



CLIENT

Acuity Brands Lighting ,
Southeast Distribution Center

SCOPE

Replaced fluorescent T8 and metal halide fixtures with fluorescent T5 lighting system utilizing occupancy sensors.

ENERGY SAVINGS

43% reduction in energy usage

“The new lighting installation provides quality illumination and by integrating controls, we are realizing 43% reduction in our energy use. In addition, the occupancy controls are a constant reminder to our associates to minimize waste in their other activities, reinforcing our corporate committment to environmental sustainability”.

Randy Payne, VP Logistics, Acuity Brands Lighting



OBJECTIVES

- Reduce lighting maintenance cost
- Reduce energy 40% below ASHRAE 90.1 2004
- Improve aisle lighting quality
- Achieve rapid payback

KEY DATA

- 600,000 sq. ft facility
- Annual energy savings \$93,000
- Payback 2.2 Years
- ROI 44%
- 20% kW reduction
- occupancy sensors provide 30% reduction in energy use
- EPAAct qualification \$304,000
- CO₂ reduction of 2.6M lbs annually

PRODUCTS

I-BEAM® 4 & 6 T5 lamps with occupancy sensors

Southeast Distribution Center-Conyers, GA

The Lithonia Lighting I-BEAM®

THE SITUATION

Rising energy costs and new lighting technology provided an opportunity to redesign the lighting in a 30 year old facility.

THE SOLUTION

I-BEAM® fluorescent high bays with Cool Running™ Technology provide an ideal solution for warehouse lighting in terms of energy efficiency and lighting quality. I-BEAM® fluorescent high bays reduce operating costs by consuming less energy and requiring lower maintenance costs when compared to alternative lighting systems such as standard fluorescents or metal halide fixtures. This is the first T5HO fluorescent high bay system that is UL/UL-C Listed to operate in environments up to 65° C (150° F); designed to operate more efficiently at higher ambient temperatures typically found in warehouses.

I-BEAM® fluorescent high bays are also designed to enhance the quality of delivered light in the space while maintaining desired light level over lamp life. As such, I-BEAM® combines the benefits of energy efficiency, lighting quality, and high-ambient suitability to ensure an optimal lighting solution for warehouse applications. For more information please visit, www.lithonia.com/IBEAM.

