

Company Profile

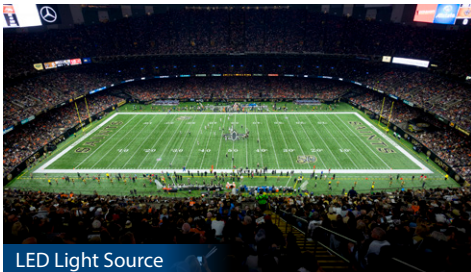


LED Light Source

Statue of Liberty National Monument
New York, New York, USA



Yas Marina Circuit
Grand Prix Racing
Abu Dhabi, UAE



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Mercedes-Benz Superdome
New Orleans Saints
New Orleans, Louisiana, USA



Chongqing Olympic Sports Center
Chongqing Lifan F.C.
Chongqing, China



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Vancouver International Airport
Vancouver, BC, Canada

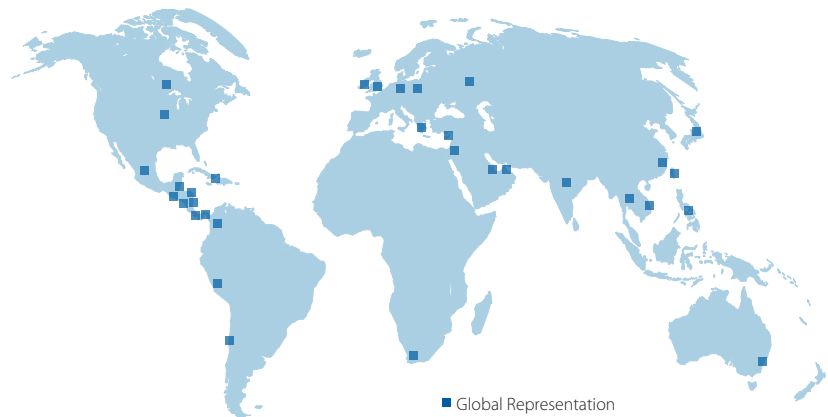
Introduction

Since 1976, Musco Lighting has specialized in the design and manufacture of sports and large-area lighting with innovations in glare reduction and light control responsible to the needs of facility owners, users, neighbors, and the night sky. Musco's Total Light Control – TLC for LED™ technology delivers a level of light control and uniformity that can't be matched, and is the solution of choice for neighborhood Little League® fields, collegiate and professional stadiums and arenas, international airports, rail yards, the Olympic Games, iconic landmarks, and some of the largest ports around the world. Musco has a global team of experts that partner with customers to plan, complete, and maintain a cost-effective, trouble-free lighting solution for their facility.

Headquarters: Oskaloosa, Iowa, USA

Manufacturing: Muscatine, Iowa USA; Shanghai, China; Gumi, South Korea

Global Representation: Australia, Belize, Canada, Caribbean Islands, Chile, China, Colombia, Costa Rica, Cyprus, El Salvador, Germany, Greece, Guatemala, Honduras, India, Ireland, Japan, Jordan, Mexico, Nicaragua, Panama, Peru, Philippines, Poland, Qatar, Russia, South Africa, South Korea, Taiwan, Thailand, United Arab Emirates, United Kingdom, United States, Vietnam



■ Global Representation

Special Projects

- Olympic Games — Rio, 2016; Sochi, 2014; London, 2012; Vancouver, 2010; Athens, 2004; Sydney, 2000; Atlanta, 1996; Los Angeles, 1984
- "Battle": Tiger Woods Golf, 2000–2004
- ESPN Wide World of Sports Complex
- Daytona International Speedway
- Losail International Circuit
- Yas Marina Circuit
- Bahrain International Circuit
- Churchill Downs
- Wimbledon Centre Court
- Madison Square Garden
- Mercedes-Benz Arena, Shanghai
- Mercedes-Benz Arena, Berlin
- Purcell Pavilion, University of Notre Dame
- Munn Ice Arena, Michigan State University
- AT&T Center, San Antonio Spurs
- Emirates Stadium, Arsenal F.C.
- Twickenham Stadium, England National Rugby
- Tianjin TEDA Football Stadium, Tianjin TEDA F.C.
- Citi Field, New York Mets
- NRG Stadium, Houston Texans
- Nationals Park, Washington Nationals
- Dodger Stadium, Los Angeles Dodgers
- Comerica Park, Detroit Tigers
- Lamade Stadium, Home of the Little League® World Series
- Super Bowls XVII, XIX, XXI, XXVII, XXX, XXXV, XXXVIII, XL, XLII, XLIII, XLIV, LI
- ESPN X Games
- San Francisco-Oakland Bay Bridge East Span
- Statue of Liberty
- The White House
- Mount Rushmore National Memorial
- McCarran International Airport
- DP World Jebel Ali Port Terminal 2

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Company Profile

Major Innovations

- 1982 “The night the lights went on at Notre Dame Stadium,” said Keith Jackson, broadcaster, made television history by taking sports lighting on the road with Musco mobile lighting systems for broadcast of the Notre Dame vs. Michigan prime time college football game.
- 1987 Made significant technical advancements in providing affordable light control with Level-8™ and Total Light Control™ systems.
- 1991 Introduced the industry’s first sports-lighting system complete from foundation to poletop: Light-Structure System™.
- 1992 Revolutionized NASCAR broadcasts by making night racing at the Winston Cup level possible. Mirtran™ systems were first used at Charlotte Motor Speedway and as of 2017, are in place at 20 speedways and racetracks, including the Daytona International Speedway and the Bahrain International Circuit.
- 1996 Introduced cost-effective, quality lighting for special effects and dramatic player introductions in large indoor arenas. ShowLight™ systems were first used at Charlotte Coliseum and are installed throughout the U.S., England, and Ireland.
- 1999 Introduced technology to dramatically advance on/off capability and facility management. Control-Link® system allows facility managers to control their lighting systems remotely as well as provide critical management reports.
- 2005 Revolutionized the sports lighting industry with the introduction of Green Generation™ technology. This system reduces energy consumption by half, spill light by 50% and includes maintenance & relamping for 25 years. Musco’s Constant 25™ product assurance and warranty program guarantees the system will perform at the designed light levels for the duration of the warranty.
- 2008 Installed a cutting-edge lighting system using LED technology in Washington D.C. at the White House. This system dramatically reduced energy consumption by 87%, while providing a clean, color accurate light.
- 2013 Matched its proven system design and application expertise with the evolving LED technology to provide custom lighting solutions for several major arenas and the East Span of the San Francisco-Oakland Bay Bridge.
- 2016 Introduced TLC for LED™ technology, delivering to customers light control and uniformity never before possible, while virtually eliminating glare and significantly improving efficiency. The system is backed by a 25-year parts and labor warranty.

Television Credits

ABC, CBS, NBC, TBS, TNN, ESPN, ESPN2, FOX, FoxSports, SkyTV, CBC, BTN, ESPNU, Longhorn Network, and Channel 9 (Australia) have relied on Musco to provide quality lighting to meet broadcast requirements.



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Xcel Energy Center
St. Paul, Minnesota, USA



LED Light Source

San Francisco-Oakland Bay Bridge
Oakland, California, USA

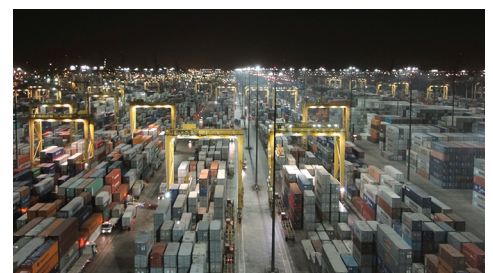


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Twickenham Stadium
England National Rugby
Twickenham, United Kingdom



02 Ski and Resort
Taebaek-si, Gangwon-do, South Korea



DP World Jebel Ali Terminal 1
Dubai, UAE

Football (Soccer)

Abu Dhabi Cricket Club Community Fields #1 & #2

Abu Dhabi, United Arab Emirates

Abu Dhabi Cricket Club Community Field – FIFA #3

Abu Dhabi, United Arab Emirates

Al Ahli Club Football Training

Doha, Qatar

Al Jazira Club

Mohammed bin Zayed Stadium

Abu Dhabi, United Arab Emirates

Al Wahda Club

Al Nahyan Stadium

Abu Dhabi, United Arab Emirates

Al Wahda Club Training Fields Academy – Pitch 3

Abu Dhabi, United Arab Emirates

Aramco Soccer Field

Saudi Arabia, Saudi Arabia

Arcadia Secondary School at Jumeirah Village Triangle

Dubai, United Arab Emirates

FIFA Training Sites

Doha, Qatar

Hamriyah Cultural & Sports Club

Sharjah, United Arab Emirates

Hazza Bin Zayed Stadium

Al Ain, United Arab Emirates

Higher Colleges of Technology

Men's College Soccer

Doha, Qatar

International School of Choueifat

Dubai, United Arab Emirates

Koora Sports Soccer Field – Pitch 2

Abu Dhabi, United Arab Emirates

Northern Emirates Clubs

Al Arabi

Al Jazeera Al Hamra

Al Rams

Masafi

Masfoot

Ras Al Khaimah, United Arab Emirates

Royal Oman Police Soccer

Muscat, Oman

Schools and Colleges

American University of Sharjah

Soccer

Sharjah, United Arab Emirates

Bloom Education – Dwight School

Rugby

Dubai, United Arab Emirates

Dunecrest American School

Soccer

Dubai, United Arab Emirates

GEMS Metropole Motorcity School

Basketball

Dubai, United Arab Emirates

GEMS School at DSO

Shaded Courts

Dubai, United Arab Emirates

Nord Anglia International School

Rugby

Dubai, United Arab Emirates

Golf

Abu Dhabi City Golf Club

Driving Range

Abu Dhabi, United Arab Emirates

Abu Dhabi Golf Club

Hole 19 Extra Tee Practice Green

Abu Dhabi, United Arab Emirates

Akoya Oxygen Driving Range

Dubai, United Arab Emirates

Aramco Dhahran Golf Course

Dhahran, Saudi Arabia

Dubai Hills Golf Club

Practice Area & Driving Range

Dubai, United Arab Emirates

Emaar South Development

Phase 1 Golf Course, Hole 6, 7, 8, 9 & Driving Range

Dubai, United Arab Emirates

Royal Greens Golf Club at King

Abdullah Economic City Driving Range – Back 9

King Abdullah Economic City, Saudi Arabia

Safaa Golf Club Kaust

Jeddah, Saudi Arabia

Trump International Golf Club

Driving Range & Practice Green

Academy Par 3

Dubai, United Arab Emirates

Indoor

Al Ahli Club Multipurpose Hall

Doha, Qatar

Al Ain Equestrian, Shooting and Golf Club Arena

Al Ain, United Arab Emirates

Al Jazira Football Club Arena**

Abu Dhabi, United Arab Emirates

Archery Hall at Losail

Shooting Complex

Doha, Qatar

Armed Forces Officers Club Dome

Indoor Soccer

Abu Dhabi, United Arab Emirates

Motorsports

Al Forsan International Sports Resort

Go Kart Track

Abu Dhabi, United Arab Emirates

Oman Automobile Drifting Area

Muscat, Oman

Yas Marina Circuit

Podium Lighting

Abu Dhabi, United Arab Emirates

Yas Marina Circuit Kartzone

Abu Dhabi, United Arab Emirates

Cricket

Abu Dhabi Cricket Club

Academy Cricket Practice &

International Nets

Abu Dhabi, United Arab Emirates

Abu Dhabi Cricket Club Recreational Ovals

Abu Dhabi, United Arab Emirates

Tennis

Diriyah Season Tennis

Ad Diriyah, Saudi Arabia

Dubai Duty Free Tennis

Dubai, United Arab Emirates

The Club at PDO Ras Hamra

Muscat, Oman

Other

Abu Dhabi Corniche Beach
Abu Dhabi, United Arab Emirates

Abu Dhabi Equestrian Club
Training Area & Riding School
Abu Dhabi, United Arab Emirates

Al Dhaid Flag Pole
Sharjah, United Arab Emirates

Al Fardan Towers
Doha, Qatar

Al Forsan International Sports Resort
2 Football Pitches
Wakeboarding
Marriott Soccer Fields
12 New Soccer Fields
Abu Dhabi, United Arab Emirates

Al Ghazal Golf Club
Rugby
Abu Dhabi, United Arab Emirates

Aramco Little League
Dhahran, Saudi Arabia

DP World
Crane T1
Crane T1 Trolley
Gate 3 Customs Facility & Roadway
General Cargo Berth 30
Marshalling Yard
P & O
Port Rashid HBM Cruise T3 Passenger Entrance
Port Rashid T3 Lighting
Tanker Berths 1, 2, 3, 4, 5, 6, 7 & 9
Terminal 2
Terminal 2 Roadway
Terminal 2 STS Cranes
Terminal 3
Terminal 3 Empty Container Yard
Terminal 3 Inspection Facility
Terminal 3 Strip Yard
Terminal 3 Yard Extension
Terminal 4 STS Cranes
US Naval Yard
Dubai, United Arab Emirates

DP World
Sokhna Port Egypt Inspection Area
Suez, Egypt


Dubai Dry Docks World
Dock 1
Dock Gates
Main Piers and Road
TCF Welding Area
Dubai, United Arab Emirates

EXPO 2020 Conference Exhibition Center
East & West Marshalling Yard
Dubai, United Arab Emirates

Giza Sports Club
Main & Training Pool
Giza, Egypt

Hamad International Airport Maintenance Hanger
Doha, Qatar

KBR Saudi Kayan Olefins
Al-Jubail, Saudi Arabia

King Abdulaziz Equestrian Centre – Frusiyah**
Riyadh, Saudi Arabia

Ministry of Foreign Affairs
Abu Dhabi, United Arab Emirates

National Petroleum Construction Company
Yard Area
Abu Dhabi, United Arab Emirates

Nofa Show Jumping Arena
Riyadh, Saudi Arabia

Sharjah Equestrian Club
Sharjah, United Arab Emirates

Sohar Mosque Dome
Sohar, Oman

Unit 41 Construction Site Lighting - NCP
Al-Jubail, Saudi Arabia

Zabeel Equestrian Wadi Al Aweer Arena
Dubai, United Arab Emirates

Zayed Sports City
Ice Hockey, Tennis, Basketball & Football
Abu Dhabi, United Arab Emirates