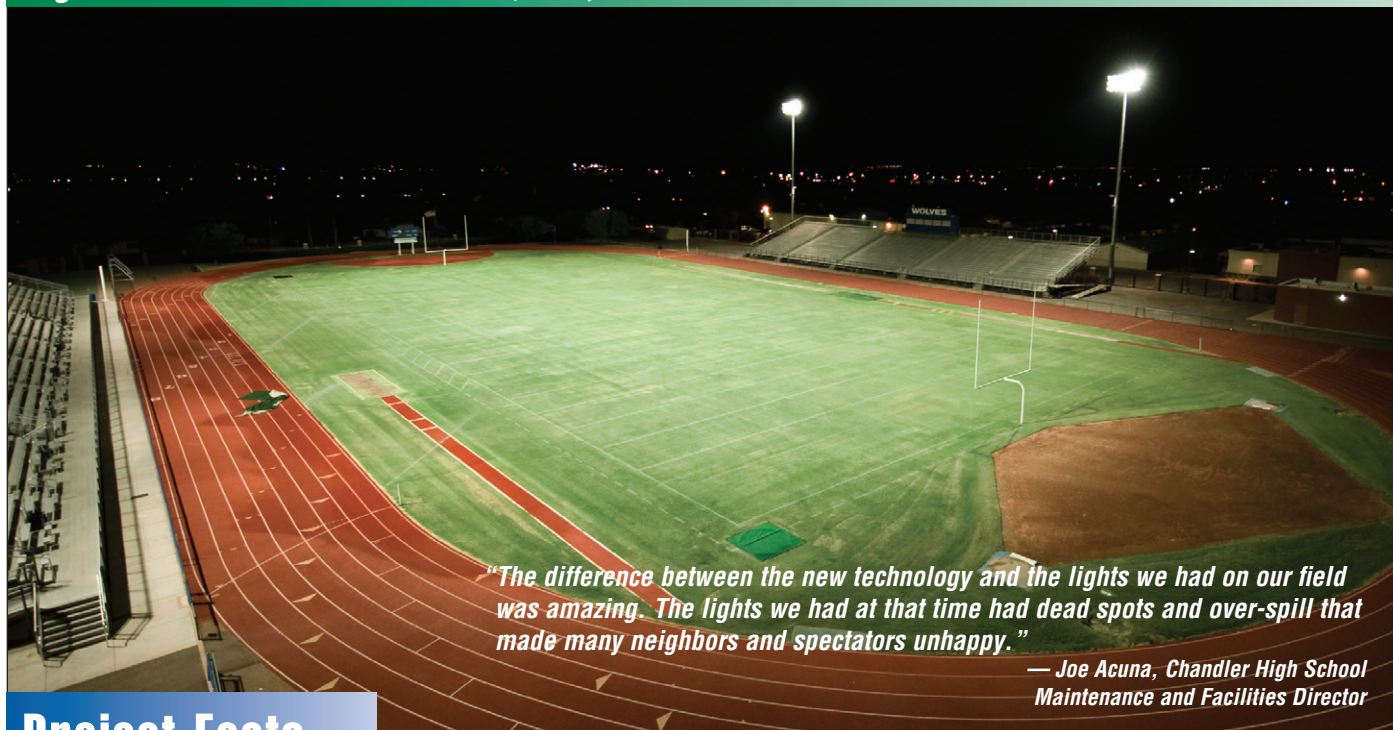


Chandler High School Football

Light-Structure
GREEN™

Home of the Wolves · Chandler, Arizona

Light-Structure Green™ Saves \$144,000



"The difference between the new technology and the lights we had on our field was amazing. The lights we had at that time had dead spots and over-spill that made many neighbors and spectators unhappy."

*— Joe Acuna, Chandler High School
Maintenance and Facilities Director*

Project Facts

High School Football Field
with Track

Performance

- Reduced energy consumption:
Prior technology 194.4 kW
Light-Structure Green™ 112.6 kW
- Football – 50 constant horizontal
footcandles (538 lux),
2:1 uniformity
- Track – 25 constant horizontal
footcandles (269 lux)

Lighting System

- Light-Structure Green
4 poles · 72 luminaires
- Control-Link® Control
and Monitoring System

After the use of Musco's temporary lighting for a televised high school football game, Chandler High School staff realized how out-of-date and inefficient their lighting was compared to Musco's new Green Generation Lighting®. Since Arizona is a leader in protecting the environment from light pollution, Chandler High School officials wanted to set a good example with new lights. Musco's Light-Structure Green™ was able to reduce spill and glare by 50%, which was an important quality for Chandler because the old stadium lights had prompted many neighbor complaints about spill light. Additionally, with the use of Control-Link®, Musco is able to save the high school staff time in operating the lights. The impact of this feature has been so significant that Chandler High School decided to install Control-Link on the lights at their pool.

Key Issues

Environmental Light Control

- Meets strict guidelines to minimize off-site spill and glare light on adjacent property

Life-Cycle Cost Savings

- Musco's Green Generation Lighting reduces energy consumption from prior technology from 194.4 kW per hour to 112.6 kW per hour
- 25-year projected operating cost savings is over \$144,000 through reduced energy consumption, group lamp replacements, controls, and maintenance provided Musco

Easy Installation

- Musco's 5 Easy Pieces™ allows fast, trouble-free installation
- All luminaires are factory aimed and shipped fully assembled



We Make It Happen®

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