

# Case Study



## Tulsa Central High School – Tulsa, OK

Tulsa Public School system sought to improve the lighting at their Central High School gymnasium. Tulsa Public replaced 29 1080W Metal Halide fixtures with LSI Industries' LED XHB3 fixture. The school also adopted controls from LSI Virticus. LSI Virticus gave them the unique ability to reduce the light level above the stands, to 20% during gameplay, since the fans are physically closer to the light source. This reduced glare while keeping the floor well lit.

*"Having been the vendor of choice for installation and provision of materials for Tulsa Public Schools, Image Builders saw first-hand the incredible impact of the LSI/Virticus LED lighting program. From the onset, LSI and Virticus provided not only the industry's top of the line LED lighting components, but the Virticus lighting control system far exceeded everyone's expectations in performance. The desired lumens levels, ease of operating and amazing energy cost savings not only produced high marks from Tulsa Public Schools officials, but also from the most important views, those of the players and coaches! It was such a delight to see their expressions and hear the positive comments from those who saw the wonderful transformation from the traditional to the new LED lighting products. Image Builders thanks both LSI and Virticus for allowing us to be a part of their lighting team."*

Jerry Compton, President  
Image Builders, Inc.

**Products Used:** 15 LED XHB3 176 450 High Bay fixtures with dimming and wire guards  
14 LED XHB3 128 450 High Bay fixtures with dimming and a polycarbonate shield  
Diffused lens used on all fixtures  
10 Wireless Virticus Controllers

**Results:** Total annual savings of \$12,236  
89% savings in energy per year  
< 1 year ROI  
Excellent "seeability"  
Quick and easy installation

