

Product Use Case: WaveLinx LITE Exceeds all Expectations When Installed at The Lovett School Atlanta, Ga



Background

The Lovett School is a kindergarten through twelfth grade independent school. It is nestled on 100 acres of forested and riverfront land in Atlanta, GA, United States of America. It was founded in 1926 by Eva Edwards Lovett, an innovative educator who emphasized the development of the whole child. The campus has grown to close to 800,000 square feet of buildings meant to support over 1,600 students throughout the year.



- Energy Savings
- Low Total Cost of Ownership
- Simple, easy-to-use, Scalable System

Opportunity

The school facilities department was asked to **improve visitor experience** in their multi-usage garage that is mostly used by student, teachers and parents for daily school classes, activities, and special sports events. The goal of the project was to **maximize the sense of security on site, while lowering the impact the parking garage lighting had on neighbors, and do accomplish this without raising electricity cost.**

Most parking garages require 24-hour lighting, 7 days a week, which leads to high energy costs. The team decided to look at adaptive lighting solutions and started by evaluating a **motion sensor solution** that would be embedded in parking garage luminaires, commonly referred to as a stand-alone, which provides additional energy saving to LED lighting technology. They soon realized the solution had significant drawbacks. For example, when activity is detected, the light is increased to the maximum level only for a location to close proximity where the activity was detected and kept it at a maximum level for a long period of time, sometimes up to 15 minutes. To change such behavior some solutions require changes to each luminaire, one at the time, which was time consuming.

Shortly after that solution was tested, a **network systems solution** was considered but many of the options available were too complex to implement and in the long term would not be easy to maintain. Plus, many cyber security related concerns were raised by the team to those networked and cloud-based solution manufacturers, and he did not return a suitable answers that made the team feel comfortable moving forward with the solutions.



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Solution

The Lovett School facilities department found that with WaveLinx LITE, they could deploy a motion sensor control solution that would **allow them to group luminaires together and raise lighting levels for a whole area** to eliminate scattered dark areas that existed while walking or driving through the garage - all without the need of a gateway.

They decided to implement WaveLinx LITE and deploy Cooper Lighting Solutions Top Tier and Galleon luminaires with WaveLinx LITE motion sensors in an area of the parking garage. The system was operational “out-of-the-box” as a stand-alone system, without any programming required. The team only had to download the app to create groups and explore additional features. **The team was pleased with the simplicity of the solution overall.** The time saved configuring groups with WaveLinx LITE versus installing a stand-alone, wired or cloud-based solution for the entire parking garage was really a determining factor in choosing WaveLinx LITE.

The chief operating officer was impressed by total cost of ownership, return on investment based on the energy savings gained from using WaveLinx LITE. The team is confident WaveLinx LITE is the right solution for them today and the future, as they can easily scale the system by upgrading to a secure network solution in the future without changing the luminaire sensors, as well as the ability to connect to the WaveLinx CORE IoT platform.



Products

- Cooper Lighting Solutions Top Tier
- Galleon luminaires with the WaveLinx LITE Motion Sensor
- WaveLinx LITE Motion Sensor
- WaveLinx LITE Mobile App

Customer Testimonials



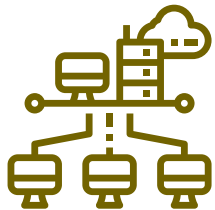
“The WaveLinx LITE system has allowed us to control the site lighting to meet the needs of the school. The grouping feature allows us to adjust lights that directly impact neighboring homes while still maintaining ideal light levels throughout the structure to maintain safety.”

Brian Holtzapfel
Director of Plant Operations, The Lovett School



“The abilities of this system without the need to add additional wiring is a game changer.”

Chris Haddox
Maintenance Foreman,
The Lovett School



“The Lovett School IT department have been very satisfied with WaveLinx LITE security features, including the transfer of the project ownership via a secure portal, done from the application. The team not only approved the solution, they also plan to recommend the solution to other school system vendors to help them achieve easy and secure system access transfer.”

The Lovett School IT Team

[Learn More About WaveLinx LITE](#)



Control product certified to
UL 2900 cybersecurity standard

