

# smart savings. bright futures.



New lighting contributes to dramatic energy reduction and cost savings

## GE's energy-efficient lighting helps Willoughby-Eastlake schools enhance learning environment

### THE SITUATION

Serving nearly 9,000 students, leaders of the Willoughby-Eastlake City School District in Ohio were faced with aging infrastructure, high energy costs and outdated, inefficient lighting in 12 buildings. They committed to improving school conditions while nurturing teacher productivity, student achievement and comfort.

The Kennedy building, which had been vacant for 24 years, was being refurbished to serve special needs students and offer early childhood, community college and technical programs. In addition, a high school, three middle schools, six elementary schools and a tech center were identified for retrofits.

### THE SOLUTION

The 75,000-square-foot Kennedy building, now called Kennedy Academy, was completely renovated, and considerable updates in the other 11 buildings included more energy-efficient lighting. With the help of Trane, enhancements also included HVAC improvements and integrated controls to maximize energy and operational efficiency.

"Lighting improved so significantly throughout the district that we actually learned that one of our gymnasiums had a pine floor and white walls, both of which previously appeared yellow due to the amber hue that the previous poor lighting shed on everything in that gym."

- Steve Thompson, superintendent, Willoughby-Eastlake City Schools

The renovation saves the district nearly 4,375,535 kilowatt-hours (kWh), providing nearly \$663,000 in annual energy savings. The increased energy efficiency, combined with in-district services provided at Kennedy Academy, is saving the district nearly \$1.26 million each year.

For more information about the GE Lighting products used in this project, visit [gelighting.com](http://gelighting.com). For more information about HVAC solutions, visit [trane.com](http://trane.com).



- \$663,000 in energy savings
- Reduced maintenance needs and costs
- Controls allow for remote monitoring of energy performance



- More than 4 million kWh saved annually
- Enhanced learning environment