

Case Study



University of Charleston, Charleston, WV

To address the issue of student parking on campus, a new 524 space parking garage was a key part of the new construction begun last year. The new garage is situated between 3 new student apartment buildings which opened January 2010.

The original lighting specification called for 150-watt pulse-start metal halide fixtures. Given West Virginia's extremely low energy costs, less than 6 cents/kwh, this was a reasonable lighting solution. However, the University of Charleston's strong commitment to sustainability and the environment, as well as their commitment to reducing their carbon footprint, directed them to LED.

LSI's Crossover LED parking garage and soffit fixtures not only satisfied the energy and environment concerns but also offered tremendous installation and maintenance savings. The added benefit was a much cleaner, whiter light than they could achieve with metal halide. When the long-awaited parking garage opened, the reception was overwhelming.

Products Used: Crossover XPG parking garage lights (50 LEDs, Type 5 reflector) with ¾" pendant mount
Crossover XSL soffit lights (50 LEDs, symmetrical distribution), recessed Citation (400-watt pulse-start metal halide, flat lens) light the top deck

Results: 68% annual energy savings as compared to metal halide
77% annual maintenance and energy savings
A brighter, friendly, safe feeling at night

