

Case Study for:  
**Stamford Public Schools**  
Stamford, Connecticut



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Education  
Operations & Maintenance  
Light Quality

## Case Study: Stamford Public Schools

**“We are very capital-constrained, so it is important to me to find projects where we can invest capital where there is a positive return. This is an example of this. The Energy Improvement District (EID) project will save us money, provide better lighting, and reduce our carbon footprint. It’s a win-win-win.”**

- Stamford Mayor David Martin

### COMPREHENSIVE SERVICES

- Scope development
- Project management
- Budgeting
- Incentive procurement

### OPPORTUNITY

The City of Stamford public schools, located in Connecticut, is committed to reducing operational expenses through energy efficiency opportunities, while continually improving learning environments for its students and faculty. According to the U.S. Department of Energy, lighting is the second largest source of energy use in schools, and Stamford was no exception. Stamford’s fifteen K-12 public school facilities recognized that classroom, administration, gymnasium, library, service and support areas, consisted of antiquated lighting solutions, such as fluorescent and metal halide fixtures. The existing lighting technology was not only inefficient, but susceptible to significant light depreciation, reducing the amount of delivered light throughout its classrooms over time.

### SOLUTION

Tri-State LED worked closely with Stamford, including its facilities management team and project installer, Con Ed Solutions, throughout every phase of the project. The project began with Tri-State’s evaluation of existing lighting, identifying the scope and recommending solutions. Through Tri-State LED’s comprehensive service offering, its depth of lighting knowledge and unique experience, they selected from the fifty top lighting manufactures it represents to offer the best lighting products in the market, reducing lighting energy use by 65%. Combined with an industry leading 10-year warranty and lamp life of 70,000 hours, the Stamford City Schools positively impacted its long term net operating expenses, while ensuring high quality lighting for students and faculty.

However, Tri-State was much more than delivering products with great ROI, extending beyond its lighting solutions to conduct onsite lighting demonstrations, material selection, and budget development. Tri-State LED worked closely with the project team to successfully manage the retrofit project through completion, delivering significant ongoing energy savings that can be reinvested toward Stamford’s student programs.

### PRODUCT MANUFACTURERS



### PROJECT BENEFITS



#### OPERATIONS & MAINTENANCE

*Superior lamp life improves long term replacement costs and staff efficiencies.*



#### LIGHT QUALITY

*Delivers superior light output, with negligible depreciation over time, for better student learning environments.*

### PROJECT SAVINGS



#### IMPROVED EFFICIENCY



#### ENERGY SAVINGS



#### PAYBACK PERIOD