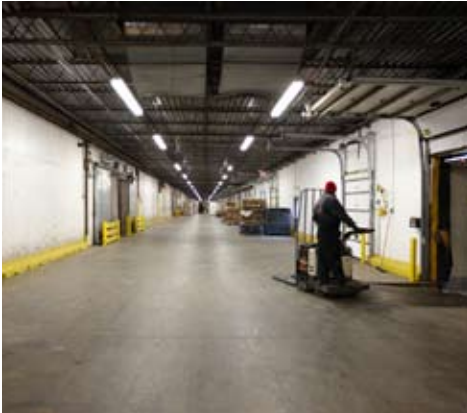
### THE SOLUTION

Nordic selected specialized freezer fixtures from Lithonia Lighting®, utilizing T5HO technology to provide high quality "white" illumination throughout the cold storage areas. In addition, these fixtures 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 has resulted in 53% energy savings for Nordic, while also significantly reducing carbon emissions and improving overall light quality.



"...Proper lighting is not only significant but a critical element for success."



### THE RESULTS

Annual Energy Savings :	\$159,000
Total Kwh Savings:	2,085,462
Annual Maintenance Savings:	\$21,500
Lbs. of CO2 Reduced:	3,086,462 (equivalent to removing 295 cars from the road)
Ten Year Net Present Value:	\$1,129,790 (based on 7% discount rate)
Savings from EAct:	\$176,000

### About Acuity Brands Lighting

Acuity Brands Lighting is North America's leading manufacturer of commercial and industrial lighting fixtures with brands such as Lithonia Lighting®, Holophane®, Peerless®, Mark Architectural Lighting™, Hydrel®, American Electrical Lighting®, Gotham®, Carandini®, Metal Optics®, Tersen™, Antique Street Lamps™, and RELOC® Wiring Solutions.

#### FEATURED ABL BRANDS ON PROJECT



An Acuity Brands Company

Lithonia Lighting is North America's largest fluorescent manufacturer.

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**National Account Relighting Services**  
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