

# Case Study



## Christiana Care Health System - Newark, DE

With over 44 acres of paved parking surfaces, the exterior parking lot lighting provided a good opportunity to reduce energy consumption.

*“Through the investigation of energy efficient light sources, the true benefits of LED technology beyond energy savings were realized. Equipment selection criteria included overall product quality and appearance, product value and warranty, and ultimately the manufacturer’s customer service history.”*

Jeff Krebs, Christiana Care Health System.

As a first step, Christiana Care retrofitted the metal halide fixtures in the employee parking lot as well as the Women’s Health Services building entrance canopy with LED lights from LSI. Retrofitting to LED dramatically cut the energy consumption while providing excellent lighting. The LED fixtures deliver uniform illumination; good color rendering; and virtually no glare or spill. In addition, health system security officials like the new LED lighting as it improves the light quality of security video.

*“When LSI showed us the initial Crossover® LED samples, aside from the effective LED design of the fixtures, we saw how heat was controlled, weight was minimized and aesthetics were considered.”*

Ray Greenhalgh, United Electric Supply, Inc

**Products Used:** LED XAM3 area lights (119 LEDs, Type FT reflector) on existing 25’ poles  
LED XSL3 soffit lights (50 LEDs, Symmetrical distribution with dimming)

**Results:** Excellent lighting, precise light placement  
Over 60% annual energy savings (employee parking lot alone)  
68% annual energy and maintenance savings (employee parking lot alone)  
Greenhouse gas reductions equivalent to over 56 metric tons

