

PSU Practice Soccer Fields

Light-Structure
GREEN™

Home of the Nittany Lions · University Park, PA

Light-Structure Green™ Saves \$193,000

"The lighting makes all the difference in the world for the athletes. It gives us much more flexibility in our schedule. It allows us to organize our training around their academic schedule."

— Erica Walsh
Head Women's Soccer Coach
Penn State University



Project Facts

College Practice Soccer Fields

Performance

- Reduced energy consumption:
Typical floodlighting 356.4 kW
Light-Structure Green™ 206.4 kW
- 50 constant horizontal footcandles (538 lux), 2:1 uniformity

Lighting System

- Light-Structure Green
8 poles · 132 luminaires
- Control-Link® Control and Monitoring System

Penn State needed lighting for their men's and women's soccer teams to allow for longer evening practices than daylight allowed. Choosing Musco's Light-Structure Green™ systems made the most sense, for the cost savings in both energy and maintenance as well as the lights' superior spill and glare control. "We like Musco's Green Generation™ system because it uses less electricity to operate. They are definitely energy-efficient lighting systems," explained Penn State Project Manager for Design and Construction Marvin Bevan. Said PSU's Head Women's Soccer Coach Erica Walsh, "The best thing about Musco lights is that I don't notice spill light. The spill light shouldn't be a distraction."

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 Light-Structure Green™ reduces energy consumption from prior technology of 356.4 kW per hour to 206.4 kW per hour
- 25-year projected life-cycle cost savings is over \$193,000 through reduced energy consumption, group lamp replacements, controls, and maintenance provided by Musco



We Make It Happen.®

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