

Case Study



Patterson Elementary School - Holly Area School District, Holly, MI

When the Holly Area School District started working on a new lighting system for the parking lot at Patterson Elementary School, the Holly Area School District lighting standard was metal halide. In a concerted effort to 'go green', they began investigating induction lamps and LED as an alternative. Both offered longer life plus reduced energy usage and maintenance costs. When the analysis was done for all 3 light sources, LSI's Crossover LED solution was selected.

In addition to the tremendous energy and maintenance savings as compared the metal halide standard, the Crossover delivered outstanding lighting with uniformity and good cutoff. The cool white color temperature creates a bright, friendly, safe feeling at night. During the day, the architectural lines of the fixtures add a nice touch to the overall property aesthetics.

Products Used: Crossover XAM area lights (119 LEDs, Type 3 reflector) on 18' poles
Crossover XAS pedestrian scale lights (70 LEDs, Type 3 reflector) on 12' poles

Results: Lighting uniformity that exceeded expectations
Phenomenal cutoff
47% annual energy savings as compared to metal halide and 35% as compared to induction lighting
48% annual savings in operational costs as compared to metal halide and 23% savings over induction
49% annual savings in maintenance as compared to metal halide
IDA Approved Dark-Sky Friendly Lighting

Lighting Design: Shawn Schiappacasse LC, Integrated Design Solutions ,Troy, MI

