



# West Chester Area School District

E.N. Peirce & G.A. Stetson Middle Schools  
LED Parking Lot Conversion



## The Problem

Our customer was looking for a solution to improve the lighting quality and decrease the energy consumption associated with their exterior lighting at two Middle Schools. Having their own maintenance employees, they also wanted a solution that would reduce the time that their existing employees would have to spend maintaining and repairing the exterior lighting system.



## The Solution

- Replace existing 250w Metal Halide parking lot fixtures with new 101w LED fixtures
- Replace existing 400w Metal Halide parking lot fixtures with new 168w LED fixtures



## The Results

- Kwh Reduction - 74,390
- Lighting Energy Reduction Percentage - 66%
- Annual Maintenance Cost Reduction - \$6,893
- Rebate Eligibility - \$5,095
- Greenhouse Gas Reduction - 83,446 lbs
- Total Fixtures Replaced - 88
- Projected ROI - 28 Months



# Before & After Pictures



## View The Results

Below is a series of pictures of the West Chester Area School District Project where you can see the visual impact of the before and after images of LED conversion. Stouch Lighting helped to increase visibility for E.N Pierce and G.A. Stetson Middle School parking lots while reducing their energy costs.

### Before

### After



#### Location

West Chester, PA

#### Savings

66% Energy Reduction

#### Fixtures Replaced

88 Fixtures

