

# Quote

Date: 1/23/2025

Project: Miller Park LED Retrofit Phase 2  
Delray Beach, Florida  
Ref: 250970

To: Sam Metott

## Sourcewell

Master Project: 199030, Contract Number: 041123-MSL, Expiration: 06/16/2027  
Category: Sports lighting with related supplies and services

All purchase orders should note the following:  
Sourcewell Purchase – Contract Number: 041123-MSL

### Quotation Price – Materials Delivered to Job Site and Installation

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**Field 2 – 225' Radius .....\$277,002.00**  
**Field 3 and Tee Ball – 300' Radius, 140' Radius .....\$455,482.00**

**Sales tax, bonding, and permitting fees are not included.**

Quote is confidential. Pricing and lead times are effective for 30 days only. Prices are subject to change if the order is not released within 60 days from the date of the purchase.

### SportsCluster® system with Total Light Control – TLC for LED™ technology

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#### Guaranteed Lighting Performance

- Guaranteed light levels of 40/25 FC for fields 2 and 3, 40/30 FC for Tee ball, and 40 FC for the batting cages
- BallTracker® technology – targeted light, optimizing visibility of the ball in play with no glare in the players typical line-of-sight

#### System Description

- Factory-aimed and assembled luminaires
- Pole length factory assembled wire harnesses
- Factory wired and tested remote electrical component enclosures
- Mounting hardware for poletop luminaire assemblies and electrical components enclosures
- Disconnects
- UL listed assemblies
- Enhanced corrosion protection

#### Operation and Warranty Services

- Product assurance and warranty program that covers materials and onsite labor, eliminating 100% of your maintenance costs for 25 years
- Support from Musco's Lighting Services Team – over 170 Team members dedicated to operating and maintaining your lighting system – plus a network of 1800+ contractors

### Musco Scope

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- Provide design and layout for lighting system
- Test and final aim equipment

#### Installation Services Provided – See Attached Scope of Work

### Responsibilities of Buyer

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- Confirm pole or luminaire locations, supply voltage and phase required for lighting system prior to production
- Buyer is responsible for getting electrical power to the site, coordination with the utility, and any power company fees



### **Payment Terms**

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Final payment terms are subject to approval by Musco credit department. Final payment shall not be withheld by Buyer on account of delays beyond the control of Musco.

### **Delivery Timing**

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8 - 12 weeks for delivery of materials to the job site from the time of order, submittal approval, and confirmation of order details including voltage, phase, and pole/luminaire locations.

### **Notes**

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Quote is based on following conditions:

- Shipment of entire project together to one location.
- 480 Volt, 3 phase electrical system requirement.
- Due to the built-in custom light control per luminaire, pole or luminaire locations need to be confirmed prior to production. Changes to pole or luminaire locations after the product is sent to production could result in additional charges.

Thank you for considering Musco for your lighting needs. Please contact me with any questions or if you need additional details.



Sales Representative  
Musco Sports Lighting, LLC  
Phone: 954-629-8446  
E-mail: [tim.imhoff@musco.com](mailto:tim.imhoff@musco.com)

**Miller Park LED Retrofit Phase 2  
Delray Beach, FL  
Retrofit Scope of Work**

**Customer Responsibilities:**

1. Complete access to the site for construction using standard 2-wheel drive rubber tire equipment.
2. Locate existing underground utilities not covered by your local utilities (i.e. water lines, electrical lines, irrigation systems, and sprinkler heads). Musco or Subcontractor will not be responsible for repairs to unmarked utilities.
3. Locate and mark field reference points per Musco supplied layout (i.e. home plate, center of FB field).
4. Ensure usability of existing underground wiring.
5. Pay any necessary power company fees and requirements.
6. Pay all permitting fees.
7. Provide any existing as-built documents or drawings.
8. Provide sealed Electrical Plans (if required).

**Musco Responsibilities:**

1. Provide required fixtures, electrical enclosures, mounts, hardware, wire harnesses, and control cabinets.
2. Provide poletop luminaire assembly for all poles in project.
3. Provide fixture layout and aiming diagram.
4. Provide Contract Management as required.
5. Assist our installing subcontractor and ensure our responsibilities are satisfied.

**Subcontractor Responsibilities**

**General:**

1. Obtain any required permitting.
2. Contact 811 for locating underground public utilities and confirm they have been clearly marked.
3. Contact the facility owner/manager to confirm the existing private underground utilities and irrigation systems have been located and are clearly marked to avoid damage from construction equipment. Notify owner and repair damage to marked utilities. Notify owner and Musco regarding damage which occurred to unmarked utilities.
4. Provide labor, equipment, and materials to offload equipment at jobsite per scheduled delivery.
5. Provide storage containers for material, (including electrical components enclosures), as needed.
6. Provide necessary waste disposal and daily cleanup.
7. Provide adequate security to protect Musco delivered products from theft, vandalism, or damage during the installation.
8. Keep all heavy equipment off playing fields when possible. Repair damage to grounds which exceeds that which would be expected. Indentations caused by heavy equipment traveling over dry ground would be an example of expected damage. Ruts and sod damage caused by equipment traveling over wet grounds would be an example of damage requiring repair.
9. Provide startup and aiming as required to provide complete and operating sports lighting system.
10. Installation to commence upon delivery and proceed without interruption until complete. Musco to be immediately notified of any breaks in schedule or delays.
11. Complete and submit Musco provided closeout checklist including required pictures.



### **Demolition:**

1. Remove and dispose of the existing fixtures, and electrical enclosures. This will include the recycling of lamps, aluminum reflectors, ballast, and steel, as necessary.
2. Leave existing ground wires and power feed in place for connection to new lighting equipment.

### **Retrofit Musco Equipment to Existing Poles:**

1. Provide labor, materials, and equipment to assemble and install Musco TLC for LED® equipment on existing poles and terminate grounding and power feed. Power feed may need to be reworked to adapt to the new Musco equipment.
2. Ensure grounding components meet minimum standards required by NEC and NFPA780.
3. For concrete poles, provide new lightning down conductor(aluminum) and  $\frac{5}{8}$  in copper ground rod. For poles 75 ft (22 m) or less use 1/0 AWG, poles over 75 ft (22 m) use 4/0 AWG conductor. Bond internal pole ground to new down conductor.
4. For steel poles, provide new ground rod and pole bonding conductor per NFPA Annex A.1.6.
5. Down conductor shall be converted to copper wire for any underground runs and bonded to ground rod(s).
6. Ensure all Musco components are bonded to both equipment and lightning grounds. No upward sweeps allowed for lightning down conductor or bonding jumper(s). See installation instructions for further information.
7. Test ground resistance with 3-point ground resistance test, using instructions provided. Confirm 25 ohms or less for each pole. Install additional ground rods or create grounding grid until resistance of 25 ohms or less is achieved. Record all results on form provided and submit readings to Musco.

### **Electrical:**

1. Provide materials, and equipment to reuse existing electrical service panels as required.
2. Provide materials, and equipment to reuse existing electrical wiring as permitted.
3. Complete electrical installation per Musco Control System Summary and Musco Best Practices: Supply Wiring Installation document. If there are any discrepancies between Musco documents and electrical plans (if present), notify your Musco contact.
4. Complete required insulation resistance tests on all current-carrying conductors per ANSI/NETA ATS-2021. Use the instructions and forms provided by Musco to provide test results to your Musco contact. Ensure conduits are full of water prior to testing. Any new conductors with resistance values less than (<) 100 MOhms - phase to ground - must be repaired or replaced to meet the standard. Any existing conductors with resistance values less than (<) 100 MOhms - phase to ground - must be reported to your Project Manager or Sales Coordinator.
5. Underground splices are strongly discouraged. Disconnects in light poles are rated for multiple conductors to allow for daisy-chains - if required by electrical plans. If underground splicing cannot be avoided, use only listed connector systems, rated for wet locations.