GE helps one of Michigan's largest not-for-profit health systems save energy with new LED solutions

Spectrum Health is saving $170,000 a year in energy and maintenance costs

THE SITUATION

Spectrum Health, one of Michigan's largest not-for-profit health systems, was looking for a way to revamp the parking decks surrounding its facility. There were three goals in mind: improve security, reduce maintenance costs and save energy. When Spectrum discovered GE Evolve™ LED Garage fixtures, they knew they had found the right lighting for the job.

THE SOLUTION

Spectrum retrofitted 1.25 million square feet of parking space with 1,500 GE Evolve™ LED Garage fixtures. The fixtures feature cutting-edge technology, including an advanced LED low glare optical system and unique thermal management system for long life and excellent performance. By replacing older 175-watt high-pressure sodium (HPS) fixtures with GE's 60-watt Evolve™ LED Garage Lights, Spectrum's environmental goals were also fulfilled. The hospital was thrilled with the results.

“Our patients and employees are our first priority. It’s important that everyone feels welcome and secure while at our facilities. GE Lighting’s LED fixtures not only met this requirement but also reduced our energy consumption and burdensome maintenance.”

-Tom Theoret, director of facilities for Spectrum Health

Spectrum also installed 50-watt GE Lumination™ LED Recessed Troffers in the parking deck ceilings in entrance and exit ways, replacing 150-watt high-intensity discharge (HID) fixtures. The 2’x2’ troffers are as thin as the width of a finger and emit a crisp, uniform light to brightly illuminate drop ceiling spaces inside the garage.

OPERATING IMPACT

- $170,000 in annual energy savings
- 1.6 million kilowatt hours (kWhs) reduced in electricity use

ENVIRONMENTAL IMPACT

More than 965 metric tons per year CO₂ emissions eliminated:
- =261 new acres of trees
- =186 cars off the road

imagination at work
THE SOLUTION CONTINUED...

In addition to its parking deck, Spectrum retrofitted one of its parking lots with 202-watt GE Evolve™ LED Area Light fixtures, replacing the inefficient 400-watt HID fixtures that were previously installed. The new GE LED area lights emit bright light to improve visibility and safety, while reducing costs.

The LED fixture upgrade is saving the facility nearly $170,000 annually in combined energy and maintenance costs. The hospital will see a 67 percent reduction in energy use, yielding 1.6 million kilowatt hours (kWh) of energy savings each year. The new LED lights will pay for themselves in just three years.

For more information about the GE Lighting products used in this project, visit gelighting.com or gelightingsolutions.com