Looking At Universities In A New Light

Commuting and parking at universities is changing and evolving. Non-traditional and second-career students are taking more night and online courses, which translates into added use during evenings and weekends. They are also commuting more, which means a higher overall volume of vehicles in those structures. Developing methods for handling the increased traffic, staying on the forefront of technology and green initiatives, and keeping costs low is often problematic.

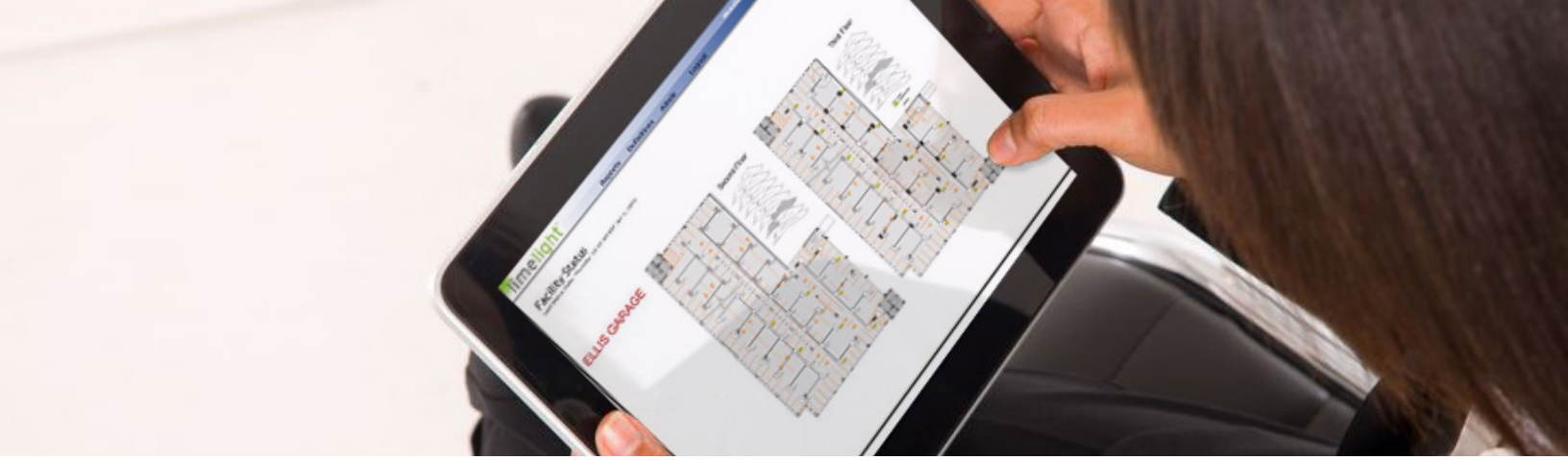
LimeLight™ technology is the next evolution in lighting for parking garages, open lots and campus walkways. This smart proprietary system leverages it's high density mesh (HDM) wireless network to constantly monitor, make adjustments and send notifications when issues arise. This innovative technology is more efficient, safe, cost-effective and automated than standard lighting systems. LimeLight changes the way maintenance, reporting and scheduling are managed. Perhaps most importantly, the system is so efficient that the energy savings recoups the initial investment within the first three years of ownership.

Diane DeLaTorre
ASSOCIATE DIRECTOR OF PARKING OPERATIONS AND MAINTENANCE, UNIVERSITY OF MICHIGAN

"LimeLight has enhanced campus safety, while providing the university with positive environmental changes and financial savings that have provided a quick return on investment."

PARKING STRUCTURES:	5
ANNUAL SAVINGS:	70%
CARBON REDUCTION:	20%
ENERGY REDUCTION:	70%
WATTAGE REDUCTION:	60%

limelight™ by twistHDM



Entire floors are ignited to full power to deliver an added sense of security.

SAFER AND SMARTER.

Statistics show that students, faculty and staff are staying on campus later at night, working more second and third shifts, and attending evening and weekend events. Regardless of time of day or week, LimeLight provides the safety of a fully illuminated area whenever and wherever pedestrians and drivers are present, while saving energy during off-peak hours when no one is using the facility. Motion detectors are built into every fixture to ensure optimal lighting when needed. Lighting fixtures can be grouped together, so that when the motion detectors are triggers, an entire floor will automatically illuminate, as well as the path toward the exit. Once ten minutes have passed with no activity, the cycle resets until the motion sensors are set off again. When a light malfunctions, a report is automatically sent via email or text. Without this feature, a dark corner of a walkway or garage could go for days without being noticed or fixed. This allows maintenance to be proactive and quickly respond.

As visitors exit, luminaires on each level illuminate to full power.

LESS WASTE. MORE GREEN.

Capital shortfalls have led higher educational institutions to find untraditional methods for cost savings, and with rising energy prices, "going green" makes more sense than ever. A recent study indicated that 6.5 billion kilowatt hours ($730 million) are wasted on parking garage lighting each year. LimeLight eliminates that waste by maximizing efficiencies through the harvesting of natural sunlight during the day and programming various levels of light during evening hours. Programming the lights to dim or turn completely off during low volume traffic times saves energy and money. In fact, the University of Michigan installed LimeLight in five parking garages and experienced cost savings of 70% during the first year. Other schools such as Ohio State University, University of Minnesota, University of Georgia, Pomona College and Liberty University have also installed the technology with similar results.

Check energy consumption, luminaire performance, and lighting status online.

SEAMLESS. EFFORTLESS. PEERLESS.

LimeLight software is designed to be highly sophisticated, yet incredibly intuitive. It is so easy to use that a simple tutorial provides users the confidence to program daylight harvesting times and set up incident reports. Installation technicians set up the system and provide a tutorial on all the features, and are available to interpret in-depth annual reporting and long-term scheduling. Connected via a gateway Ethernet connection, the system software collects data on energy usage and maintenance, as well as local temperature data every 30 minutes. If outdoor temps reach extreme levels, light output can be automatically adjusted to ensure proper operation and extend the life of the lamps and electrical components.

University of Michigan Associate Director of Parking Operations and Maintenance Diane DeLaTorre understands the benefits of the scheduling and reporting software. "When we looked at other systems, they were very unsophisticated in comparison. I'd even say they were 'dumb' in that they didn't provide the daily reports, immediate text message incident alerts, or monthly harvesting data. We use these features on a daily basis to optimize our operations, and it has helped us reduce our energy usage by nearly 70%."

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