

# Case Study



## Indian Hill Exempted Village School – Cincinnati, OH

While videotaping volleyball games at the Indian Hill High School gym, it became apparent how dark the gym was and that they needed to replace the existing 400 Watt Metal Halide Recessed Downlights. LSI Industries replaced the recessed cans, one for one, with 92 LED Recessed fixtures. The glare they were experiencing during games was remedied with the use of a frosted lens and dimming. In addition, the lighting was set up into six zones that could be dimmed individually depending on desired lighting scheme.

Everyone involved, including Principal and Athletic Director, are very pleased with the lighting results.

***“Thank you for all your work on our lighting project! We couldn’t be happier with the results! We didn’t realize how bad the lighting was; all of a sudden we can see again in the gym. What a great improvement to the overall look of the gym.”*** Jill Bruder - Athletic Director

**Products Used:** Crossover Recessed LED fixture (128 LEDs, 450mA CW) with frosted lens and 0 to 10 dimming

**Results:** Greatly improved lighting, excellent “seeability”  
Doubling foot candle levels in the gym  
\$110 Duke Energy rebate per fixture (\$10,120 total)  
Annual energy and maintenance savings of over \$8800  
78% annual maintenance and energy savings

