

# GAP Distribution Center

## Indoor LED Conversion Project



### Project Summary:

GAP is a worldwide retail brand that knows energy efficient stores have a direct impact on profits. But, they also saw how efficiencies - and cost savings - could be realized in their operations as well. They knew this was a project ripe for a retrofit: a 270,000 sq. ft. facility running 24/7/365 with old lighting spinning the meter and racking up the utility bills.

Interior lighting was standard hi-bay technology illuminating the warehouse space while old T12 and halogen lighting was used in office and other spaces. Additionally, exterior building and lot lighting consisted of halogen wall washers and wall packs with sodium pole fixtures lighting the parking areas and driveways.

All fixtures were replaced with over 6,000 LED equivalents that met or exceeded the previous versions performance. Additionally, controls were installed on most fixtures to dim or turn lights off when areas were not in use. While the primary goal of the project was to reduce operating costs, a secondary benefit was improved lighting aesthetics as LED technology provides a more even blanket of light that can improve productivity and morale.

The end result of this project is a facility that has bright, safer exteriors for employees and trucks, with a drastically cheaper facility to light with reduced energy use and less maintenance that LED technology provides.

### Project Highlights:

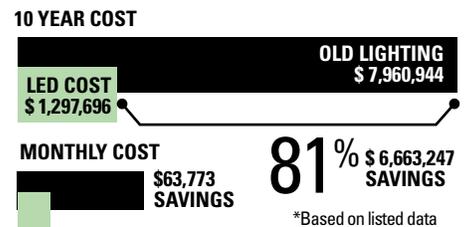
- 81% Energy Cost Savings
- \$55,527 Savings/Month
- \$3,331,620 5 Year Savings
- 3.5 Year Payback

### Financial Benefits:

|                        |              |
|------------------------|--------------|
| Net Cost:              | \$ 2,139,224 |
| Incentives             | \$ 184,836   |
| Energy Savings/yr      | \$ 562,006   |
| Maintenance Savings/yr | \$ 104,317   |
| Total Savings/yr       | \$ 666,324   |
| <br>                   |              |
| Net Present Value      | \$ 3,006,093 |
| Internal Return Rate   | 34.04%       |

\*Calculations are estimates based on registered data prior to project inception. Fixtures are Energy Star rated.

### Energy Savings Comparison



### Product info:

- **Warehouse:** Albeo 2-bar ABH2 and FSC retrofit kits replaced Hi-bays with dimming technology provides double duty cost savings.
- **Area Lighting:** GE Evolve ESW1 LED Wall Pack & GE Evolve EASB Scalable Pole Fixture for durability and precision



Albeo ABH2



GE Evolve ESW1 Wall Pack



GE Evolve EASB Scalable Area Light

**Call Loeb Electric at 614.294.6351 or go to [loelectric.com](http://loelectric.com) for more information.**