

Champion Brands

Jacksonville, Florida



PROJECT DESCRIPTION

Installation of LED lighting in 200,000 square feet of warehouse space

ENERGY OPTIMIZATION

50 percent reduction in electricity used
Spring 2015

ROI

11 months

THE CHALLENGE

As the owner of Champion Brands, a beverage distributor in Jacksonville, Florida, Earl Benton had never considered using LED lighting in his 200,000 square feet of warehouse space.

But that all changed when a representative from Tenzing Energy Solutions made a visit.

"He put a 100-watt LED light fixture right next to the carpet in my office," Benton said. "Then he told me to touch the carpet. I thought it would be burning hot, but there was no difference in temperature. That's when I realized that LED lighting could make a huge difference in reducing our electrical bill. In just one warehouse, we have 100-plus metal halide lighting fixtures, each emitting 140 degrees of heat, making the air conditioning system, located on the roof, work harder and harder to keep the beer at the proper temperature."



SYSTEM FEATURES

- 5-Year Warranty on LED Lighting
- Automated On/Off Control with Motion Sensors

RETROFITTING

- Replaced existing 400W metal halide high-bay fixtures with 100W LED high bays.
- Replaced existing T12 tubes with LED ted lighting
- Replaced existing 400W wall washers with LED wall washers.

NEW CONSTRUCTION

- Installed 100W LED high-bay fixtures in new warehouse space
- Installed LED tubes in new coolers.

THE TENZING SOLUTION

Tenzing provided consultation to determine the cost savings and maintenance benefits of replacing inefficient fixtures with LED lighting, which use less energy, produce less heat and emits more light than the metal halide, fluorescent or incandescent lighting often used in warehouse settings. The LED lighting also features built-in dimming capability and motion sensors to automate lighting operations. Instant-on capabilities allow ownership to illuminate only those areas where employees are located.

THE RESULTS

After the installation of the LED lighting, Champion's first electric bill decreased 50 percent. The project paid for itself in 11 months. The interior of the warehouse is brighter, increasing safety for employees, and the LED lighting will last three to four times longer than conventional lighting.

Tenzing's work with Champion Brands has been featured in Advantage Business Magazine:

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