Parking Garages

dynamic wireless mesh lighting controls for smart parking structures

According to Parking Today, there are more than 40,000 garages and surface parking lots in the U.S. In fact, some estimates suggest that one-third of land in American cities is devoted to parking facilities. Owners may include commercial real estate developers, REITs, even local jurisdictions.

Choosing lighting controls for these facilities means meeting some significant challenges. Safety and security for visitors is a paramount concern. Operating environments can be challenging, with physical obstructions and harsh weather conditions. Meeting jurisdictional requirements for occupancy- and daylight-responsive control can seem daunting. Owners and operators need the most cost-effective, reliable lighting control to satisfy these needs.

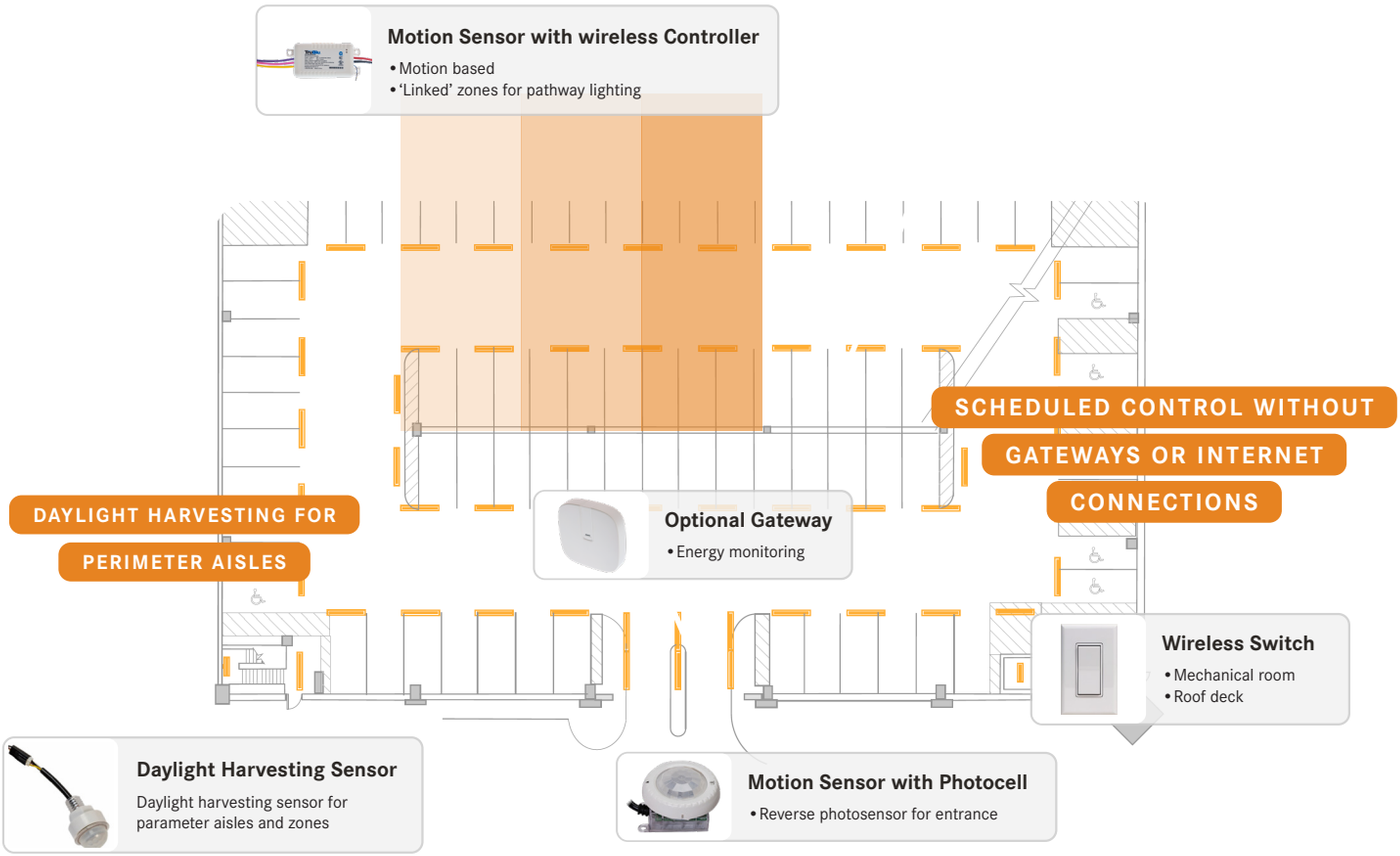
Affordable
Whether the choice is a DLC-certified TruBlu system or a McWong Casambi network, wireless means no costly control wiring or expensive labor for implementation.

Reliable
With IP65 ratings, award-winning long range antennas and app-based access, systems deliver dependable performance 24/7/365.

Interoperable
Choose from a vast array of SIG-qualified fixtures for an integrated TruBlu network, or from the expansive Casambi ecosystem of options to create the perfect solution for each facility.

App-based Design and Control
User-friendly control from smartphone apps streamlines design, startup, and future network adjustments.

Customized Control Is Easy



TYPICAL CONTROL PROFILES

Zone	Scenario	Description
Entrance	Reverse photosensor	Lighting on during daytime, dimmed at night
Interior aisleways and parking spots	Motion sensor + control module	Lighting on at 20%, increase to 80-100% with motion detection for pathway lighting with advancing car
Perimeter zones	Daylight harvesting sensor	Lighting on at 20% of set lux level during daytime, increase to 80-100% with dusk
Roof deck	Photocell + Motion sensor	Lighting on at 20% during normal operations; increase to 80-100% upon motion detection during nighttime hours

READ CASE STUDY

McWong Teams with THA Consulting for Energy-Efficient, Future-proof Parking Facilities

Parking garages are integral to city planning, providing safe, dependable facilities for commuters as well as contributing to vibrant neighborhoods that offer residents options for mass transit, shopping, and dining. These structures require sophisticated lighting and control systems to provide appropriate illumination levels during the day and night while remaining as energy efficient as possible. When THA Consulting, a respected design and engineering firm in the mid-Atlantic region, was seeking control solutions for new projects, McWong's TruBlu Bluetooth mesh system proved to be the best fit.