PIER SOLUTIONS

for Parking Lots and Garages

Intelligent bi-level luminaires

PIER sponsored research, development, and demonstration (RD&D) has focused on the combination of occupancy-based lighting controls and dynamically tunable light sources to create intelligent, bi-level luminaires for parking area applications.

These innovative products achieve 30–75% energy savings compared to traditional parking area luminaires, meet stringent energy-efficiency standards, and provide excellent lighting distribution and color rendering for all types of parking area applications.

Occupancy-based controls

Fixture-integrated or pole-mounted occupancy sensors switch lighting between high and low levels based on the presence of vehicle or pedestrian traffic. Switching between high and low light levels based on occupancy maintains sufficient light for security and way-finding, while maximizing energy savings.