Solutions for Sports Lighting – Scotch Plains Fanwood HS
Providing Sports Lighting Solutions for 44 Years

Since 1999 Musco has provided hundreds of lighting solutions for NJ Athletic Facilities

Scotch Plains/Fanwood:
Vo Tech Baseball/Soccer  2006
South Side Park Soccer 2008
Kramer Park Tennis 2012
Pathway Lighting

Provide 4-foot-tall bollards for low level lighting along the property line which are down light fixtures

Provide 15-foot-tall pathway lights along paths not located along the property line for low level lighting

Pathway lighting and field lighting will be similar to moon light at the property line (not including foliage and fences)
Football Field

Illuminated to 50 footcandles meeting all high school sports requirements

No lighting for track

Football field and soccer field can be turned on and off independently
Soccer Field

Illuminated to 50 footcandles meeting all high school sports requirements

No lighting for track

Football field and soccer field can be turned on and off independently
Musco’s Evolution of Light Control

1977
SportsCluster-

1989
SportsCluster-2

1989
SportsCluster-2
Level 8™

1989
SportsCluster-2
Total Light Control™

2005
Light-Structure System™
Green Generation™

Today
Light-Structure System™
TLC for LED™

Today TLC for LED – This project
Shields light source to minimize glare
Large visor to block light spillage beyond the field boundaries

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Light control matters

What can be

![Musco LED light source](image1)

What often is

![Other supplier LED light source](image2)
Uncontrolled LED Light Source Spillage – other manufacturer
Light·Structure System™

5 Easy Pieces™
Complete System from Foundation to Poletop

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Ocean City High School — Ocean City, New Jersey

Musco: What can be

What often is
Central Regional High School Football – Bayville, New Jersey

50 footcandles, 2:1 uniformity
55.2 kW – 74% reduction from typical HID equipment

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Blanket Grid of Light Values

Values measured at 3 feet above grade with all lights illuminated on fields and the pathway

Shows how quickly the light spillage drops to below 0.5 footcandles which approaches moonlight
Musco Constant 25™ Warranty

- 25-year product assurance program includes parts and labor
- Proactively monitor system performance
- 170+ warranty and service team members dedicated to make sure your fields are always ready for play
- Trained technicians complete maintenance and inspections as well as respond to service calls
Control-Link® Control and Monitoring System

• Remote scheduling and on/off via app, computer or phone call
• Dimming (3 levels)
• Management tools: user securities, usage tracking, dashboard, and reports
• Luminaire level system monitoring alerts Musco of any issues
• Control-Link Central™ support team available 24/7
Operating Cost

Football Field ------ 64.7kw x $0.10 = $6.47/hour

Soccer Field ------- 48.6kw x $0.10 = $4.86/hour

Pathway ----------- 1.69kw x $0.10 = $1.69/hour

All on -------------- 119.83kw x $0.10 = $11.98/hour

Assumes no demand charges
NJ High Schools with Musco LED Technology:

Central Regional High School
Holmdel High School
Memorial High School Elmwood Pk
Ocean City High School
Piscataway High School
West Morris Central High School

Donovan Catholic High School
Lacey Township High School
Northern Highlands High School
Pennsauken High School
Sparta High School
West Morris Mendham High School

Nearby Musco LED Lighting Installations:

Oak Ridge Park, Clark
Seidler Field, Plainfield
Chisholm Park, Springfield

Madison Ave Field, Rahway
Memorial Field, South Plainfield
Tatlock Park, Summit