

SECTION 00 90 20 ADDENDUM NO. 2

Project: Prosperity Parks Improvements

Prosperity, SC 29127

23235

Date: 28 October 2025

To: All Bid Document Holders

This Addendum forms a part of the contract documents and modifies the bidding documents with amendments and additions noted below.

Acknowledge receipt of this addendum in the space provided in the bid form. Failure to do so may render the bid unresponsive.

Manufacturers and products indicated as an "approved substitution" shall be accepted as equal for the manufacturers given in the contract documents. It is understood that the products submitted for these manufacturers must still meet the specifications of the project, and can be rejected if after review, are determined to be not equal to the product called out in the contract documents.

GENERAL

- The following additional lighting fixture & control manufacturers are approved:
 - o Endeavor Lighting
 - Kim Lighting
 - o LSI Industries
 - o NX Lighting Controls
 - o SolarPath Sun Solutions
 - Valmont Industries
- Question 1 Received: "The Bid form page 5 section M refers to the Schedule
 of Values form. Will this form be required to be completed by only the low
 bidder or all bidders? Can this be emailed or does it need to be hand delivered
 to the place designated for receipt of bids as stated? What is the purpose of
 the SOV? Will it be used for the billing SOV for the job, or is it to compare
 pricing by line item from all bidders?"
 - Response: Please refer to 00 41 00 Section M, "This Schedule of Values is part of the BID and shall be e-mailed to the office of the Architect at <u>Igetty@dp3architects.com</u> and the Construction Manager Josh Kale at <u>jkale@claytonconstruction.net</u> within 24 hours after the Bid Date and Time"
 - The purpose of the Schedule of Vaues is to compare pricing by line item from all bidders. Any bidder in competition for the low bid is required to provide the SOV to validate their bid. It is not required to be provided

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at the bid opening, but within 24 hours of the bid opening by the 3-4 bidders that are in the running for the low bid.

- Question 2 Received: "Please confirm striping is to be included on the base bid gravel lots."
 - o Response: No, striping is not included on the base bid gravel lots, only in alternates No. 1 and 2 for the paved lots.
- Question 3 Received: "On the Town Square scope, is the GC responsible for light pole relocation, or just coordination?"
 - Response: On the Town Square scope, the GC is responsible for executing the light pole relocation. They must coordinate with the Town of Prosperity to have a representative onsite for oversight.
- Question 4 Received: "On the Town Square scope, is the GC responsible for water meter relocation, or just coordination?"
 - Response: On the Town Square scope, the GC is responsible for water meter relocation and coordinating with the Town of Prosperity to have a representative onsite for oversight. The Town of Prosperity will provide a new water meter for the contractor to install in the new location.
- Question 5 Received: "On the Town Square scope, the brick paver & concrete ribbon curb layout vary between C-101 & A5.01. Which should we follow?"
 - Response: Drawing A5.01 has been revised to match C-101, attached in this addendum.
- Question 6 Received: "On the Town Square scope, please verify the quantity of the fire chief arborvitae."
 - o Response: Drawing L-101 has been revised, attached to this Addendum. The quantity of fire chief arborvitae is 3.
- Question 7 Received: "On the Town Square scope, there appears to be a monument sign shown in plan view on the northeast corner on sheet L-101. Please confirm whether there is a sign, & if so, provide details."
 - Response: Drawing L-101 has been revised, attached to this addendum.
 There is not a monument sign included in the scope.
- Question 8 Received: "On the Town Square scope, please provide info on the logistics of the engraved donor pavers. Is the contractor to install them unengraved, & they are removed & reinstalled by others each time one or more pavers is to be engraved? Who is responsible for adding polymeric sand to the joints once all donor engraved pavers are installed per detail 5/L-102?"
 - Response: The GC is to set all pavers in regular sand (not polymeric) so that the pavers can be removed later and replaced with engraved donor pavers. Ensure the original basketweave pattern with concrete ribbon curb is preserved to ensure that the bricks do not move. Once the engraved donor pavers are provided by the town, the GC is then to install the engraved pavers from the Poligon structure to the water feature interspersed with regular pavers and set in polymeric sand per detail 5/L-102.
- Question 9 Received: "On the Town Square scope, please provide details on the custom paver cover depicted on sheet A5.01."
 - Response: Please refer to the Project Manual for specification section 26 05 43-2.03-A-3-a and 2.03-B-1-f.

- Question 10 Received: "Will the town (or the county) be providing the water meters & backflow preventers called out for this project?"
 - Response: The Town of Prosperity will provide the water meters called out for this project, but the contractor is responsible for providing backflow preventers and water service lines for all parks.
- Question 11 Received: "What size gravel is to be utilized in the parking lots (#57, #78, etc.)?"
 - Response: The gravel should be #57 stone and meet the minimum compaction requirements.
- Question 12 Received: "Do you want a stop bar at the southern parking lot at North Main?"
 - o Response: Yes, the contractor should include a stop bar at the southern parking lot with Alternate No. 2.
- Question 13 Received: "Can the stripping be spread on-site at any of the locations or must they be hauled off?"
 - Response: Stripping may be used in landscaped areas within the limits of disturbance. It cannot be used as structural fill or in vehicular traffic areas
- Question 14 Received: "Is there to be handicapped parking signage at Langford Park?"
 - o Response: Yes, there should be two handicap parking space signs installed in front of the two proposed ADA spaces.

PROJECT MANUAL

Section 26 55 68 - ATHLETIC FIELD LIGHTING

- Section 1.01-B-3: Deleted paragraph in its entirety and replaced with the following:
 - 3. Acceptable alternate manufacturers:
 - a. Musco Lighting.
 - b. Qualite.
 - c. WiLLsport Lighting.
- Section 1.02-D: Deleted paragraph in its entirety and replaced with the following:
 - D. The minimum number of fixtures on each pole shall be five (5).
- Section 1: 2.01-C-4-a: Deleted paragraph in its entirety and replaced with the following:
 - Drivers may be integrated to the fixture or remote. Supporting electrical equipment shall be mounted approximately 10 feet above grade in aluminum enclosures. The enclosures shall be touch-safe and include disconnect, surge protection and fusing.

DRAWINGS

23235-B Town Center Park Drawing E0.01 – ELECTRICAL LEGEND AND LIGHT FIXTURE SCHEDULE

 Approved Substitutions: Refer to attached Light Fixture Submittals; Approval conditional on confirmation that fixtures are available in the specified finishes and mounting configurations.

23235-D Town Square Drawing A5.01 - ARCHITECTURAL KEY SITE PLAN

• Revised brick paver and concrete ribbon curb layout to match C-101.

23235-D Town Square Drawing L-101 – LANDSCAPE PLAN

- Revised quantity of Fire Chief Arborvitae on Plant Schedule.
- Removed monument sign from northeast corner of plan.

ATTACHMENTS:

- Project Manual Section 26 55 68 ATHLETIC FIELD LIGHTING REVISED
- Light Fixture Substitution Submittal Musco Lighting
- Light Fixture Substitution Submittal Qualite Sports Lighting
- Town Center Park Drawing A5.01 Rev B
- Town Square Drawing L-101 Rev B

END OF SECTION

SECTION 26 55 68 ATHLETIC FIELD LIGHTING

PART 1 - GENERAL

1.01 SUMMARY

- A. Work covered by this section of the specifications shall conform to the contract documents, engineering plans as well as state and local codes.
- B. The purpose of these specifications is to define the lighting system performance and design standards for the project athletic field using an LED lighting source. The manufacturer / contractor shall supply lighting equipment to meet or exceed the standards set forth in these specifications.
 - 1. Basis of Design: Geo Sport.
 - 2. The local Geo Sport Lighting representative is Mike Torrence with Torrence Sports Lighting, Inc. Phone number is 704-953-0680 and email address is mtorrence@tsportslight.com.
 - 3. Acceptable alternate manufacturers:
 - a. Musco Lighting.
 - b. Qualite Lighting.
 - c. WiLLsport Lighting.
- C. The sports lighting will be for the following venues:
 - 1. Soccer.
- D. The primary goals of this sports lighting project are:
 - 1. Guaranteed Light Levels: Selection of appropriate light levels impact the safety of the players and the enjoyment of spectators. Therefore, light levels are guaranteed to not drop below specified target values for a period of 10 years.
 - 2. Environmental Light Control: It is the primary goal of this project to minimize spill light to adjoining properties and glare to the players, spectators and neighbors.
 - 3. Cost of Ownership: In order to reduce the operating budget, the preferred lighting system shall be energy efficient and cost effective to operate. All maintenance costs shall be eliminated for the duration of the warranty.

1.02 LIGHTING PERFORMANCE

A. Illumination Levels and Design Factors: Playing surfaces shall be lit to an average target illumination level and uniformity as specified in the chart below. Lighting calculations shall be developed and field measurements taken on the grid spacing with the minimum number of grid points specified below. Appropriate light loss factors shall be applied and submitted for the basis of design. Average illumination level shall be measured in accordance with the IESNA LM-5-04 (IESNA Guide for Photometric Measurements of Area and Sports Lighting Installations). Illumination levels shall not to drop below desired target values in accordance to IES RP-6-15, Page 2, Maintained Average Illuminance and shall be guaranteed for the full warranty period.

Area of Lighting	Average Target Illumination Levels	Maximum to Minimum Uniformity Ratio	Grid Points	Grid Spacing
Soccer	30 FC	2:1	96	30.0' X 30.0'

- B. Color: The lighting system shall have a minimum color temperature of 5700K and a minimum CRI of 70
- C. Mounting Heights: To ensure proper aiming angles for reduced glare and to provide better playability, minimum mounting heights shall be as described below. Higher mounting heights may be required based on photometric report and ability to ensure the top of the field angle is a minimum of 10 degrees below horizontal.
- D. The minimum number of fixtures on each pole shall be five (5).

1.2 ENVIRONMENTAL LIGHT CONTROL

A. Light Control Luminaires: All LED luminaires shall utilize spill light and glare control devices including, but not limited to, internal shields, louvers and external visors.

PART 2 - PRODUCT SPORTS LIGHTING SYSTEM CONSTRUCTION

- A. Manufacturing Requirements: All components shall be designed and manufactured as a system. All luminaires, wire harnesses, drivers and other enclosures shall be factory assembled, aimed, wired and tested.
- B. Durability: All exposed components shall be constructed of corrosion resistant material and/or coated to help prevent corrosion. All exposed carbon steel shall be hot dip galvanized per ASTM A123. All exposed aluminum shall be powder coated with high performance polyester or anodized. All exterior reflective inserts shall be anodized, coated, and protected from direct environmental exposure to prevent reflective degradation or corrosion. All exposed hardware and fasteners shall be stainless steel, passivated and coated with aluminum-based thermosetting epoxy resin for protection against corrosion and stress corrosion cracking. Structural fasteners may be carbon steel and galvanized meeting ASTM A153 and ISO/EN 1461 (for hot dipped galvanizing), or ASTM B695 (for mechanical galvanizing).
- C. System Description: Lighting system shall consist of the following:
 - 1. Galvanized direct embedded steel poles and cross-arm assembly.
 - 2. Non-approved pole technology:
 - a. Wood and concrete poles will not be accepted.
 - b. All luminaires shall be the same wattage and size. Manufacturers utilizing multiple wattage and differing sized fixtures on the same poles and fields will not be accepted.
 - 3. Lighting systems shall use concrete encased direct burial steel poles.
 - 4. Manufacturer will supply all drivers and supporting electrical equipment.
 - a. Drivers may be integrated to the fixture or remote. Supporting electrical equipment shall be mounted approximately 10 feet above grade in aluminum enclosures. The enclosures shall be touch-safe and include disconnect, surge protection and fusing.

- b. Manufacturer shall provide surge protection at the pole equal to or greater than 75 kA for each line to ground (Common Mode) as recommended by IEEE C62.41.2 2002.
- 5. Wire harness complete with an abrasion protection sleeve, strain relief and plug-in connections for fast, trouble-free installation.
- 6. All luminaires, visors, and cross-arm assemblies shall withstand 150 mi/h winds and maintain luminaire aiming alignment.
- 7. Manufacturer shall provide lightning grounding as defined by NFPA 780 and be UL Listed per UL 96 and UL 96A.
 - a. Integrated grounding via concrete encased electrode grounding system.
 - b. If grounding is not integrated into the structure, the manufacturer shall supply grounding electrodes, copper down conductors, and exothermic weld kits. Electrodes and conductors shall be sized as required by NFPA 780. The grounding electrode shall be minimum size of 5/8 inch diameter and 8 feet long, with a minimum of 10 feet embedment. Grounding electrode shall be connected to the structure by a grounding electrode conductor with a minimum size of 2 AWG for poles with 75 feet mounting height or less, and 2/0 AWG for poles with more than 75 feet mounting height.
- D. Safety: All system components shall be UL listed for the appropriate application.

2.02 ELECTRICAL

- A. Electric Power Requirements for the Sports Lighting Equipment:
 - 1. Electric power: Per Electrical Plans
 - 2. Maximum total voltage drop: Voltage drop to the disconnect switch located on the poles shall not exceed three (3) percent of the rated voltage.

2.03 STRUCTURAL PARAMETERS

- A. Sports lighting pole base details shall be designed by a Licensed Professional Structural Engineer from the State of South Carolina and included in the sports lighting package. Stamped engineered designs for pole bases shall be included in shop drawing submittals.
- B. Wind Loads: Wind loads shall be based on ASCE 7-10, Risk Category II 115mph for Prosperity, SC
- C. Poles shall conform to 2013 AASHTO Standard Specification for Structural Supports for Highway Signs, Luminaires, and Traffic Signals (LTS-6).
- D. Foundation Design: The foundation design shall be based on soil parameters as outlined in the geotechnical report. If no geotechnical report is available, the foundation design shall be based on soils that meet or exceed those of a Class 5 material as defined by 2021 SC Building Code Table 1806.2.

PART 3 - EXECUTION

3.01 SOIL QUALITY CONTROL

- A. It shall be the Contractor's responsibility to notify the Owner if soil conditions exist other than those on which the foundation design is based, or if the soil cannot be readily excavated.

 Contractor may issue a change order request / estimate for the Owner's approval / payment for additional costs associated with:
 - 1. Providing engineered foundation embedment design by a registered structural engineer in the State of South Carolina for soils other than specified soil conditions.
 - 2. Geo Tech Report to be provided by the owner to for the pole structural engineer to design and stamp the foundation drawings.
 - 3. Excavation and removal of materials other than normal soils, such as rock, caliche, etc.

3.02 DELIVERY TIMING

A. Delivery Timing Equipment On-Site: The equipment must be on-site 10 – 12 weeks from receipt of approved submittals and receipt of complete order information.

3.03 FIELD QUALITY CONTROL

- A. Illumination Measurements: Upon substantial completion of the project and in the presence of the Contractor, Project Engineer, Owner's Representative, and Manufacturer's Representative, illumination measurements shall be taken and verified. The illumination measurements shall be conducted in accordance with IESNA LM-5-04.
- B. Field Light Level Accountability
 - 1. Light levels are guaranteed not to fall below the target maintained light levels for the entire warranty period of 10 years. These levels will be specifically stated as "guaranteed" on the illumination summary provided by the manufacturer.
 - 2. The contractor/manufacturer shall be responsible for conducting initial light level testing and an additional inspection of the system, in the presence of the owner, one year from the date of commissioning of the lighting.
 - The contractor/manufacturer will be held responsible for any and all changes needed to bring these fields back to compliance for light levels and uniformities.
 Contractor/Manufacturer will be held responsible for any damage to the fields during these repairs.
- C. Correcting Non-Conformance: If, in the opinion of the Owner or his appointed Representative, the actual performance levels including foot-candles and uniformity ratios are not in conformance with the requirements of the performance specifications and submitted information, the Manufacturer shall be required to make adjustments to meet specifications and satisfy Owner.

3.4 WARRANTY AND GUARANTEE

A. 10-Year Warranty: Each manufacturer shall supply a signed warranty covering the entire system for 10 years from the date of shipment. Warranty shall guarantee specified light levels.

- Manufacturer shall maintain specifically funded financial reserves to assure fulfillment of the warranty for the full term. Warranty does not cover weather conditions events such as lightning or hail damage, improper installation, vandalism or abuse, unauthorized repairs or alterations, or product made by other manufacturers.
- B. Maintenance: Parts and labor shall be covered such that individual luminaire outages will Be repaired when the usage of any field is materially impacted. Manufacturer is responsible for removal and replacement of failed luminaires, including all parts, labor, shipping, and equipment rental associated with maintenance. Owner agrees to check fuses in the event of a luminaire outage.

PART 4 - DESIGN APPROVAL

4.0 PRE-BID SUBMITTAL REQUIREMENTS (Non-GeoSport)

- A. Design Approval: The owner / engineer will review pre-bid submittals per section 4.0.B from all the manufacturers to ensure compliance to the specification by the date outlined in the Instructions to Bidders. If the design meets the design requirements of the specifications, a letter and/or addendum will be issued indicating approval for the specific design submitted.
- B. Approved Product: GeoSport Lighting System with CLIR TSL 650w LED is the approved product. All substitutions must provide a complete submittal package for approval as outlined in Submittal Information at the end of this section by the date outlined in the Instructions to Bidders. Special manufacturing to meet the standards of this specification may be required. An addendum will be issued prior to bid listing any other approved lighting manufacturers and designs.
- C. All listed manufacturers not pre-approved shall submit the information at the end of this section at least 10 days prior to bid. An addendum will be issued prior to bid; listing approved lighting manufacturers and the design method to be used.
- D. Bidders are required to bid only products that have been approved by this specification or addendum by the owner or owner's representative. Bids received that do not utilize an approved system/design, will be rejected.

END OF SECTION

MUSCO LIGHTING PREBID SUBMITTAL FOR PRODUCTION PREPARED FOR:

Prosperity Park

Lighting Project Prosperity, SC October 20, 2025

Project #248675

Submitted by:
Musco Sports Lighting, LLC

Attn: Sarah Padilla 211 2nd Ave West Oskaloosa, lowa 52577

Toll Free: 800-825-6020



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A. LETTER & CHECKLIST



REQUIRED SUBMITTAL INFORMATION FOR ALL MANUFACTURERS (NOT PRE-APPROVED)

All items listed below are mandatory, shall comply with the specification and be submitted according to pre-bid submittal requirements. Complete the Yes/No column to indicate compliance (Y) or noncompliance (N) for each item. Submit checklist below with submittal.

Yes/			Compliance (N) for each item. Submit oneconst below with submittal.
No	Tab	Item	Description
/	Α	Letter/ Checklist	Listing of all information being submitted must be included on the table of contents. List the name of the manufacturer's local representative and his/her phone number. Signed submittal checklist to be included.
<	В	Equipment Layout	Drawing(s) showing field layouts with pole locations
✓	С	On Field & Off Field Lighting Design	 Lighting design drawing(s) showing: a. Field Name, date, file number, prepared by b. Outline of field(s) being lighted, as well as pole locations referenced to the center of the field (x & y), Illuminance levels at grid spacing specified c. Pole height, number of fixtures per pole, horizontal and vertical aiming angles, as well as luminaire information including wattage, lumens and optics d. Height of light test meter above field surface. e. Summary table showing the number and spacing of grid points; average, minimum and maximum illuminance levels in foot candles (fc); uniformity including maximum to minimum ratio, coefficient of variance (CV), coefficient of utilization (CU) uniformity gradient; number of luminaries, total kilowatts, average tilt factor; light loss factor.
✓	D	Performance Guarantee	Provide performance guarantee including a written commitment to undertake all corrections required to meet the performance requirements noted in these specifications at no expense to the owner. Light levels must be guaranteed to not fall below target levels for warranty period.
\	Е	Structural Calculations	Pole structural calculations and foundation design showing foundation shape, depth backfill requirements, rebar and anchor bolts (if required). Pole base reaction forces shall be shown on the foundation drawing along with soil bearing pressures. Design must be sealed by a structural engineer licensed in the state of South Carolina. (May be supplied upon award).
N/A	F	Control System	N/A
✓	G	Warranty	Provide written warranty information including all terms and conditions. Provide five (5) references of customers currently under specified warranty in the state of South Carolina.
✓	Н	Project References	Manufacturer to provide a list of five (5) projects where the technology and specific fixture proposed for this project has been installed in the state of South Carolina. Reference list will include project name, project city, installation date, and if requested, contact name and contact phone number.
/	I	Product Information	Complete bill of material and current brochures/cut sheets for all product being provided.
N/A	J	Non- Compliance	Manufacturer shall list all items that do not comply with the specifications. If in full compliance, tab may be omitted.

The information supplied herein shall be used for the purpose of complying with the specifications for this Project. By signing below, I agree that all requirements of the specifications have been met and that the manufacturer will be responsible for any future costs incurred to bring their equipment into compliance for all items not meeting specifications and not listed in the Non-Compliance section.

Manufacturer:	Signature:
Contact Name:	Date:/
Contractor:	Signature:

B. EQUIPMENT LAYOUT













Prosperity Parks

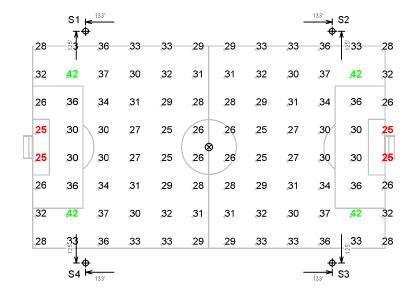
Prosperity,SC

Sales Representative: Brian Hartman 🕟 Designed By: D.Alexander 🕟 Design No.: 248675A 🕟 October 15, 2025

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Εqι	Equipment List For Areas Shown									
Structure				Fixtures						
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS		
4	S1-S4	70'	-	70'	TLC-LED-1500	5	5	0		
4	Totals						20	0		

Above Field Level is height of fixtures above area shown



Prosperity Parks

Prosperity,SC

Grid Summary

Name: Soccer
Size: 380' x 218'
Spacing: 34.0' x 30.0'
Height: 3.0' above grade

Illumination Summa	Illumination Summary							
	MAINTAINED HORIZONTAL FOOTCANDLE							
	Entire Grid							
Guaranteed Average:	30							
Scan Average:	30.92							
Maximum:	42.42							
Minimum:	25.12							
Avg/Min:								
Guaranteed Max/Min:	2.0							
Max/Min:	1.69							
UG (adjacent pts):	1.37							
CU:	0.83							
No. of Points:	96							
FIXTURE INFORMATION								
Applied Circuits:	A							
No. of Fixtures:	20							
Total Load:	28.20 kW							

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions.

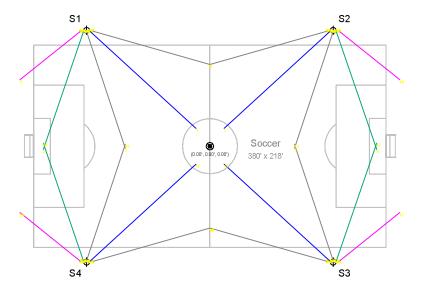
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

 $\label{local-problem} \begin{array}{ll} \textbf{Installation Requirements:} & \text{Results assume} \pm 3\% \\ \text{nominal voltage at line side of the driver and structures} \\ \text{located within 3 feet (1m) of design locations.} \end{array}$



Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) \boxtimes





Prosperity Parks Prosperity,SC Equipment Layout

INCLUDES:

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

 $\begin{tabular}{ll} \textbf{Installation Requirements:} & Results assume $\pm 3\%$ nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations. \end{tabular}$

Equipment List For Areas Shown								
	Str	ucture			Fixtures			
QTY	STRUCTURE ID	SIZE	GLOBAL ELEVATION	ABOVE GLOBAL LEVEL	FIXTURE TYPE	QTY/POLE		
4	S1-S4	70'	-	70'	TLC-LED-1500	5		
4		Totals						

Above Global Level is height of fixtures above design (0,0,0)

Single Fixture Amperage Draw Chart Driver Specifications Line Amperage Per Fixture							
Line Amperage Per Fixture							
(max draw)							
208	220	240	277	347	380	480	
(60)	(60)	(60)	(60)	(60)	(60)	(60)	
8.4	7.9	7.3	6.3	5.0	4.6	3.6	
	208 (60)	208 220 (60) (60)	Line Ampr (n 208 220 240 (60) (60) (60)	Line Amperage F (max dra 208 220 240 277 (60) (60) (60) (60)	Line Amperage Per Fixti (max draw) 208 220 240 277 347 (60) (60) (60) (60) (60) (60)	Line Amperage Per Fixture (max draw)	





Pole location(s) \oplus dimensions are relative to 0,0 reference point(s)

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C. ON FIELD/OFF FIELD LIGHTING DESIGN

See Equipment Layout



D. PERFORMANCE GUARANTEE



Project Submittal: Performance Guarantee

Musco hereby guarantees compliance with the following specifications for your project. Constant light levels are guaranteed for the length of time specified in your warranty.

Field	Constant Average Illumination	Uniformity	Lamp Tilt Factor	Average kW Demand
Soccer	30fc/30fc	2.0:1.0	1.0	23

This guarantee is dependent upon the following:

- All test stations matched exactly to the number and location of points supplied with the Musco computer generated light scan for constant light levels.
- Pole placement must be within 3 feet of Musco recommendation.
- Voltage supply to the ballast of all fixtures must be no less than 97% of the designed secondary voltage.

In the unlikely event that these performance specifications are not met, Musco shall provide necessary corrective action at no expense to the owner.

We trust this meets with your approval.

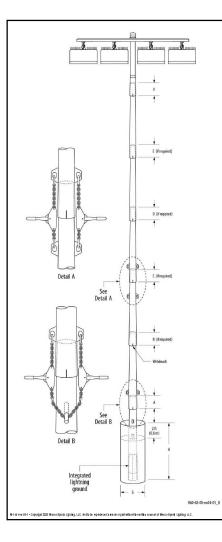
Musco Sports Lighting, LLC

Jeff Rogers CEO



E. STRUCTURAL





1	TABLE 1: P	OLE ASSEM	IBLY
POLE	POLE HEIGHT ft (m)	# OF LUMINAIRES	ASSEMBLED POLE WEIGHT : ID (Kg)
S1	70 (21.3)	5	1831 (831)
\$2	70 (21.3)	5	1831 (831)
53	70 (21.3)	5	1831 (831)
S4	70 (21.3)	5	1831 (831)

PRELIMINARY FOUNDATION AND POLE ASSEMBLY DRAWING

	TABLE 2: FOUNDATION DETAILS							
POLE ID	CONCRETE BASE WEIGHT ID(Kg)	G in (mm)	BURIAL I H ft (m)	NFORMATION ^{9,4} CONCRETE BACKFILL ^{1,2} yd ³ (m ³)	CUT BASE	LIGHTNIN TYPE	G GROUND S SUPPLEMENTA INSTRUCTION	
S1	2740 (1243)	30 (762)	12 (3.7)	1.5 (1.1)	NO	INTEGRATED®	N/A	
S2	2740 (1243)	30 (762)	12 (3.7)	1.5 (1.1)	NO	INTEGRATED®	N/A	
S3	2740 (1243)	30 (762)	12 (3.7)	1.5 (1.1)	NO	INTEGRATED®	N/A	
54	2740 (1243)	30 (762)	12 (3.7)	1.5 (1.1)	NO	INTEGRATED®	N/A	

- Foundation Notes:

 1. Concrete backfill is calculated to 2 ft (0 6m) below grade (no overage included). Top 2 ft (0 6m) to be class 5 soil compacted to 85% idensity of surrounding undisturbed soil unless otherwise specified in stamped structural design.

 2. Concrete backfill inequires 3000 lbs/r (20 MPa) immirum.

 5. Foundation design per 2018 lBc // 10 mgm, exposure category C, variation STD (Risk Category II).

 4. Assumes IBC class 5 soils.

 5. Standard bases include integrated lightning protection. If bases are cut, supplemental lightning protection is required. Contact Musco for materials and instruction.

 6. Lightning protection is a ramufacture installed concrete encased electrode and connector. Ground connection is made when concrete base is installed and footing is poured. No additional steps required.

Date: 10/16/2025

Page: 1 of 1 PRELIMINARY



Pole Assembly Notes:

1. Steel pole should overlap concrete base and be seated tight with 1 1/2 ton corre-alongs (contractor provides).

2. Align weldmarks on steel sections before assembling.

3. Assembled pole weight includes steel sections, crossarris, luminaires, and electrical components enclosures. If pole has stamped structural design document use pole veight (listed as weitar) force) on the stamped structural design document.

4. Section overlap must be pulled together until tight. Overlap measurement should be +/- 6 in (150 mm).

5. This document is not intended for use as an assembly instruction. See *Installation Instructions Light-Structure System™ Lighting System** for complete assembly procedure.

F. CONTROL SYSTEM



G. WARRANTY





Musco Constant 10

10-Year Product Assurance & Warranty Program

Project name:		Project number:				
Owner:	City: State:					
$\textbf{Covered product(s):} \underline{\textbf{QuickFit}^{\intercal M} \ \textbf{System Upgrade},}$	Light-Structure System™					
Date issued:	Expiration:					

Musco Sports Lighting, LLC will provide all materials and labor to maintain operation of your lighting system to original design criteria for 10 years. Musco products and services are guaranteed to perform on your project as detailed in this document.

Light Performance

Specified illumination levels will be maintained and are marked as guaranteed in the Musco Illumination Summary. Individual luminaire outages that occur during the warranty and maintenance period are repaired when the usage of any field is materially impacted.

Spill Light Control

If specified, spill light levels at identified locations are guaranteed to be controlled to the maximum values provided in the Musco Illumination Summary.

Energy Consumption

Total average kW consumption for your lighting system is guaranteed to be not more than the total load shown in the Musco Illumination Summary.

Maintenance Services

During the warranty period, Musco will dispatch technicians when notified of a luminaire outage that materially impacts the use of the field.

Structural Integrity

Your project has been designed to	
Structural integrity of adulpment manufactured by Musco is duaranteed	

Musco has a team to ensure fulfillment of our product and services warranty and maintains financial reserves dedicated to support our fulfillment of this warranty. Please keep this document as your signed contract guaranteeing comprehensive service for the 10 year period.



Musco Constant 10™

10-Year Product Assurance & Warranty Program

Terms and Conditions

Service under this Contract is provided by Musco Sports Lighting, LLC ("Musco") or an authorized servicer approved by Musco. Services performed under this Contract shall consist of furnishing labor and parts necessary to restore the operation of the Covered Product(s) to original design criteria provided such service is necessitated by failure of the Covered Product(s) during normal usage. This Contract covers Musco manufactured product(s) listed on page 1.

"We", "us," and "our" mean Musco. "You" and "your" mean the purchaser of the Covered Product(s). No one has the authority to change this Contract without the prior written approval of Musco. Musco shall not assume responsibility for their agents or assignees other than as described below. If there is a conflict between the terms of this Contract and information communicated either orally or in writing by one or more of our employees or agents, this Contract shall control.

Additional Provisions

- 1. Availability of Service: Maintenance service specialists shall be available 8AM to 5PM Central Time, and services shall be rendered during these same hours in your local time zone, Monday through Friday (with the exception of national holidays). Hours of operation are subject to change without notice to you. Musco will exercise all reasonable efforts to perform service under this Contract, but will not be responsible for delays or failure in performing such services caused by adverse weather conditions, acts of any government, failure of transportation, accidents, riots, war, labor actions or strikes or other causes beyond its control.
- 2. Determination of Repairs: Musco will utilize any information provided by the customer to determine when the usage of the field is materially impacted. From this information, Musco will determine needed repair and/or replacement of Covered Product(s) and parts. Repair will be with Product(s) of like kind and quality.
- 3. Your Requirements Under this Contract: You must meet all electrical and installation requirements as specified by the manufacturer. In addition, you promise and assure: full cooperation with Musco, Musco's technicians and authorized servicers during telephone diagnosis and repair of the Covered Product(s); reasonable accessibility of the Covered Product(s); a non-threatening and safe environment for service.

You agree to check fuses and to replace fuses as needed. Musco provides spare fuses in the lowest alpha-numeric numbered enclosure. Musco will replenish spare fuses used.

4. Service Limitations — This Contract does not cover:

Maintenance, repair, or replacement necessitated by loss or damage resulting from any external causes such as, but not limited to, theft, environmental conditions, negligence, misuse, abuse, improper electrical/power supply, unauthorized repairs by third parties, attachments, damage to cabinetry, equipment modifications, vandalism, animal or insect infestation, physical damage to Covered Product(s) parts or components, failure of existing structures, supporting electrical systems or any non-Musco equipment, or acts of nature (including, but not limited to: earthquake, flood, tornadoes, typhoons, hurricanes, or lightning).

5. Contract Limitations:

a. EXCLUSIONS FROM COVERAGE: IN NO EVENT WILL MUSCO BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES WHICH INCLUDE, BUT ARE NOT LIMITED TO, ANY DELAY IN RENDERING SERVICE OR LOSS OF USE DURING THE REPAIR PERIOD OF THE COVERED PRODUCT(S) OR WHILE OTHERWISE AWAITING PARTS.

- b. LIMITATION OF LIABILITY: To the extent permitted by applicable law, the liability of Musco, if any, for any allegedly defective Covered Product(s) or components shall be limited to repair or replacement of the Covered Product(s) or components at Musco's option. THIS CONTRACT IS YOUR SOLE EXPRESS WARRANTY WITH RESPECT TO THE COVERED PRODUCT(S). ALL IMPLIED WARRANTIES WITH RESPECT TO THE COVERED PRODUCT(S) INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXPRESSLY EXCLUDED.
- c. For the purposes of and by your acceptance of this Contract you acknowledge and agree that if a surety bond ("Bond") is provided the warranty and/or maintenance guarantee provided for in this Contract and any corresponding liability on behalf of the issuing surety under the Bond is limited to the first twelve (12) months of said warranty and/or maintenance guarantee coverage period. Any warranty and/or guarantee coverage period in excess of said initial 12 month period does not fall within the scope of the Bond and shall be the sole responsibility of Musco.
- d. Musco requires reasonable access for a crane or man lift equipment to service the lighting system. Musco will not be responsible for damage from operating the vehicle on the property when the equipment is operated in the prescribed manner over the designated access route.
- e. Obsolescence or Environmental Restrictions: If during any maintenance or other work performed under this Warranty, any of the parts of the Covered Product(s) are found to be either obsolete, no longer available, or prohibited by any state of federal agency, Musco shall replace said parts with comparable parts and materials with equal operating characteristics solely at Musco's discretion. The cost of replacement of any obsolete cellular related technology shall be borne by you. Prior to completing any such work, Musco shall notify you of the cost (if any) you will incur in the replacement of such parts under this section.
- 6. Transfer and Assignment: Except to owners, you shall not have the right to assign or otherwise transfer your rights and obligations under this Contract except with the prior written consent of Musco; however, a successor in interest by merger, operation of law, assignment or purchase or otherwise of your entire business shall acquire all of your interests under this Contract.
- **7. Governing Law:** The Contract shall be interpreted and enforced according to the laws of the project location.
- **8. Subrogation:** In the event Musco repairs or replaces any Covered Product(s), parts or components due to any defect for which the manufacturer or its agents or suppliers may be legally responsible, you agree to assign your rights of recovery to Musco. You will be reimbursed for any reasonable costs and expenses you may incur in connection with the assignment of your rights. You will be made whole before Musco retains any amounts it may recover.

Signature:		
	CEO	

H. PROJECT REFERENCES



MEET YOUR MUSCO TEAM Brian Hartman

Brian Hartman is Musco's field sales representative in South Carolina. Since joining the Musco team in 2013, he's helped hundreds of customers plan for new sports lighting installations and retrofit system upgrades that meet their project needs. With a background in customer service and experience living in five states (Alabama, Arizona, Illinois, Iowa, and now South Carolina), he's dedicated to serving as a trusted and reliable resource for every client.



Since 1976, Musco has specialized in the design and manufacture of sports and large area lighting. With innovations in light quality, glare reduction, and light control, our technology is responsible to the needs of facility owners, users, neighbors, and the night sky. Our team will partner with you to plan, complete, and maintain a cost-effective solution for your facility, backed by a parts and labor warranty that eliminates all maintenance costs for a decade or more.



Jim Freie, Regional Sales Manager

Jim Freie is a customer-focused leader who brings nearly 35 years of sales and management experience to his role as manager for Musco field sales representatives in the states of Colorado, Florida, Georgia, Iowa, Kansas, Minnesota, Nebraska, North Carolina, North Dakota, Oklahoma, South Carolina, South Dakota, and Wyoming. Musco's core principles of teamwork, value creation, and mutual trust and respect resonate deeply with Jim's approach to leadership and collaboration, and he appreciates the many lifelong friendships he's made through his career.

Contact Brian Hartman to take your facilities to the next level.









Project Installations: South Carolina - LED*

Baseball / Softball

Byrnes High School

Duncan, South Carolina

Charleston Southern University

Charleston, South Carolina

Duffy Baseball Complex

Mount Pleasant, South Carolina

Earlewood Park

Columbia, South Carolina

Georgetown High School

Georgetown, South Carolina

Green Sea Floyds Recreation Fields**

Green Sea, South Carolina

Hartsville High School**

Hartsville, South Carolina

Latta High School

Latta, South Carolina

Lucy Beckham High School

Mount Pleasant, South Carolina

North Greenville University

Tigerville, South Carolina

Oak Grove Park

Lexington, South Carolina

Orangeburg Recreation Complex

Orangeburg, South Carolina

Santee Recreation

Santee, South Carolina

Collegiate (Indoor)

Clemson University Littlejohn Coliseum

Basketball

Clemson, South Carolina

Wofford College

Richardson Indoor Stadium

Basketball

Clemson, South Carolina

Other

Carolina Motorsports Park Kart Track

Kershaw, South Carolina

Charleston Skateboard Park

Charleston, South Carolina

Miriam Brown Recreation Center

Basketball

Mount Pleasant, South Carolina

Multiple Field Facilities

Banks Athletic Park**

Baseball & Basketball Fort Mill, South Carolina

Boiling Springs High School

Baseball, Softball & Football Boiling Springs, South Carolina

Carolina Park Recreation Complex

Baseball, Softball & Multi-Purpose Fields and Courts

Mt. Pleasant, South Carolina

Coker College

Baseball, Soccer, Softball & Tennis

Hartsville, South Carolina

Dreher High School

Football & Tennis

Columbia, South Carolina

Fountain Inn High School**

Baseball, Football, Soccer, Softball & **Tennis**

Fountain Inn, South Carolina

Florence Athletic Complex

Baseball & Track Facility

Florence, South Carolina

Hanahan Recreation Complex**

Basketball & Tennis

Hanahan, South Carolina

Hilton Head Christian Academy**

Baseball & Football

Bluffton, South Carolina

Lucy Beckham High School

Softball

Mount Pleasant, South Carolina

Ridge Spring Monetta High School

Athletic Fields

Baseball, Softball & Football Monetta. South Carolina

Spartanburg High School

Baseball, Softball, Soccer, Tennis &

Football

Spartanburg, South Carolina

TL Hanna High School ⑬

Baseball, Softball & Football S

Anderson, South Carolina

Westside High School ®

Baseball, Softball & Football (S) Anderson, South Carolina

Woodside Park

Baseball, Softball & Soccer Fountain Inn, South Carolina

Tennis

Battery Creek High School

Beauford, South Carolina

Hampton Hall Tennis

Bluffton, South Carolina

Oakland Park Tennis

Newberry, South Carolina

St Joseph's Catholic School

Greenville, South Carolina

Waccamaw High School

Pawleys Island, South Carolina

West Florence High School

Florence, South Carolina

Football

Clinton High School

Clinton, South Carolina

Doug Shaw Stadium

Myrtle Beach, South Carolina

Hammond School ()

Columbia, South Carolina

Hilton Head High School

Hilton Head Island, South Carolina

Swansea High School Football

Swansea, South Carolina

Newberry College (S)

Setzler Field

Newberry, South Carolina

North Myrtle Beach High

Little River, South Carolina

Soccer

Barr Road Sports Complex

Lexington, South Carolina

Clemson LoConte Field

Clemson, South Carolina

Hilton Head Island Rec Center Hilton Head Island, South Carolina

Indian Land Soccer Complex

Indian Land, South Carolina

VaDuMar Park

Boiling Springs, South Carolina







Project Installations: South Carolina - LED* With Constant 10 Warranty

Collegiate (Indoor)

Clemson University Coliseum Littlejohn

Basketball

Clemson, South Carolina

Wofford College

Richardson Indoor Stadium

Basketball

Clemson, South Carolina

Soccer

Barr Road Sports Complex

Lexington, South Carolina Clemson

LoConte Field

Clemson, South Carolina

Indian Land Soccer Complex Indian

Land, South Carolina







I. PRODUCT INFORMATION

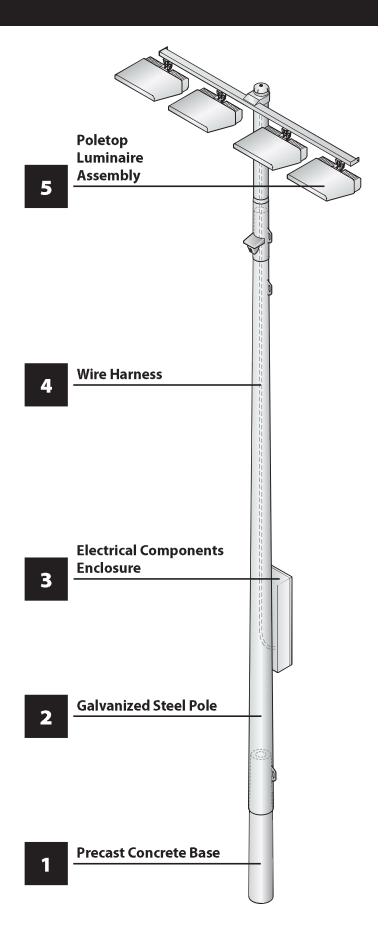


TLC for LED®

5 Easy Pieces™

Complete System from Foundation to Poletop

Factory wired, aimed, and tested
Fast, trouble-free installation
Comprehensive corrosion package
Integrated lightning ground

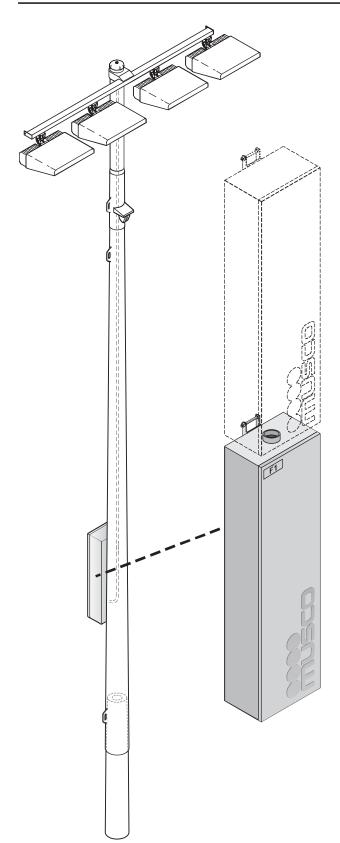






5 Easy Pieces"

TLC for LED® – Electrical Components Enclosure



Overview

The electrical components enclosure contains all necessary equipment to operate luminaires. Built-in mounting hardware allows for easy attachment to the galvanized steel pole. Quick connect plugs fasten to the wire harness.

Features

- Factory-built and tested as a unit
- · Quick connect plug for easy field wiring
- Mounted 10 ft (3 m) above grade for servicing with ladder
- Labeled with pole identification and electrical information
- Drivers individually fused and spare fuses supplied
- Wire access from inside the pole (no exposed wiring or conduit)
- Disconnect per circuit

Technical Specifications

For amperage draws and circuitry refer to project specific document.

Construction

- 0.08 inch (2 mm) thick, powder-coated aluminum
- Enclosure ratings: NEMA 3R, IP54
- Designed to operate in up to 50° C (122° F) ambient temperature
- Full length stainless steel hinge
- All stainless steel fasteners passivated and coated
- Meets touchsafe standards
- Up to four drivers per enclosure
- Approximate weight 65 lb (29 kg)
- Lower enclosure size 14 in (356 mm) wide x 9 in (229 mm) deep x 52.5 in (1334 mm) high
- Upper enclosure size 14 in (356 mm) wide x 9 in (229 mm) deep x 40.5 in (1029 mm) high

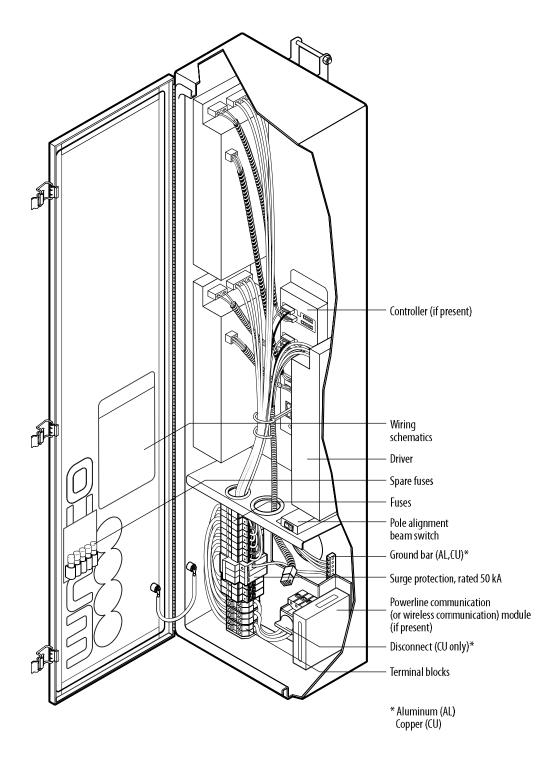
Quality Assurance Tests

- High potential dielectric withstand
- Full functionality test based on project's voltage and simulated load





TLC for LED® – Electrical Components Enclosure

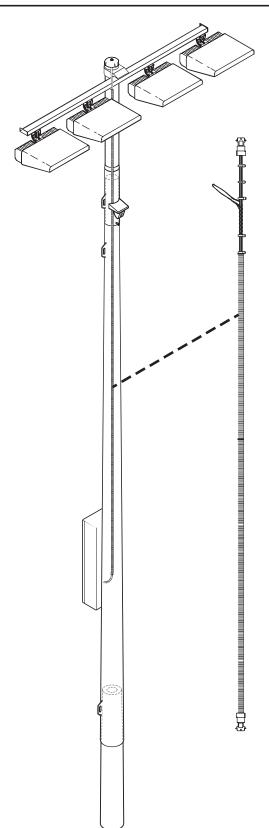






5 Easy Pieces[™]

TLC for LED® – Wire Harness



Overview

The factory-built wire harness connects the electrical components enclosure to the poletop luminaire assembly.

Features

- Quick connect plugs for easy field wiring
- Factory-assembled support grip alleviates strain on connections
- Spiral wound cable eliminates slippage
- Protective sleeve prevents wire damage
- All internal wiring, no exposed wires
- Labels identify pole and luminaires

Technical Specifications

Construction

- Spiral wound, wrapped cable, 14 AWG (cross-sectional area of 2.08 mm²) copper wire
- Integral cable support grip
- Each harness supports up to four drivers
- Multiple top connectors may be present if required for number of luminaires

Quality Assurance Tests

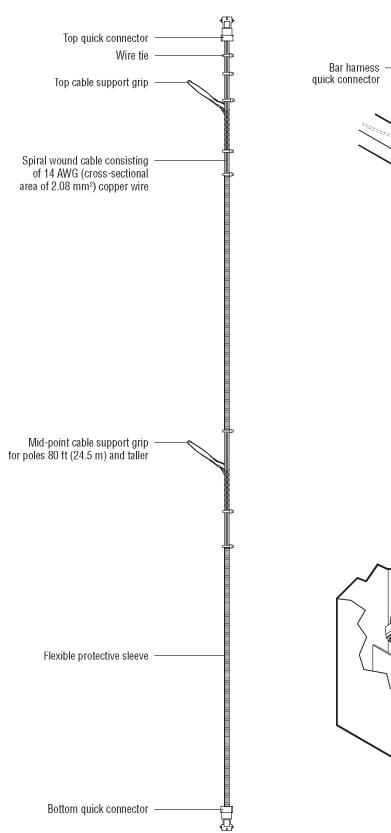
- Connector to connector continuity test
- High potential dielectric withstand
- Machine applied termination crimp

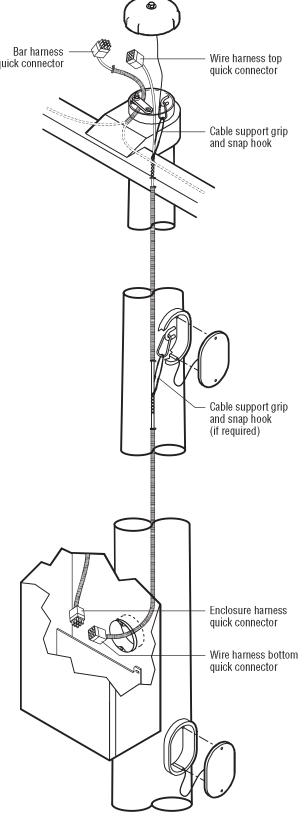




5 Easy Pieces™

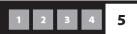
TLC for LED® – Wire Harness





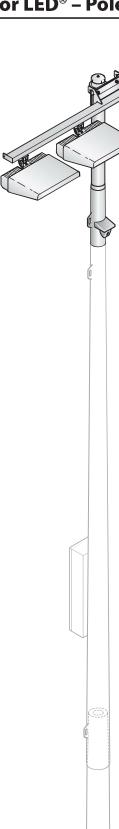


TLC for LED is a trademark of Musco Sports Lighting, LLC and is registered in the United States. ©2005, 2025 Musco Sports Lighting, LLC · M-2218-en04-4



TLC for LED® - Poletop Luminaire Assembly, Bolt On





Overview

The factory-aimed poletop luminaire assembly is the upper section of the pole and slip-fits together with the galvanized steel pole. Crossarms are removed for shipping and assembled in the field.

Features

- Each luminaire is factory-built, tested, and ships as a unit
- Luminaires are factory-aimed to 0.3 degree of accuracy
- Luminaire mounts and connects to wire harness in a single step
- Slip-fit connection allows assembly with come-alongs
- All luminaires are factory-wired to a quick connect harness for easy installation
- Labels identify pole and luminaire location
- No exposed wiring or conduit
- Factory-set pole alignment beam allows easy field alignment
- Retaining hook crossarm attachment design

Technical Specifications

Construction

- Crossarms and pole shaft hot-dip galvanizing inside and outside after fabrication meets ASTM-A123 standard
- All aluminum components are powder-coated or anodized to mil-A-8625F
- Luminaire and knuckle are powder-coated aluminum
- All stainless steel fasteners are passivated and coated
- Crossarms are constructed of rectangular steel tubing
- Polecap is attached with stainless steel lanyard and securing bolt
- Structural-grade fasteners with DTI (Direct Tension Indicating) washers attach crossarms to poletop

Quality Assurance Tests

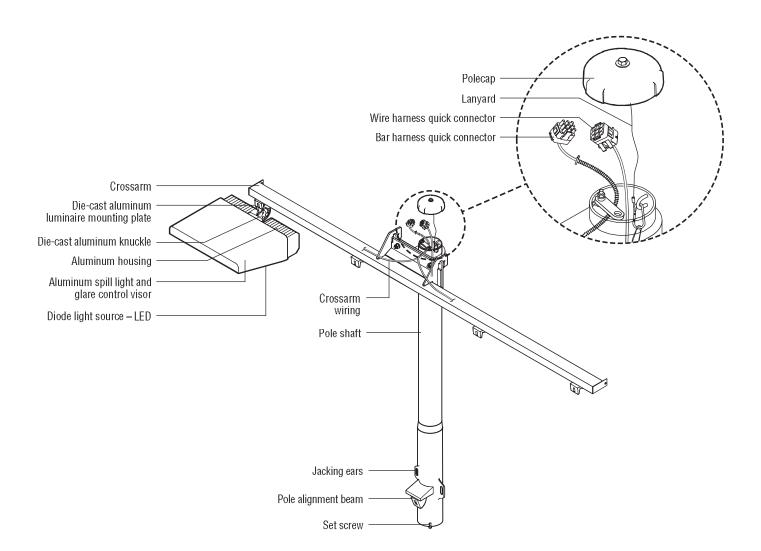
- Galvanizing thickness
- High potential dielectric withstand
- Connector to connector continuity test
- Grounding continuity
- Luminaire functionality test





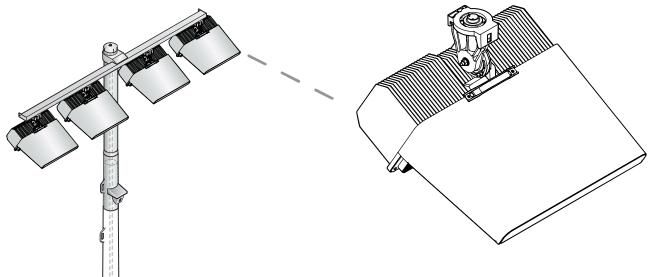
5 Easy Pieces™

TLC for LED® - Poletop Luminaire Assembly, Bolt On



Datasheet: Light-Structure System™

TLC-LED-1500 Luminaire and Driver



Luminaire Data

Weight (luminaire)	67 lb (30 kg)
UL listing number	E338094
UL listed for USA/Canada	UL1598 CSA-C22.2 No.250.0
CE Declaration	LVD, EMC, RoHS
Ingress protection (luminaire)	IP66
Impact rating	IK07
Material and finish	Aluminum, powder-coat painted
Wind speed rating (aiming only)	150 mi/h (67 m/s)
UL, IEC ambient temperature rating (luminaire)	50°C (122°F)

Photometric Characteristics

Projected lumen maintenance per IES TM-21-11

L90 (20k)	>120,000 h
L80 (20k)	>120,000 h
L70 (20k)	>120,000 h
Lumens ¹	181,000
CIE correlated color temperature	5700 K
Color rendering index (CRI)	75 typ, 70 min
LED binning tolerance	5-step MacAdam Ellipse

Footnotes:

1) Value represents most common optical variation. Incorporates appropriate dirt depreciation factor for life of luminaire.

All components from foundation to poletop are designed to work together in Light-Structure System™ to ensure reliable, trouble-free operation.

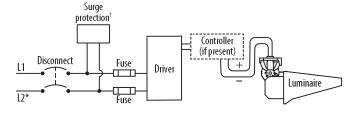


Datasheet: Light-Structure System™

TLC-LED-1500 Luminaire and Driver

Electrical Data Rated wattage¹ Per driver 1410 W Per luminaire 1410 W Number of luminaires per driver Starting (inrush) current <40 A, 256 μs **Fuse rating** 15 A UL, IEC ambient temperature rating 50°C (122°F) (electrical components enclosure) Ingress protection (electrical IP54 components enclosure) Efficiency 95% Dimming mode optional Range, energy consumption 10 - 100%Range, light output 15 - 100% Flicker <2%

Typical Wiring



- * If L2 is neutral then not switched or fused.
- † Not present if indoor installation.

	200 Vac 50/60 Hz										
Max operating current per luminaire ²	8.71 A	8.37 A	7.92 A	7.57 A	7.26 A	6.29 A	5.02 A	4.59 A	4.36 A	4.20 A	3.63 A

<20%

Footnotes:

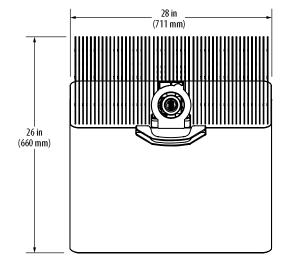
full output

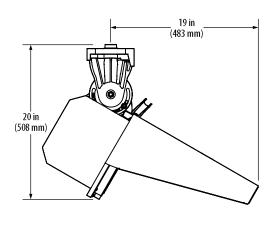
- 1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.
- 2) Operating current includes allowance for 0.90 minimum power factor, operating temperature, and LED light source manufacturing tolerances.

Notes

- 1. Use thermal magnetic HID-rated or D-curve circuit breakers.
- 2. See Musco Control System Summary for circuit information.

Total harmonic distortion (THD) at









Corrosion Protection

Manufacturer's Certification of Corrosion Protection for Light-Structure System[™] and SportsCluster[®] Lighting Systems

The following standard corrosion protection is provided on your equipment:

- All exposed components are constructed of corrosion-resistant material and/or coated to protect against corrosion.
- All exposed carbon steel is hot-dip galvanized, meeting ASTM A123 and ISO/EN 1461.
- All exposed aluminum is powder-coated with high-performance polyester or anodized. All exterior reflective inserts are anodized, coated with a clear, high-gloss, durable fluorocarbon, and protected from direct environmental exposure to prevent reflective degradation or corrosion.
- All exposed hardware and fasteners are stainless steel, passivated, and coated with an aluminum based thermosetting epoxy resin for protection against corrosion and stress corrosion cracking. Alternately, for hardware in non-stressed applications, an electroless nickel coating meeting ASTM B733 may be used. Pole strapping used to mount certain equipment to light poles is annealed grade 304 stainless steel and passivated.
- Certain structural fasteners are carbon steel, galvanized meeting ASTM A153 and ISO/EN 1461 (for hot-dip galvanizing), or ASTM B695 (for mechanical galvanizing).

This corrosion protection package only applies to equipment manufactured by Musco.

Musco Sports Lighting, LLC

Tony Benson

Executive Director of Engineering



J. NON-COMPLIANCE





October 16th, 2025

PRE-BID SUBMITTAL

Prosperity Park Improvements
Prosperity Park
Newberry County
Newberry, South Carolina
QL#23531



BY AMERICANS FOR AMERICANS



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October 16th, 2025
Prosperity Park Improvements
Prosperity Park
Newberry County
Newberry, South Carolina
QL#23531

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A Letter | Checklist

REQUIRED SUBMITTAL INFORMATION FOR ALL MANUFACTURERS (NOT PRE-APPROVED)

All items listed below are mandatory, shall comply with the specification and be submitted according to pre-bid submittal requirements. Complete the Yes/No column to indicate compliance (Y) or noncompliance (N) for each item. Submit checklist below with submittal.

		11011	compliance (N) for each item. Submit checklist below with submittal.
Yes/ No	Tab	Item	Description
Yes	Α	Letter/ Checklist	Listing of all information being submitted must be included on the table of contents. List the name of the manufacturer's local representative and his/her phone number. Signed submittal checklist to be included.
Yes	В	Equipment Layout	Drawing(s) showing field layouts with pole locations
Yes	С	On Field & Off Field Lighting Design	 Lighting design drawing(s) showing: a. Field Name, date, file number, prepared by b. Outline of field(s) being lighted, as well as pole locations referenced to the center of the field (x & y), Illuminance levels at grid spacing specified c. Pole height, number of fixtures per pole, horizontal and vertical aiming angles, as well as luminaire information including wattage, lumens and optics d. Height of light test meter above field surface. e. Summary table showing the number and spacing of grid points; average, minimum and maximum illuminance levels in foot candles (fc); uniformity including maximum to minimum ratio, coefficient of variance (CV), coefficient of utilization (CU) uniformity gradient; number of luminaries, total kilowatts, average tilt factor; light loss factor.
Yes	D	Performance Guarantee	Provide performance guarantee including a written commitment to undertake all corrections required to meet the performance requirements noted in these specifications at no expense to the owner. Light levels must be guaranteed to not fall below target levels for warranty period.
Yes	E	Structural Calculations	Pole structural calculations and foundation design showing foundation shape, depth backfill requirements, rebar and anchor bolts (if required). Pole base reaction forces shall be shown on the foundation drawing along with soil bearing pressures. Design must be sealed by a structural engineer licensed in the state of South Carolina. (May be supplied upon award).
Yes	F	Control System	N/A
Yes	G	Warranty	Provide written warranty information including all terms and conditions. Provide five (5) references of customers currently under specified warranty in the state of South Carolina.
Yes	Н	Project References	Manufacturer to provide a list of five (5) projects where the technology and specific fixture proposed for this project has been installed in the state of South Carolina. Reference list will include project name, project city, installation date, and if requested, contact name and contact phone number.
Yes	I	Product Information	Complete bill of material and current brochures/cut sheets for all product being provided.
No	J	Non- Compliance	Manufacturer shall list all items that do not comply with the specifications. If in full compliance, tab may be omitted.

The information supplied herein shall be used for the purpose of complying with the specifications for this Project. By signing below, I agree that all requirements of the specifications have been met and that the manufacturer will be responsible for any future costs incurred to bring their equipment into compliance for all items not meeting specifications and not listed in the Non-Compliance section.

Manufacturer:	Qualite Sports Lighting	Signature	<u>: </u>	33ie	No	bart	
Contact Name:		Date:		D _/	16	_/_2025	
Contractor:		Signature	¢				



October 16, 2025

To Whom It May Concern:

We are pleased to offer our information towards being approved as an equal manufacturer for the Prosperity Park Improvements. Qualite Sports Lighting will manufacture and produce the materials for this project per the specification.

- 1.) Our warranty is the best in the business. We are the only company which provides a standard, all-inclusive, 25-year warranty.
- 2.) Qualite is a 40-year-old Sports Lighting company.
- 3.) Your new Qualite GameChanger System will include remote mounted driver cabinet, which includes as standard:
 - a.) Slide in/out drivers
 - b.) Incoming power scrubber
 - c.) Surge protection
 - d.) Fusing
 - e.) Circuit breakers
 - f.) Pole Disconnect
- 4.) Your new control system will be wireless remote. Once the project is installed, we will get your people access to the app which we will provide. We will then set up a training session for its use. It is very easy to work with. You will have the ability to add or subtract users whenever you would like.
- 5.) Your wireless controls will allow you to:
 - a.) Instant on/off
 - b.) Scheduling lights on/off
 - c.) If wanted, control each pole individually
 - d.) Dim lights from 10% to 100%
- 6.) Once a commitment is made with Qualite, we will prepare submittal package and make sure all questions are answered. Once you sign off on the package, we will schedule the install.

Thank you and please do not hesitate to contact us with any questions or comments. We look forward to being approved as an equal lighting supplier for the Prosperity Park Improvements.

Lizzie Hobart

Lizzie Hobart

Qualite Sales Manager | Qualite Sports Lighting, LLC

T: 854.895.2928 | C: 716.913.6595 | E: lhobart@qualite.com

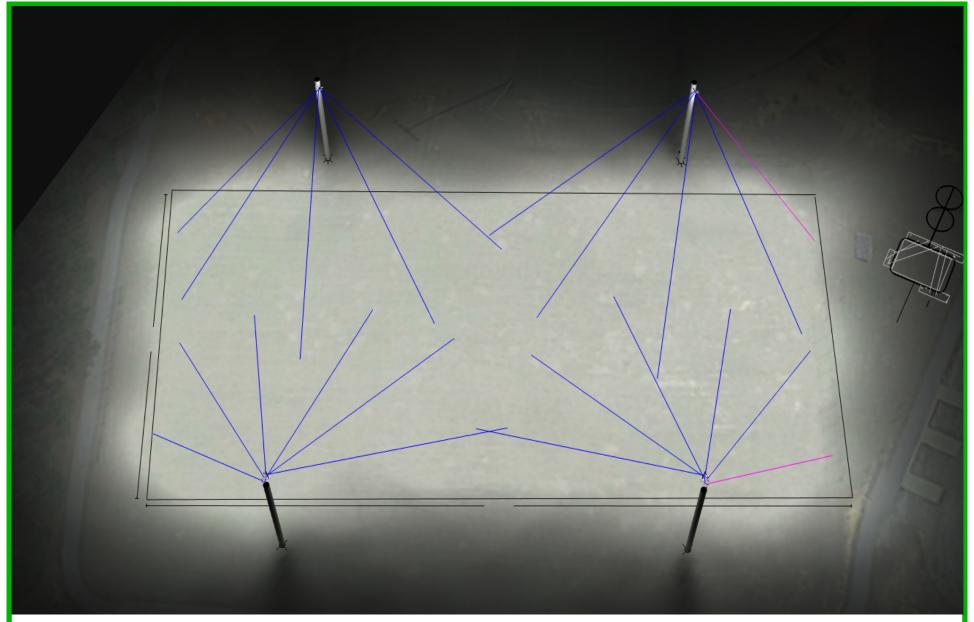
Regional Sales Office – 1000 William Hilton Parkway, Suite 104 Hilton Head, SC 29928

Headquarters - 215 W. Mechanic, Hillsdale, MI 49242



B

Equipment Layout | On and Off Field and Environmental Lighting Designs



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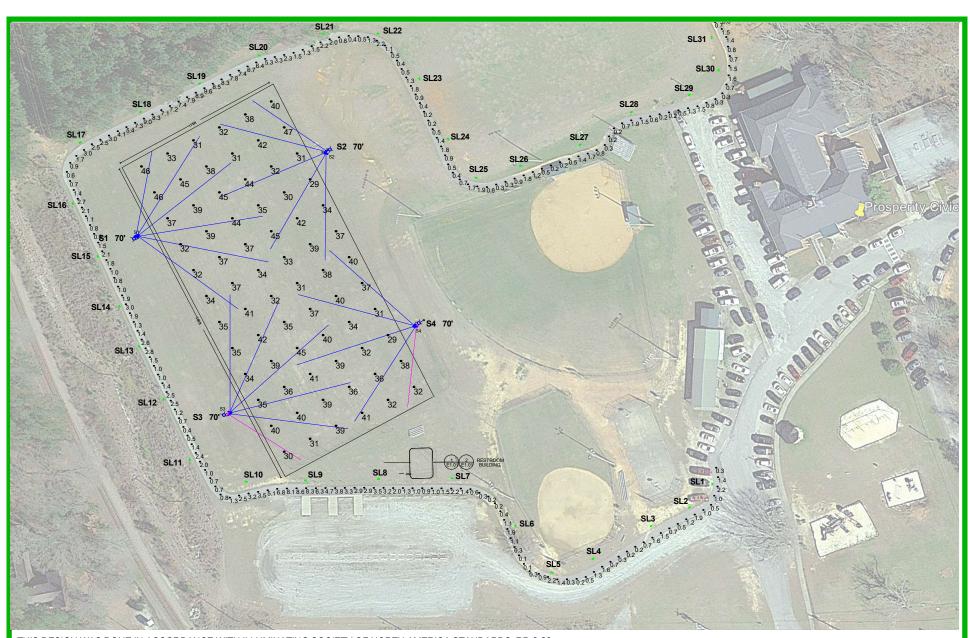
GUARANTEE IS BASED ON PROPER INSTALLATION, MINIMUM INPUT VOLTAGES, MOUNTING HEIGHT +/- 3 FEET, AND POLES PLACED WITHIN 4 FEET OF SPECIFIED LOCATIONS. POLES TO COMPLY WITH CURRENT AASHTO STANDARDS.



JOB NAME: Prosperity Park Improvements - Soccer

LOCATION: Newberry, SC

REF# QL-23531 REV: D1-A



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JOB NAME: Prosperity Park Improvements - Walkways

LOCATION: Newberry, SC

REF# QL-23531 REV: D1-A1



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JOB NAME: Prosperity Park Improvements - Walkways

LOCATION: Newberry, SC

REF# QL-23531 REV: D1-A1

FIELD SIZE 360 X 175

	Calculation Summary										
	Label	Units	Avg	Max	Min	Max/Min	cv	UG	# Pts	Height	Pt Spacing
	SOCCER	Fc	36.9	47	29	1.62	0.13	1.52	72	3	30 X 30
Ī	WALKWAY (sports lights off)	Fc	0.81	2.2	0.1	22.0	N.A.	N.A.	195	N.A.	10 X 10

NEW POLES - SPORTS LIGHT POLE LOCATIONS BASED ON BID DOCUMENT.

TOTAL PROJ	TOTAL PROJECT: Luminaire Schedule								
Symbol	Qty	Description	Tag	Luminaire Watts	Total Watts				
-	31	SL 1 - 31 @ 15'	RAB FFLED18	22.5	697.5				
-	20	GC 1300 N4WV-33	GEN 4 LARGE VISORED	1,325	26,500				
	2	GC 1300 N6V-33	GEN 4 LARGE VISORED	1,323	2,646				

KW PER POLE	
Label	KW
PED LIGHTS	.698
S1	7.95
S2	6.625
S3	7.948
S4	6.623
TOTAL	29.844

TOTAL 53

THIS DESIGN WAS DONE IN ACCORDANCE WITH ILLUMINATING SOCIETY OF NORTH AMERICA STANDARDS RP-6-22

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JOB NAME: Prosperity Park Improvements - Soccer

LOCATION: Newberry, SC

REF# QL-23531 REV: D1-A

Luminaire Schedule									
Project: WALKWAY LIGHTING ALL LIGHTS MOUNTED ON 15' POLE									
Symbol	Qty	Description	Tag	Luminaire Watts	Total Watts				
Ð	31	SL 1 THRU SL 31 @ 15'	RAB FFLED18	22.5	697.5				

Luminaire Schedule									
Project: S1 70'		6 LIGHTS ON 7F STANCHION							
Symbol	Qty	Description	Tag	Luminaire Watts	Total Watts				
- I	6	GC 1300 N4WV-33	GEN 4 LARGE VISORED	1325	7950				

Luminaire So	Luminaire Schedule								
Project: S1 70'		5 LIGHTS ON 7F STANCHION							
Symbol	Qty	Description	Tag	Luminaire Watts	Total Watts				
- I	6	GC 1300 N4WV-33	GEN 4 LARGE VISORED	1325	7950				

	Luminaire Sc					
Project: S3 70' 6 LIGHTS ON 7F STANCHION						
	Symbol	Qty	Description	Tag	Luminaire Watts	Total Watts
		5	GC 1300 N4WV-33	GEN 4 LARGE VISORED	1325	6625
	-	1	GC 1300 N6V-33	GEN 4 LARGE VISORED	1323	1323

Luminaire So	Luminaire Schedule						
Project: S4 70'		5 LIGHTS ON 7F STANCHION					
Symbol	Qty	Description	Tag	Luminaire Watts	Total Watts		
I	4	GC 1300 N4WV-33	GEN 4 LARGE VISORED	1325	5300		
- I	1	GC 1300 N6V-33	GEN 4 LARGE VISORED	1323	1323		

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JOB NAME: Prosperity Park Improvements - Soccer

LOCATION: Newberry, SC

REF# QL-23531 REV: D1-A

DATE: 10/15/25

DESIGNER: P. DEL RIO



CPhotometric Reports





Report of Test LLIA002129-005

Catalog Number: N4W-3.3-V

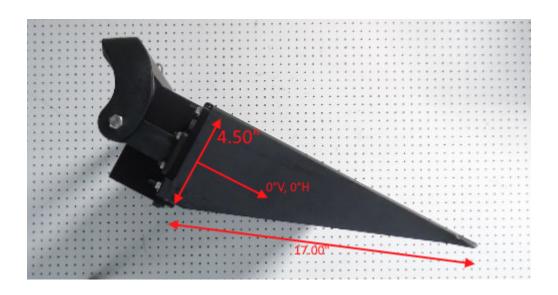
Aluminum housing and heatsink fins, two molded plastic lens frames.

Formed matte black steel visor with specular hammertone aluminum visor.

198 white LEDs with silicone optics in front of each. Aimed approximately 30 degrees below horizon.

Two Inventronics ESM-680S350MT LED drivers labeled as 3290mA each

480.1Vac, 60.00Hz, 2.840A, 1324.4W, 0.971PF, 6.5%THD(i)



Performance Summary						
Total Light Output	130533	lm	Illuminance at 10m	7764.0 lux		
Luminaire Power	1324.4	W	Beam Distance	1762.3 Meters (to 0.25 lux)		
Luminous Efficacy	98.6	lm/W		,		
Beam Spread (50%)	16.5° \	′ x 17.1° H	Maximum Intensity	776400.0 cd		
Field Spread (10%)	46.4° V	′ x 41.3° H				
NEMA Type	3H x 4V					

PREPARED FOR: Qualite Sports Lighting, 215 West Mechanic St, Hillsdale, MI 49242, USA





Report of Test LLIA002129-001

Catalog Number: N2-3.3-V

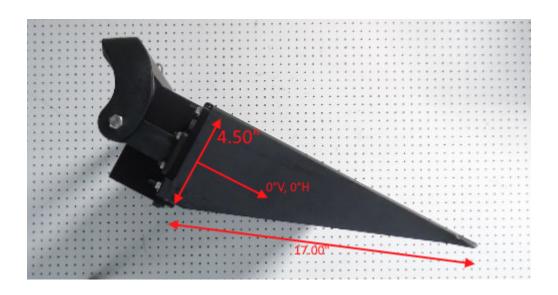
Aluminum housing and heatsink fins, two molded plastic lens frames.

Formed matte black steel visor with specular hammertone aluminum visor.

198 white LEDs with silicone optics in front of each. Aimed approximately 30 degrees below horizon.

Two Inventronics ESM-680S350MT LED drivers labeled as 3290mA each

479.9Vac, 60.00Hz, 2.843A, 1325.7W, 0.972PF, 6.4%THD(i)



Performance Summary							
Total Light Output	139389	lm	Illuminance at 10m	11120.0 lux			
Luminaire Power	1325.7	W	Beam Distance	2109.0 Meters (to 0.25 lux)			
Luminous Efficacy	105.1	lm/W		,			
Beam Spread (50%)	15.6° V x	17.2° H	Maximum Intensity	1112000 cd			
Field Spread (10%)	34.2° V x	37.0° H					
NEMA Type	3	H x 3V					

PREPARED FOR: Qualite Sports Lighting, 215 West Mechanic St, Hillsdale, MI 49242, USA





Report of Test LLIA002129-004

Catalog Number: N6-3.3-V

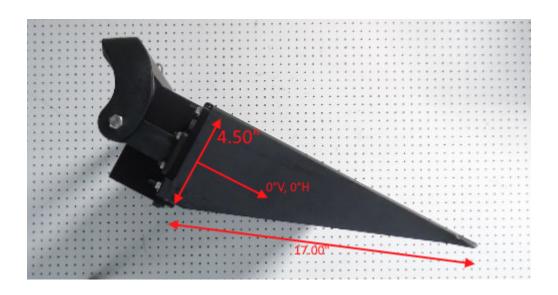
Aluminum housing and heatsink fins, two molded plastic lens frames.

Formed matte black steel visor with specular hammertone aluminum visor.

198 white LEDs with silicone optics in front of each. Aimed approximately 30 degrees below horizon.

Two Inventronics ESM-680S350MT LED drivers labeled as 3290mA each

480.0Vac, 60.00Hz, 2.837A, 1322.4W, 0.971PF, 6.6%THD(i)



Performance Summary					
Total Light Output	108608	lm	Illuminance at 10m	3229.0 lux	
Luminaire Power	1322.4	W	Beam Distance	1136.5 Meters (to 0.25 lux)	
Luminous Efficacy	82.1	lm/W		,	
Beam Spread (50%)	28.9° V :	x 32.2° H	Maximum Intensity	322900.0 cd	
Field Spread (10%)	60.6° V	x 65.5° H			
NEMA Type 4H x 4		H x 4V			

PREPARED FOR: Qualite Sports Lighting, 215 West Mechanic St, Hillsdale, MI 49242, USA



DPerformance Guarantee



QUALITE PERFORMANCE GUARANTEE

First of all, we would like to thank you for choosing Qualite Sports Lighting for your lighting project.

We are pleased to offer our Edison Award-winning QLED GameChanger™ Sports Lighting System to light your project. Our new LED system uses state-of-the-art technology, is completely manufactured in the United States, and adheres to the high quality standard that Qualite has built its reputation on.

The enclosed layout(s) indicate the <u>guaranteed</u> maximum Kilowatt consumption.

Qualite also <u>guarantees</u> the light levels and uniformities as specified; or per IESNA recommendations, if a performance specification was not provided.

As a pre-aimed, pre-wired system, our guarantee requires proper input voltage and installation. We understand that sometimes unforeseen conditions can dictate layout changes, during installation and we guarantee to react and assist as quickly as possible to help ensure great results for the end user.

This guarantee must exclude mounting to wooden poles; due to their tendency to twist and change the aiming.

Sincerely,

The Qualite Sports Lighting Team



E

Control & Monitoring System





The Controller is the basic building block of the Lightcloud system. Use it for switching and 0-10V dimming. Deploy it for power management. Or simply use it to extend the range of your Lightcloud mesh network

> Color: Black Weight: 0.4 lbs



Technical Specifications

Listings

Compliance

UL Listing:Suitable for indoor and outdoor use. Suitable for wet and damp locations

Plenum Rated

IP Rating:

Ingress protection rating of IP66 for dust and water

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities

Electrical

Installation:

All Light could components should be installed by a licensed electrician in accordance with local codes.

Input Voltage:

120-277 VAC, 50/60 HZ <2W (standby- 4W Active

Frequencies:

50/60 Hz

Current Draw:

30 mA @ 120VAC 20 mA @ 277VAC

Load Switching Capacity:

For Control of Magnetic, Electronic Ballast or LED

277VAC: 20A Magnetic/Resistive

240VAC: 5A Tungsten/Electronic, 20A FLA/60

LRA, 2HP

120VAC: 15A Tungsten/Electronic, 1HP

Operating Temperature Range:

-40°C to 40°C

Storage Temperature Range:

-40°C to 80°C

Construction

Overall Dimensions: 1.55" diameter, 5.75" length 1/2" NPT Mount, Male 16AWG pigtails

Wireless Range

Obstructions:

100 feet

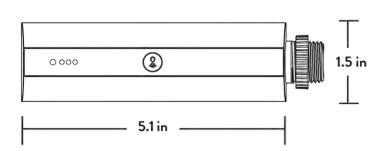
Line of Sight:

1,000 ft

Warranty:

10-year full hardware warranty with 100% repair/replacement coverage for all properly installed devices. See Lightcloud Warranty Terms.

Dimensions



Features

Easy setup - simply power on, confirm device connectivity and call 844-

Cylindrical design for easy installation at threaded junction boxes

Cloud-based management - no software to install or maintain

Connects to Lightcloud Gateway and other Lightcloud devices

Connects via a secure, encrypted, and self-healing 2.4 GHz wireless mesh network

Repeater Mode to extend range of wireless mesh network

If power to Controller is lost, notification is shown in the Lightcloud application

If communication is lost, Controller can fall back to a customizable emergency state





The Gateway stores all local site information (energy monitoring, schedules, scenes, and more) and communicates with RAB's servers via private 4G cellular connection, so no internet access is required. This Gateway operates on the Verizon cellular network.

Color: Black Weight: 1.3 lbs



Technical Specifications

Listings

Compliance

UL Listing:

Indoor use only

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities

Electrical

Input Voltage:

Only use with provided power supply. 5VDC +/- 5% 100-240VAC

Frequencies:

50/60 Hz

Electrical Ratings:

0.5A

Operating Temperature Range:

-30°C to 70°C

Storage Temperature Range:

-40°C to 85°C (-40°F to 185°F)

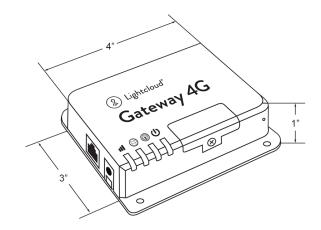
Other

Maximum Relative Humidity: 95%

Warranty:

10-year full hardware warranty with 100% repair/replacement coverage for all properly installed devices. <u>See Lightcloud Warranty</u> Terms.

Dimensions



Features

Connects with up to 200 Lightcloud devices

Communicates with Lightcloud devices via 2.4 GHz wireless mesh network

User-serviceable, built-in UPS battery backup (lasts approximately 2 hours)

Cloud-based management - no software to install or maintain

Connects to Lightcloud service using secure cellular 4G connection and no internet access is required

Easy setup - simply power on, confirm a cellular signal and call 844-LIGHTCLOUD

Before final placement of Gateway, call Qualite Sports Lighting at 800.933.9741 to confirm signal strength and placement of Gateway.



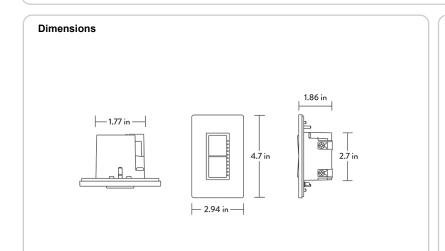


The Lightcloud Dimmer is an in-wall device that delivers remote switching, dimming and scene control. Easily trigger one of your scenes, or toggle between multiple scenes.

Color: White Weight: 0.4 lbs



Technical Specifications Listings Construction Compliance Other Warranty: **UL Listing: Operating Temperature Range:** 0°C to 40°C 10-year full hardware warranty with 100% repair/replacement coverage for all properly installed devices. See Lightcloud Warranty Terms. Indoor use only **Maximum Relative Humidity: Electrical** Wire Gauge: Installation: All Lightcloud components should be installed by a 18AWG grounding; terminals supporting up to 12AWG wire licensed electrician in accordance with local codes. Input Voltage: 120V through 277V Wireless Range Frequencies: 50/60 Hz Line of Sight: 1000 ft **Electrical Ratings:** 14mA@120VAC 10 mA @ 277VAC Obstructions: Storage Temperature Range: -40°C to 85°C (-40°F to 185°F) 100 ft



Features

In-wall device for switching, dimming and scene control

Switch and dim individual fixtures or entire zones

Dimming features both fade on/off and rapid full-on

Assign scenes to top and/or bottom buttons

Set the max trim level for a zone or fixture to save energy

Use together with Lightcloud Controller or Sensor devices





Lightcloud Takes Security Seriously

We take our users' security and privacy concerns seriously and strive to be transparent about our security infrastructure and practices. We secure our devices and data at every level of communication, from the site to the cloud, with 5 layers of security.



THE FIRST NETWORKED
LIGHTING CONTROL SYSTEM
LISTED FOR CYBER SECURITY!

5 Layers of Security

Isolation

All Lightcloud data communication is isolated from other networks. Lightcloud isn't affected by compromises to computer networks or dependent on utilizing existing IT infrastructure. Only Lightcloud devices are supported by the Lightcloud network — isolating it from interference and manipulation.

Encryption

Lightcloud uses end-to-end encryption (E2EE) — data transmission is always encrypted. If data were to be accessed, it wouldn't be readable. That encryption remains whether it's between devices, cellular, or accessed via the web. Your data is always secure.

Restriction

Access is restricted by site, passwords, two-factor authentication, and user-level permissions. Every network uses its own keys, so a compromise would be isolated to a single location. Password best practices and two-factor authentication ensure individual users' passwords are secure and used only by the intended user. User-level permissions ensure users only have access to the controls they need.

Prevention

Lightcloud updates go through a rigorous evaluation period in an isolated environment before being released to devices. Evaluations include internal and external audits and penetration tests. This keeps Lightcloud security constantly ahead of any would-be intruders.

Verification

Working with external agencies to evaluate our security validates our efforts to be the most secure lighting controls system available. Our internal security team is constantly improving our system to exceed security guidelines, keeping us several steps ahead.

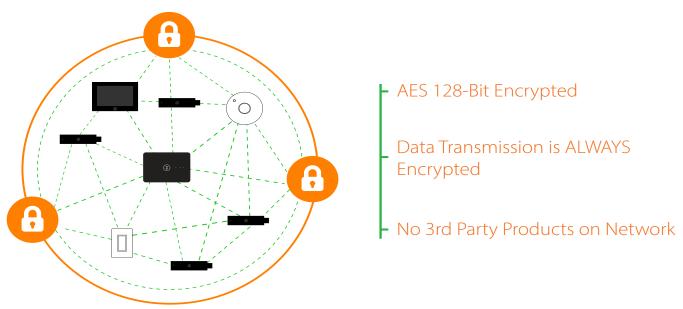
Call Us Anytime: 1 (844) - LIGHTCLOUD







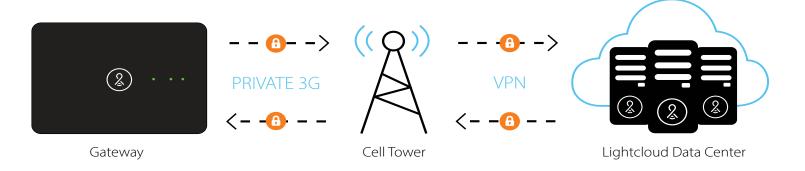
On-Site Security: Device Communication



Lightcloud is a networked lighting control system with Devices communicating over a secure wireless mesh network. At the 802.15.4 wireless level, we provide an encrypted and secure joining process that includes unique network keys for every installation and AES 128-bit encrypted network communications. At no time does any data travel unencrypted. Additionally, only products manufactured by RAB can communicate over the Lightcloud network.



Uplink: Private Cellular to Cloud



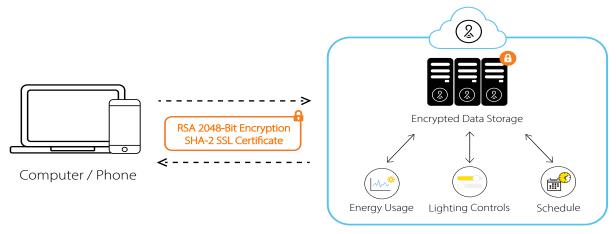
The Gateway communicates to the cloud-based services via dedicated, private 128-bit and 256-bit encrypted 3G cellular connections. Our secure connection operates completely independently from your IT infrastructure. The Gateway provides the communications between the 802.15.4 network and the 3G wireless network. In addition to standard 3G encryption, all data over the cell network travels on a private allocation of cellular addressing over an encrypted VPN (virtual private network) between the Gateways and our private data center.







Cloud Infrastructure: Communication and Storage



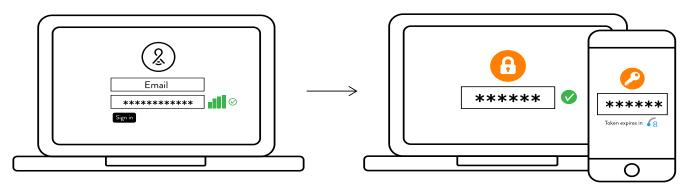
Lightcloud Servers

We communicate entirely via SSL TLS — including client communications with servers that interface with our backend servers, which protects communications by using both server authentication and data encryption. Our application endpoints use industry-leading RSA 2048-bit encryption and have DigiCert SHA-2 SSL Certificates. Our servers employ a robust physical security program with multiple certifications. The cloud storage method also guarantees information won't be lost, by creating redundancies on servers around the world.

If a Lightcloud Network were compromised, no sensitive user data would be accessible. User data on Lightcloud is limited to email addresses and lighting controls, so sensitive information is safe.



Access & Control: User-Level Security



Strong Passwords

Two-Factor Authentication

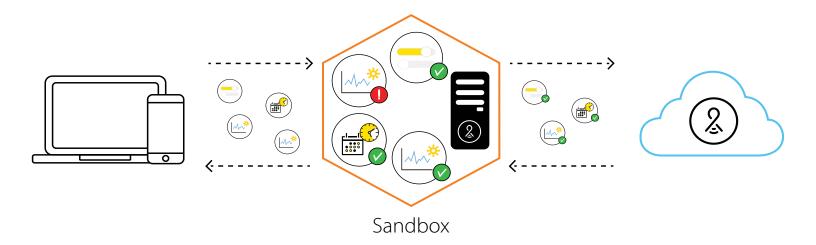
Industry-standard password management protocols are employed, including requirements for length and strength. Strong passwords are important and can be layered with two-factor authentication (2FA) for extra protection. This extra layer of protection can be especially important for administrative users such as systems management and support. Finally, user restrictions ensure access is granted for specific controls for each user. Whenever phones and computers are used to control Lightcloud, each adjustment is logged by user, so if a user's account is ever compromised, that user can immediately be removed or their password changed.







Testing & Vulnerability Management: Monitoring & Development



System functionality and design changes are verified in an isolated test "sandbox" environment and subjected to functional and security testing prior to deployment to active production systems. By testing in an isolated environment without live site data, we ensure no data can be compromised while testing. Once security and functionality is verified, changes are rolled out in stages.

Security Audits

Security is an ever-moving target, so we use both internal and 3rd parties to perform quarterly penetration tests and security audits to verify that we are meeting the strict guidelines we have established. Security audits look at the system's hardware/devices, network/server, and the user interfaces/software. Even with physical access to our hardware, none of our security partners have been able to compromise our system at any level. Our security partners are security experts trusted by Fortune 500 Global Companies including GE, Intel, Microsoft, and Samsung.









Verification: 3rd-Party Certification

We've designed a very secure ecosystem with layered protection, and two independent agencies — SSL Labs and UL — recognize our security superiority.

THE FIRST



UL created the 2900-01 standard of software cybersecurity for network-connectible products and was published as an ANSI (American National Standards Institute) standard. UL evaluated and tested our devices for vulnerabilities, software weaknesses and malware, including risk management and controls in the architecture and design of the product.

UL tests performed:

- Scanned for malware on the binaries
- Scanned for vulnerabilities from the NIST National Vulnerability Database (NVD)
- Scanned for weaknesses in the source code and binaries
- Subjected to malformed traffic data
- Evaluated security protocols for access control and authentication, remote connections, software integrity, cryptography, security logs, and decommissioning
- Ran penetration tests to circumvent controls and security, engage the product in denial of service, access and authentic on the product via unauthorized means, attempt to exploit vulnerabilities acceptable in the risk analysis, elevated privilege on the product, man in the middle attacks

After careful evaluation, UL found our Devices and software exceeded or met all of their requirements, and listed our system as the first UL 2900-01 listed networked lighting control system.

SSL Labs verified and approved our SHA-2 SSL Certificate, inspected our encrypted network communication protocol based on protocol, key exchange, and cipher strength, and determined our security to be of the highest rating. We strive to adopt the latest most secure security protocols and procedures to keep customer data and sites safe.





Applications: Trusted Everywhere

Lightcloud is trusted by airports, civic centers, hospitals, hotels, manufacturers, municipal buildings, retailers, sheriff's offices, stadiums, and many other security-sensitive applications. Lightcloud is securely controlling lights all over the country and is ready for your application.

For more information on current Lightcloud customers, see our Select Sites document. For more information on how Lightcloud can fit into your specific application, give us a call at 1 (844) - LIGHTCLOUD







AES 128-Bit Encryption

AES is a security standard adopted worldwide and by the US Government. AES is also approved as a cipher for top-secret information at the NSA (National Security Agency). For 128-bit encryption, data is placed in an array, then there are 10 rounds of processing information (substitute, transpose, and mixing of text). 128-Bit encryption has a block and key length of 128 bits.

Virtual Private Network (VPN)

A VPN is a secure, encrypted tunnel that is only accessible by authorized users. VPNs allow information to be safely transmitted over otherwise insecure networks by encrypting the data. If a network is penetrated, the data can't be read and is displayed as meaningless text.

SSL TLS

Secure Sockets Layer and Transport Layer Security are cryptographic protocols for secure, private communication over a network from the server to the browser. The symmetric encryption keys are created for each communication and are unique to each connection. The connection can't be interrupted by an attacker in the middle of the connection or viewed by eavesdroppers. The identities of both the server and the user via the access point is known to the connection. Each message sent has an integrity check to ensure data is transmitted securely and properly.

2-Factor Authentication (2FA)

2FA is an extra layer of security for your Lightcloud login that ensures that you're the only person who can access your account, even if someone knows your password. Each time you log in on a new device, a unique code will be texted to you. This unique code is required along with your password to log in to your user account. 2FA is generally reserved for account administrators or highly security-sensitive locations.

User Restrictions

User restrictions limit access to specific lighting controls and management. System administrators can be given complete control over the system. Other users can be given access to all of the scenes and zones or user-specific controls. By restricting access to only the lights users need to access, it's simpler for the users and more secure.

Sandbox

An isolated testing environment that has no connection to a "live" system is a sandbox. If a sandboxed environment is compromised, it has no effect on the system and no user data can be compromised. By testing in a sandbox, vulnerability and stability can be verified before releasing to customers.

Penetration Audits

Lightcloud Devices, networks, and user interfaces are tested internally and by 3rd-party security experts to look for potential security oversights.

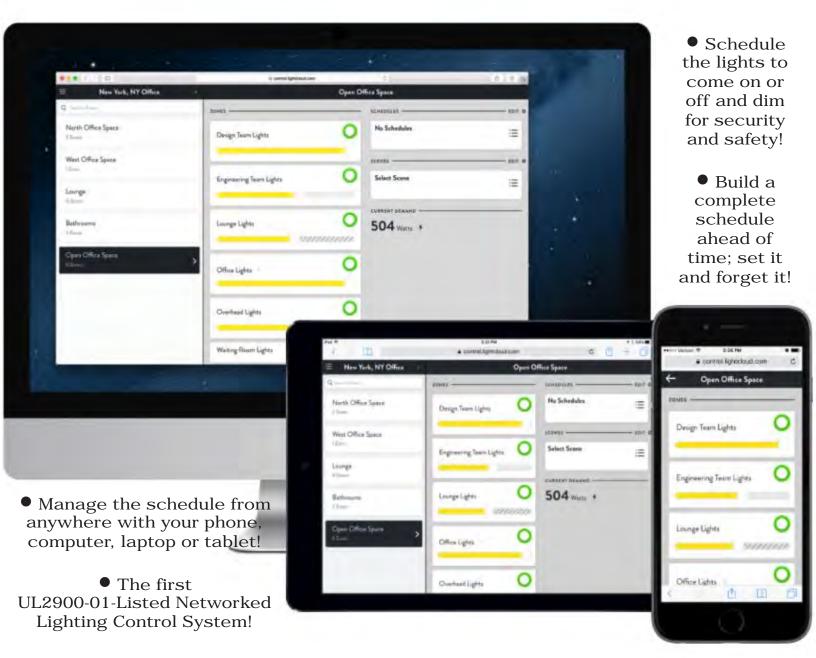
Private 3G

A private allocation of AT&T and Verizon thirdgeneration networks dedicated to Lightcloud. Data is encrypted and transmitted via a VPN to the highly secure Lightcloud Cloud.





COMPLETE control at any time!

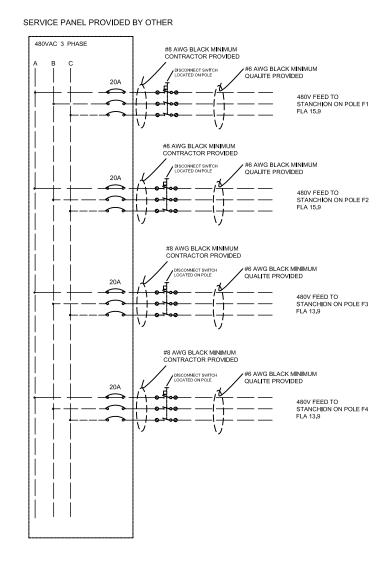




F

Electrical Distribution Plans

This is a sample. Upon PO or LOI, Qualite will provide a project-specific electrical distribution plan.



QUALITE SPORTS LIGHTING, INC.

HILLSDALE, MICHIGAN

PRIMARY MEANS OF DISCONNECT PROVIDED BY INSTALLER

VOLTAGE: 480V 3Ø FLA 59.9 KW 39.9 CONTROL VOLTAGE 120V 1A

R SHEET ENCLOSURE DATE OL NO SD 1 OF 1 NA 12/27/2024

NAME



G Warranty



25-YEAR TOTAL COVERAGE WARRANTY

LED GameChanger™ Lighting System Sports Lighting Application

Qualite Sports Lighting provides a 25-year "total coverage warranty" to the owner for complete peace of mind at no out-of-pocket cost.

What this warranty covers:

Qualite warrants the GameChanger™ LED Lighting System for 25 years from failure.

All fixtures and or components are covered under this warranty for the full 25 years. All necessary labor, parts, wiring, etc. will be replaced or corrected at Qualite's expense. The use and cost of equipment (cranes, lifts or other heavy construction equipment) is included in this warranty at Qualite's expense.

What is covered and included:

- Total system coverage, lights, poles, drivers, etc.
- All labor
- Lifts, crane or other equipment required for repair
- All parts will be supplied by Qualite at no cost to owner
- Light levels are guaranteed for full 25-year period
- Fixture aiming and mounting is guaranteed.

What is not covered:

- Acts of God. (flood, lightning, tornado, etc.)
- Vandalism
- Damage from improper installation
- Non-compliant power conditions

Conditions of Service:

- Adequate, pre-determined egress/ingress is required for heavy service equipment
- Safe working environment for crews

Response Time:

- Normal non-emergency service work will be scheduled under Qualite's normal service schedule.
- Emergency service response will occur within a 24-hour period

Notes: This warranty is intended for normal usage for the GameChanger™ Lighting System that would be installed on a grade school, high school sports venue, charter schools, park and recreation, college level or other venue with normal use considerations. Please contact Qualite Sports Lighting for high or extreme use facilities.



H

Project References



GameChanger References

Savannah County Day High School – Football and Track

Rich LaRossa
Director of Operations
E: rlarossa@savcds.org
P: (912) 657-5692
Savannah, Georgia

Sonoraville Softball

Ron Norrell E: rnorrell@gcbe.org P: (770) 548-1771 Calhoun, Georgia

Turner Lake and City Pond Park – Baseball retrofit Kale

Curtis
Deputy Director
E: kcurtis@co.newton.ga.us
P: (678) 794-1772
Covington, Georgia

Kings Ridge - Baseball and Soccer

Troy Schultz
Director of Facilities
E: troy.schultz@kingsridgecs.org
P: (770) 754-5738 x333
Alpharetta, Georgia

Baldwin County – Multi-Field Complex

Carlos Francisco Tobar County Manager (478) 445-4791 ctobar@baldwincountyga.com Publix Sports Park – Multi use fields Rick Whorton Facilities Manager P: (850) 588-4905 Panama City Beach, Florida

Louisville Parks and Recreation – Tennis, Football, Soccer, Pickleball

Jason T. Canuel Director E: jason.canuel@louisvilleky.gov P: (502) 439-7694 Louisville, Kentucky

Cheatham County Schools – Football Stadium

Jeff Hobbs District Athletic Director E: jeff.hobbs@ccstn.org P: (615) 545-8566 Ashland City, Tennessee

Bay District Schools - High School Fields

John Rigdon Project Manager E: rigdonjn@bay.k12.fl.us P: (850) 814-6230 Panama City, Florida

Thompson Turner Construction – Football Stadium, Band practice

Ryan Davis
Project Manager
E: rdavis@thompsonturner.com
P: (864) 978-8877
Greenville, South Carolina









- Winchester Gun Club Trap & Skeet Range, North Shore Trap & Skeet, Franksville, WI
- St. Mary's Memorial High School Football Stadium, St. Mary's OH
- Hart High School Football Stadium & Track, Hart Public Schools, Hart, MI
- Harrison High School Tennis Courts, Tippecanoe School Corporation, West Lafayette, IN
- Seeger High School Football Stadium & Track, MSD of Warren County, West Lebanon, IN
- Guerin Catholic High School Soccer Field, Noblesville, IN
- Spalding Park Baseball, Champaign Park District, Champaign, IL
- Rec Fields Football & Softball, University of Illinois-Springfield, Springfield, IL
- Sibley-Ocheyedan Community School District Football Stadium & Track, Sibley, IA
- McInnis Park Golf Center Driving Range, Tayman Park Golf Group, Inc, San Rafael, CA
- Augusta National Golf Club, Augusta, GA
- McDonald High School Football & Track, McDonald, OH
- Rocori High School Football & Soccer, Cold Spring, MN
- Miller Park Soccer, Eden Prairie, MN



- Rogers Stadium Football, Tulsa Public Schools, Tulsa, OK
- Robert's Field at the Roy Anderson Sports Complex, Big Spring, TX
- Itasca Intermediate School District Baseball & Softball, Itasca, TX
- Edmond Tennis Center, Intermediate School District #12, Edmond, OK
- Hughes Springs High School Football, Hughes Springs Intermediate School District, Hughes Springs, TX
- Rice Consolidated Intermediate School District Softball & Baseball, Altair, TX
- Panama City Beach Sports Complex, Panama City Beach, FL

- Itasca Independent School District Baseball & Parking Lot, Itasca, TX
- Wink High School Football Stadium & Track, Wink-Loving Intermediate School District, Wink, TX
- Van Vleck Intermediate School District Football Stadium, Van Vleck, TX
- Ingleside Intermediate School District Football Stadium, Ingleside, TX
- Drive Time Parking Area, Lot & Building, Fort Worth, TX
- Crowell Intermediate School District Football Stadium, Crowell, TX
- Drive Time Car Storage, San Antonio, TX
- Iron Tee Golf, Bettenderf, IA

- Marianna High School Baseball Field, Jackson County Schools, Marianna, FL
- Lake Nona Beach Volleyball, Orlando, FL
- South Walton Sports
 Complex, Baseball & MultiPurpose Fields, Walton County
 Board of Commissioners,
 Defuniak Springs, FL
- Big Corkscrew Island Regional Park Baseball, Multi-Purpose, Pool, Pool Square, Event Lawn Area, Basketball, Pickleball & Tennis, Naples, FL
- Tommy Oliver Stadium Football & Track, Bay District Schools, Panama City, FL
- Mickel Park Baseball, City of Wilton Manors, Wilton Manors, FL









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- Avicenna International Soccer Complex, Oxford, FL
- Wellington Community High School Park Tennis, Football & Basketball, Village of Wellington, Wellington, FL
- Hammondville Baseball, Hammondville, AL
- Charlie Vettiner Park
 Tennis Complex, Louisville, KY
- Petersburg Park Tennis Complex, Louisville, KY
- South Central Park Soccer Complex, Louisville, KY
- Veterans Park Multi Field Complex, Mint Hill, NC
- Flagler College Lacrosse Field, St Augustine, FL
- East Ouchita High School Football Stadium, Brockwell, Al
- Izard High School Football Stadium, Brockwell, AL
- CSLA School Football Stadium, Chattanooga, TN
- South Florence High School Football Stadium, Florence, SC
- West Florence High School Football Stadium, Florence, SC
- Wilson Florence High School Football Stadium, Florence, SC
- Southside School Baseball & Softball, Florence, SC
- Fairplay Park, Douglas County Parks (3)Baseball Fields, Douglasville, GA



- Georgia State Football Stadium-Turner Field, Georgia State University Football, Atlanta, GA
- North Oconee High School Baseball, Softball, Football & Soccer, Watkinsville, GA
- Cedartown High School Football/Track & Bleachers, Cedartown, GA
- Berrien County School Multi-Field/Track, Practice & Tennis Courts, Nashville, GA
- Mount Paran Christian School Softball, Kennesaw, GA
- Publix Sports Park Baseball & Soccer (13 Fields Total), Panama City, FL

- Falcon Plex Multi-Purpose Field, Cedar Crest College, Allentown, PA
- South Range High School Football Field & Track, South Range Athletic Boosters, Canfield, OH
- Brookville High School Football Field, Brookville, PA
- Bedford High School Football Field, Temperance, MI
- Southwest Valley High School Football Field, Corning, IA
- Chartiers Valley High School Football Field, Bridgeville, PA
- Heritage Park, Bakersfield, CA
- Cabot-Citrus Farms, Brooksville, FL

- Hillsdale College Track & Field Events, Hillsdale, MI
- North Baltimore High School Football Field, North Baltimore, OH
- Jackson College Baseball & Softball, Jackson, MI
- Carlson High School Football Field, Gibraltar, MI
- Pittsgrove Soccer Complex, Pittsgrove, NJ
- Selinsgrove High School Football Field, Selinsgrove, PA
- North Hills Schools, Martorelli Stadium, Pittsburgh, PA
- University of Maine-Fort Kent Soccer, Fort Kent, ME









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- Hempfield Area High School Football Fleld, Greensburg, PA
- Sechler Park Softball Field, City of Northfield, Northfield, MN
- Babcock Park Softball & Hockey, City of Northfield, Northfield, MN
- Minot North High School Football, Minot, ND
- Caldwell Park Football, Ocean View, NJ
- Franklin Regional High School Football, Soccer & Track, Murraysville, PA
- Mead Sportsplex Football, Mead School District, Mead, WA
- Ridgeline High School Football, Soccer, Track & Tennis, Central Valley School District, Liberty Lake, WA
- Zuni High School Sports Complex Baseball, Zuni, NM
- SanTan High School Football Field, Chandler, AZ
- Blanchet Catholic High School Football, Soccer, Track & Field Events, Salem, OR
- Pollock Field Softball, Department of the Navy, Marine Corps Base MCHB, Hawaii
- Job Corp US Forestry Service Baseball Field, US Forestry Service, White Swan, WA
- Salt Lake City, UT
- Willard City Schools, Willard, OH
- Days of 47 Rodeo Arena,

- **Tiger Stadium-North Allegheny** Pittsburgh, PA
- Lassonde Studio Volleyball & Basketball, University of Utah-Lassonde, Salt Lake City, UT
- Burns High School Football Field, Harney County School District #3, Burns, OR
- Pacific High School Football Stadium, Meramec Valley R-III School District, Pacific, MO
- Boonville City Soccer Fields, City of Boonville, Boonville, MO
- Riseley Field Baseball, US Marine Corps Base Hawaii, Kaneohe Bay, HI
- Plant Scherer, Juliette, GA
- Twelve Bridges High School Football, Soccer & Track. Western Place Unified School District, Lincoln, CA
- Clay County SC Complex, Clay County, FL

- Crane Union High School, Football Field, Burns, OR
- Metro State University Sports Complex, Denver, CO
- Lutheran High School Football Field, Parker, CO
- Bradshaw Christian High School Football Stadium & Track, Sacramento, CA
- Junge Stadium Football Field & Track, Joplin, MO
- City of Wilcox Ballfields, Basketball Courts, Softball & Rodeo, Wilcox, AZ
- Dutch Clark Football Stadium, Pueblo, CO
- Double Angel Baseball Field, Parker, CO
- Luckie Park-29 Palms, Twenty Nine Palms, CA

- Cranford Memorial Soccer Field, Cranford Soccer Club, Cranford, NJ
- Eden Community School District Soccer & Track, Eden,
- Penn-Trafford High School Football, Harrison City, PA
- Kingston High School Softball, Kingston, OK
- Ballinger ISD-Bear Cat Stadium Football & Bleachers, Ballinger, TX
- Brush High School, Brush, CO
- Lakewood Ranch High School Football, Bradenton, FL
- City Pond Park Ballfields 1-6, Covington, GA
- Port Neches-Groves High School, Port Neches, TX

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- Jackson Northwest High School Football, Jackson, MI
- Mecklenburg High School Football, Baseball & Softball, Baskerville, VA
- Nacogdoches High School Football Stadium, Nacogdoches, TX
- Putnam City West Football Stadium, Putnam City Schools Independent District No. 1, Oklahoma City, OK
- Sports Field & Stadium Complex, Bay County Board of Commissioners, Panama City Beach, FL
- Kings Meadow Park
 Basketball Courts, Miami-Dade
 County, Miami, FL
- Shiloh Football Field, City of Fruitland Park, Fruitland Park, FL
- Silo Public Schools Baseball & Softball, Silo, OK
- Heartwell Golf Course, American Golf, Long Beach, FL
- Rose Park Tennis Center, City of Abilene, Abilene, TX
- Weatherford Intermediate School District Baseball & Softball, Weatherford, TX
- Roy Anderson Sports Complex Baseball, City of Big Spring Park & Recreation, Big Spring, TX
- Golf Links Practice Range, Leonard Golf Links, Fort Worth, TX
- Malone High School Baseball Field, Jackson County Schools, Marianna, FL



- Raymond High School Football/Track, Raymondville Independent School District, Raymondville, TX
- Pickering High School Football Field, Vernon Parish School Board, Leesville, LA
- John Walter Smith Soccer Field, Worcester County Recreation & Parks, Snow Hill, MD
- Carmel Clay School District Baseball Quadplex, Carmel, IN
- Plum Senior High School Football & Track, Plum Borough School District, Pittsburgh, PA
- Donaldson Park Baseball, North Fayette Township, Oakdale, PA

- John A. Halter Shooting Sports Center Shooting Range, Trap & Skeet, Hillsdale College, Hillsdale, MI
- Northwest School District Football Field, Jackson, MI
- Drive Time Parking Area, Morrisville. PA
- Hart High School Football Stadium & Track, Hart Public Schools, Hart, MI
- Harrison High School Tennis Courts, Tippecanoe School Corporation, West Lafayette, IN
- Seeger High School Football Stadium & Track, MSD of Warren County, West Lebanon, IN
- Ben Davis High School Tennis Courts, Indianapolis, IN

- Nash Park Baseball Fields, Chatham Township, NJ
- Washington High School Football Field, Washington, PA
- Harbor Springs High School, Ottawa Stadium, Harbor Springs, MI
- Hillsdale College Baseball, Hillsdale, MI
- The Woods at Creekside Baseball Complex, Creekside Community Improvement District, Parkville, MO
- Rusk Intermediate School District Football Stadium, Rusk, TX
- North Florida Educational Institute Football Stadium, Jacksonville, FL









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- Shawnee Heights Unified School District 450 Football & Track, Tecumseh, KS
- Kamiakin High School Soccer & Football, Kennewick School District, Kennewick, WA
- Gallup-McKinley High School Football, Gallup-McKinley County Schools, Gallup, NM
- Zuni High School Softball Field, Zuni Public School District, Zuni, NM
- Woodland Christian High School Football Field, Woodland, CA
- Somerton High School Football/Track, Somerton, AZ
- Mustang Field Ballfield, Tucson, AZ
- Sierra College Football/ Track, Rocklin, CA
- Freeman High School Football/Track, Valleyford, WA
- Regent Prep School Multi-Purpose Field, Tulsa, OK
- Edcouch-Else High School Soccer, Edcouch-Else Intermediate School District, Edcouch, TX
- Cottondale High School Baseball Field, Jackson County Schools, Marianna, FL
- McDonough High School, Henry County Schools Baseball, Softball & Football, McDonough, GA
- St. Mary's Memorial High School Football Stadium, St. Mary's, OH



- Bainbridge High School, Decatur County Schools Baseball & Softball, Bainbridge, GA
- Tiger Stadium Football/ Track, North Allegheny School District, Pittsburgh,PA
- Stephen R. Gregg Park Softball & Soccer, County of Hudson, Bayonne, NJ
- Guerin Catholic High School Soccer Field, Noblesville, IN
- Ft. Simcoe Job Corps Basketball Courts & Skate Park, US Forestry Service, White Swan, WA
- Cashion High School Baseball Field, Cashion Public Schools, Cashion, OK

- Forsan High School Tennis Center, Forsan Independent School District, Forsan, TX
- Hanover-Horton School District Football Field, Jackson County Schools, Horton, MI
- Ella Grasso Technical High School, Groton, CT
- Trinity High School Football Stadium, Camp Hill, PA
- Traders Village Roller Coaster, Grand Prairie, TX
- Al Diriyah Farms Golf Club Driving Range, Diyadh, Saudi Arabia
- Sandhill Crane Golf Club Driving Range & Putting Green, Palm Beach Gardens, FL

- North Central High School Football, Pioneer, OH
- Glacial Valley Park Hockey & Basketball, Cottage Grove, MN
- Greenwood Sports Complex Baseball & Softball, Greenwood, IN
- Nub's Nob Ski Slope, Harbor Springs, MI
- LEAD Academy Baseball & Softball, Pace, FL
- Patel High School Soccer, Tampa, FL
- Arnold High School Football, Panama City, FL
- Cardinal Gibbons High School Football, Ft Lauderdale, FL









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- South Walton High School Baseball, Santa Rosa, FL
- The Heritage School Baseball & Softball, Newnan, GA
- Shiloh Football/Soccer Complex Football Game & Practice Football, Fruitland Park,
- Kennesaw State Fifth Third Stadium Football, Kennesaw, GA
- Qunicy High School Football Stadium, Qunicy, WA
- Capitol Futbol Club Soccer Field, Salem, OR
- Clement Park Baseball, Foothills Park & Recreation District, Llttleton, CO
- The Harbor School Soccer, Vashon Island Soccer Club, Vashon, WA

- Madison High School Event Stadium Soccer, Madison School District #321, Rexburg, ID
- Exeter Sports Field Football/Track, Exeter Public Schools, Exeter, CA
- Kearns High School Baseball Park & Facility, Kearns, CT











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- ♦ Chesterfield, MO
- Vineyard, UT
- Chattanooga, TN
- ◆ Charlotte SW, NC
- ♦ The Colony, TX
- ♦ Jacksonville, FL
- ♦ San Antonio, TX
- Birmingham, AL
- Albuquerque, NM
- ♦ Charlotte Univ, NC
- ♦ Cleveland, OH
- ♦ Fort Worth, TX
- Miami Gardens, FL
- ♦ Nashville, TN
- Overland Park, KS
- Ashburn, VA
- Augusta, GA
- ◆ Lake Mary, FL
- Doral, FL
- ♦ El Paso, TX
- ♦ Tucson, AZ
- Pittsburgh, PA
- ♦ Las Vegas, NV
- Edison, NJ
- ◆ Dallas, TX
- Austin, TX
- ♦ Huntsville, AL
- ♦ Alpharetta, GA
- ♦ Tampa, FL
- Spring, TX
- ♦ Rogers, AR
- Omaha, NE
- ♦ Gilbert, AZ
- ♦ Scottsdale, AZ ♦ Roseville, CA
- San Jose, CA
- Renton, WA
- Richmond, VA
- Fishers, IN
- ♦ Buford, GA
- Orlando, FL
- Germantown, MD
- ♦ Thornton, CO
- Ontario, CA
- Mt. Laurel, NJ
- ♦ Myrtle Beach, SC
- Pharr, TX
- ♦ Greenville, SC



- Auburn Hills, MI
- Greensboro, NC
- Oklahoma City, OK
- Schaumburg, IL
- Virginia Beach, VA
- ◆ Philadelphia, PA
- · Canton, MA
- - Wichita, KS
 - Baltimore, MD

• Naperville, IL

- Katy, TX

- National Harbor, MD
- Colorado Springs, CO
- Pompano Beach, FL
 Brooklyn Center, MN
 - Boise, ID
 - Louisville, KY

- Webster, TX
- Centennial, CO
- Salt Lake City, UT
- Glendale, AZ
- Columbus, OH
- Baton Rouge, LA
- El Segundo, CA

- West Chester, OH
- Schaunburg, IL
- Waco, TX
- Knoxville, TN
- Atlanta, GA
- Oklahoma City, OK
- St. Petersburg, FL
- Burlingame, CA

INTERNATIONAL **VENUES**

- ♦ Dubai, UAE
- Monterrey, Mexico
- Oberhausen, Germany
- Bangkok, Thailand
- Vienna, Austria





Product Information



Keep Your Neighbors in the Dark.

Be a good neighbor with amazing light spill & glare control!



Introducing the ALL NEW GameChanger™ Gen 4 Series!

GAMECHANGER



Features:

- Meet and exceed spill & glare control requirements to keep your neighbors happy
- Driver cabinets lower on pole no need for bucket truck to come back to your field for maintenance
- Wireless controls with no operation cost to you
- Entertainment package available; includes pre-set & custom scenes for field lights, dynamic & RGBA lighting
- 25-year warranty on parts & labor







Qualite GameChanger® Gen 4 QLED System offers the most advanced spill and glare control, making it the ideal choice when neighbors are close. It provides top-level field uniformity while reducing energy consumption for your project.

With 38 years of experience in the sports lighting industry, Qualite designs and produces all products in the USA. We have thousands of installations across the country.

We can also assist with the installation of lights and poles in most areas, if needed. Our 25-year full warranty includes parts & labor, ensuring a maintenance-free system for the owner. Our warranty covers both new installations and retrofit projects.

Additionally, we offer remote monitoring and adjustment capabilities for added convenience.

Qualite makes purchasing easy through national cooperative purchasing contracts. We provide project management to ensure a smooth process from start to finish.

If you haven't compared Qualite Sports Lighting with other options, you have nothing to lose, and everything to gain. You'll receive a comprehensive design and quote package from an award-winning national provider, likely at a competitive price with all the features you need.

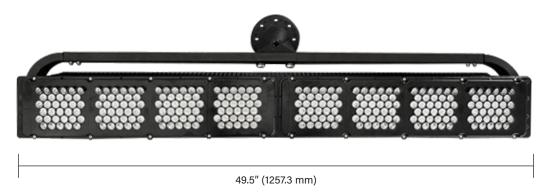
Make the better choice, with Qualite!

Consider Quality for a great option that includes everything from inception to completion of your project, including specifications, light designs, engineering, quotations, light level audit, and complete installation.

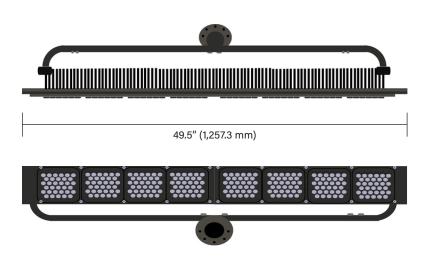
Main: 800.933.9741 • Fax: 517.437.3146 • info@qualite.com • www.qualite.com

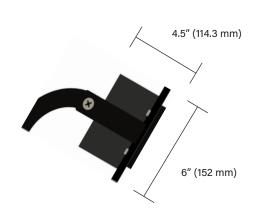


Fixture Technical Specifications



GEN 4





Applications

- Outdoor sports fields at all levels
- General area lighting

Controls

- LightCloud Gateway 4G
- Onsite touchscreen or smart switch w/dimmer

Input Power

- 208v 240v auto sensing
- 277v 480v auto sensing

Ratings

■ IP66, -40°C to 55°C

GameChanger Electric Detail	GEN4 Series (up to)
Kw Draw	1.320
*Lumen Output	143,827
ССТ	5,700
CRI	>80
Weight	39 lbs.
Current	Amps (up to)
Current 277v	Amps (up to) 4.76
277v	4.76
277v 240v	4.76 5.50

Please contact us for full technical specifications and all available options.



Basic Assembly Configuration

The GameChanger Lighting System

Pre-aimed, pre-wired and **FULLY ASSEMBLED** light racks for unequaled ease of assembly with guaranteed performance.

Features	System Benefits
High Efficiency LED	Lower power consumptionVery Low Lumen depreciation5700K / 80CRI Min
Pre-Wired and Pre-Aimed System	Ease of InstallationGuaranteed light levelsSystem engineered components
Nearly Instant On/Off	Allows for emergencyNo warm-up/cool-down time
Color-Consistency Dimmable	Maintains high denition quality lightingPower savings and design flexibility
Environmentally Safe	- ROHS compliant



Driver Distribution Cabinet

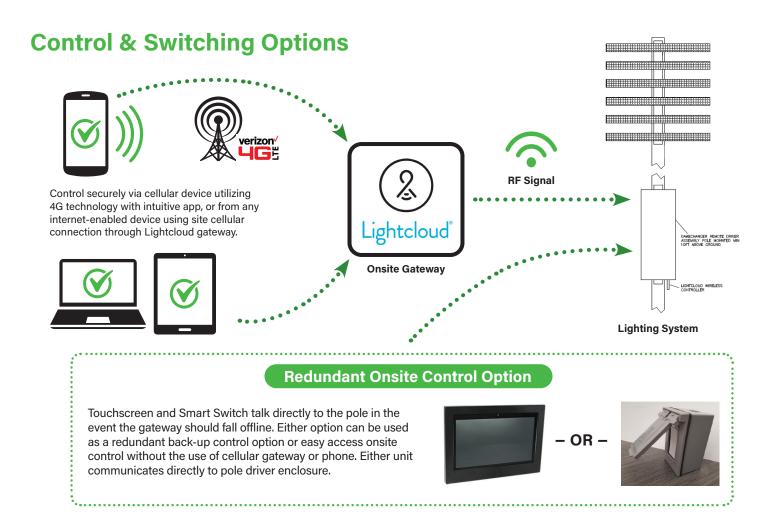


Easy Access Driver
with pullout service slides
Programmable IP67
Rated Drivers
with internal thermal
protection power supply
Wireless Controller
Disconnect
Pre-wired for single point
disconnection

Fused for redundant
protection

Power Line Filter
Reduce EMI and RFI
(both direction)





About Qualite

If you haven't compared Qualite Sports Lighting to your other options recently, you have nothing to lose and everything to gain. Discover the difference with our comprehensive design and quote package from an award-winning national provider of sports lighting. You'll likely find a competitive price that includes all the features and functions you need.

Qualite has been the sports lighting partner for high schools, colleges, parks and recreation departments, and minor and major league professional sports franchises for over 30 years. Qualite's Q-LED GameChanger™ is the first high performance sports lighting system designed for all sports venues, from youth to professional sports stadiums, with a focus on great connectivity and functionality at affordable pricing.



Qualite provides a complete 25-year service and performance warranty. This warranty includes parts, labor and equipment to keep your lighting system running at it's peak performance for a full 25 years. All service work is performed by our factory-trained service technicians. We also utilize our wireless controls for system monitoring and remote service.







Main: 800.933.9741 • Fax: 517.437.3146 • info@qualite.com • www.qualite.com



GAMECHANGER Q-LED ————



RAB CONTROLS - IN PARTNERSHIP WITH QUALITE

The Lightcloud Dimmer is an in-wall device that delivers remote switching, dimming and scene control.

Easily trigger one of your scenes, or toggle between multiple scenes.

Color: White Weight: 0.5 lbs

TECHNICAL SPECIFICATIONS

Compliance

UL Listed: Indoor use only

Electrical

Installation: All Lightcloud components should be installed by a licensed electrician in accordance with local codes.

Input Voltage: 120V through 277V

Frequencies: 50/60 Hz Electrical Ratings:

14 mA @ 120VAC 10 mA @ 277VAC

Construction

Operating Temperature Range:

0°C to 40°C

Storage Temperature Range:

-40°C to 85°C

Maximum Relative Humidity:

85%

Wire Gauge:

18AWG grounding; terminals supporting up to 12AWG wire

Wireless Range

Line of Sight:

1000 feet



Obstructions:

100 feet

Other

Warranty:

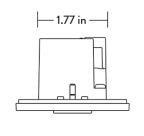
10-year full hardware warranty with 100% repair/replacement coverage for all properly installed devices. See Lightcloud Warranty Terms.

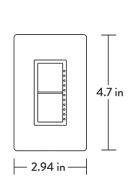
Buy American Act Compliance:

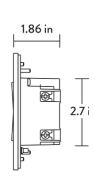
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Features

In-wall device for switching, dimming and scene control
Switch and dim individual fixtures or entire zones
Dimming features both fade on/off and rapid full-on
Assign scenes to top and/or bottom buttons
Set the max trim level for a zone or fixture to save energy
Use together with Lightcloud Controller or Sensor devices.







GAMECHANGER Q-LED —































Rectangular shaped LED floodlight designed to replace 70W Metal Halide. patent-pending "Air-Flow" technology ensures long LED and driver lifespan. Use for building façades lighting, sign lighting, LED landscape lighting and instant-on security lighting.

Color: Bronze Weight: 5.7 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info	
Туре	Constant Current	Watts	18W
120V	0.2A	Color Temp	5000K (Cool)
208V	0.15A	Color Accuracy	71 CRI
240V	0.13A	L70 Lifespan	100,000 Hours
277V	0.11A	Lumens	2,429 lm
Input Watts	19.7W	Efficacy	123.3 lm/W

Technical Specifications

Compliance

UL Listed:

Suitable for wet locations. Suitable for ground mounting.

IP Rating:

Ingress protection rating of IP66 for dust and water

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

Trade Agreements Act Compliant:

This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

DLC Listed:

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

DLC Product Code: S-ZL2GY0

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50 - 60 Hz, 120V: 0.2A, 208V: 0.15A, 240V: 0.13A, 277V: 0.11A

THD:

11.89% at 120V, 17.78% at 277V

Power Factor:

98.7% at 120V, 91% at 277V

Surge Protection:

6 kV

Performance

Lifespan:

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Wattage Equivalency:

Equivalent to 70W Metal Halide

Optical

NEMA Type:

NEMA Beam Spread 7H x 6V

Construction

Airflow:

Airflow technology heat sink for superior cooling

Ambient Temperature:

Suitable for use in up to 104°F (40°C)

Cold Weather Starting:

The minimum starting temperature is -40°F (-40°C)

Thermal Management Housing:

Die-cast aluminum housing, lens frame and mounting arm

Reflector:

Semi-specular anodized aluminum

Gaskets

High-temperature silicone gaskets

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

LED Characteristics

LFDs

Multi-chip, high-output, long-life LEDs

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period



Technical Specifications (continued)

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2017.

Installation

Mounting:

Heavy-duty mounting arm with "O" ring seal & stainless steel screw

Other

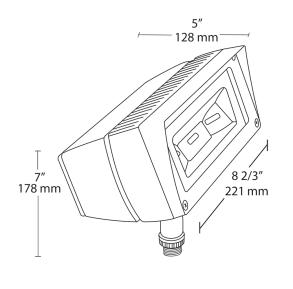
5-Year, No-Compromise Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Patents:

The FFLED design is protected by U.S. Pat. D643,147, Canada Pat. 140798, China Pat. ZL201130171304.1, Mexico Pat. 36757 and pending patent in Taiwan.

Dimensions



Features

Ultra-efficient LED and optical design

Replaces 70W MH floodlights

100,000-hour life based on LM-80 results and TM-21 calculations

NEMA type - 7H x 6V

"Air-Flow" technology heatsink

5-Year, No-Compromise Warranty



Family	Wattage	Mounting	Color Temp	NEMA Type	Finish	Driver	Options	Other Options
FFLED	18							
	18 = 18W	Blank = Knuckle Mount	Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm	Blank = 7H x 6V	Blank = Bronze W = White	/E = 120-277V Battery Backup /EC = Cold Start Battery Backup Blank = On/Off ¹	Blank = No Option /PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /PCS4 = 480V Swivel Photocell /PCU = 120-277V Button Photocell /MS = Mini Sensor /STL3 = Stealth Sensor	Blank = Standard
			¹ Dimm	ing Driver for 18W	V, 26W & 39W mod	dels only		



JDelivery



October 16, 2025

To Whom It May Concern:

Once an order is placed with Qualite, we would expect two (2) weeks for submittals to be delivered and approved.

Once approved for this project, we can have lighting and pole materials available approximately ten (10) to twelve (12) weeks from signed submittal. We can also have fields shipped as installation dictates.

We see no issue in meeting project time requirements and we think these could be improved on as we continue to coordinate with project managers.

Thank you.

Lizzie Hobart

Sales Manager

Lizzie Hobart

Qualite Sports Lighting, LLC.

854.895.2928 Ihobart@qualite.com



K Cost of Ownership

PROJECT: Prosperity Park
DESIGN #: 23531D1A
DATE: 10/16/2025



Full GC

Fixture Quantity	kW	kWh rate	Annual Usage	Life (years)	Total
22	1.3	\$ 0.15780	300	25	\$ 33,848.10
Communications Cost for wireless Controls are covered for 25 years					0
All Maintenance Cost are covered for 25 years				0	
Total 25-Year Life-Cycle Operating Cost				\$ 33,848.10	



Domestic US Content



October 16, 2025

Re: Buy American Compliance

To Whom it May Concern:

We are confirming compliance with "Buy American Act."

This project contains 38% of its costs for foreign goods and 62% of its costs are for domestic products.

Please reach out should you have questions.

Mikel J. Boorom, PE

V.P. Product Development & Manufacturing | Qualite Sports Lighting, LLC

T: 517.610.5709 | F: 517.437.3146 | C: 517.795.3718

MBoorom@qualite.com

215 W. Mechanic, Hillsdale, MI 49242

Visit us online: Facebook | Twitter | Instagram | YouTube | LinkedIn





M About Qualite



QUALITE HAS OVER 30 YEARS OF EXPERIENCE IN THE STADIUM & FIELD LIGHTING INDUSTRY

WHO WE ARE

Qualite has been the sports lighting partner for high schools, colleges, parks and recreation departments, and minor and major league professional sports franchises for over 30 years. Qualite's Q-LED GameChanger™ is the first high performance sports lighting system designed for all sports venues, from youth to professional sports stadiums, with a focus on great connectivity and functionality at affordable pricing.



LIGHTING SYSTEM DESIGN

Qualite utilizes its experienced design team to develop complete lighting designs that provide code-compliant, yet energyefficient, lighting systems.

PROJECT MANAGEMENT

Qualite offers complete project management to provide seamless, ontime completion of your project.



WHERE ARE WE LOCATED

Qualite maintains corperate operations in Hillsdale, MI, along with our manufacturing facility, sales and customer service teams.

COMPLETE INSTALLATION SERVICES

Allow Qualite to provide a turnkey solution. From design and manfactuing to installation by our trained factory installation and service team. Each member has extensive knowledge of our products offering code-compliant installation.

25-YEAR SERVICE WARRANTY

Qualite provides a complete 25-year service and performance warranty. This warranty includes parts, labor and equipment to keep your lighting system running at it's peak performance for a full 25 years. All service work is performed by our factory-trained service technicians. We also utilize our wireless controls for system monitoring and remote service.







THE AWARD-WINNING QLED GAMECHANGER LIGHTING SYSTEM IS DESIGNED AND MANUFACTURED IN THE USA



THE GAMECHANGER

The art of design is clearly illustrated with the QLED GameChanger™ Lighting System. With proprietary optical lenses that provide precision lighting on and off the field, the GameChanger is designed for performance and energy savings. The GameChanger is factory-aimed and guaranteed to perform as designed for 25 years.

INNOVATIVE HELICAL DESIGN

Old-style, straight crossarms are obsolete. A new, fresh approach utilizes a vertically-mounted stanchion providing lower wind loads on poles and higher performance. Also, by centering loads, lighting poles are subjected to less torsional loads, in turn extending their life. The helical design is very efficient for lighting efficiency, as well, and allows the designer to maintain good aiming angles while limiting spill.





PRECISE LIGHTING CUT-OFF

The GameChanger offers a wide range of cut-off capabilities. With precision optical lenses, lighting cut-off can be achieved in most cases. If extreme cut-off is needed, Qualite engineers add a external visor that extends the cut-off and increases the cut-off capabilities.





Gamechanger Performance Specifications



ELECTRICAL DETAIL	GC600	GC1200
Input Watts	600 W	1200 W
KW Draw	.65	1.3
Lumen Output	>60,000	>120,000
Lumens/Watts	>115	>115
ССТ	5,700	5,700
CRI	>80	>80
Weight	25 lbs	39 lbs

CURRENT	AMPS	AMPS
480 V, 1P	1.35	2.70
277 V, 1P	2.35	4.70
240 V, 1P	2.71	5.42
208 V, 1P	3.13	6.26
120 V, 1P	5.42	10.80

- Pre-Wired System
- Pre-Aimed Optics
- Remote Driver Enclosure
- Over Current Protected
- Power Conditioner Included
- Service Disconnect Included
- No Exposed Wiring
- Wiring Harness Included
- Wireless Controls Included
- No WIFI Required
- Dimming Capabilities
- · Customer-Designed Scenes
- Advanced Scheduling Capabilities
- Remote Diagnostics Included
- Steel or Concrete Pole Options

- Precision Optics Included
- Built-In Glare Control
- IP66, -40L C TO 55L C
- Lightning Protection
- External Visor (optional)
- 24/7 Tech Support
- 25-Year Warranty
- Performance Guarantee
- Extreme Reliability
- 100,000+ hour life
- HDTV Compatible
- Retrofit Compatible
- Made in the USA
- ROHS Compliant
- Environmentally-friendly packaging



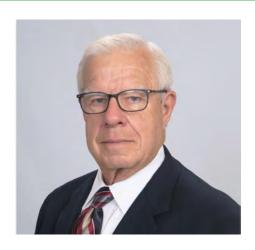
M. Eric Boorom, Founder



- Founder of Worth Capital and Worth Investment Group
- Proven track record of over 26 years in operations management, turnarounds, workouts, banking, finance, and mergers & acquisitions
- The Bank of Tokyo-Mitsubishi, the second largest bank in the world; worked as a team member in the Special Assignments Group
- ABN-AMRO/LaSalle National Bank, one of the world's largest banks headquartered in Chicago, Illinois; Worked as a credit analyst, and was also involved in debt recapitalization, operational reengineering, turnaround financing, workout and bankruptcy transactions, real estate financing, enterprise value transactions (cash-flow based financing), mergers, acquisitions, cross-border financing and the issuance/procurement of subordinated debt, bonds and equity.
- Currently President and CEO of Worth Holdings, LLC
- Currently President and CEO of Qualite Sports Lighting, LLC
- Bachelor of Science in finance from Michigan State University



Mikel J. Boorom, P.E. VP and Director of Product Development and Manufacturing



Mikel Boorom started his career working for Commonwealth Engineers, where he designed high-voltage steel and aluminum transmission line structures, including sectional steel pole structures, also designing the reinforced concrete foundations for the structures.

Mr. Boorom was involved with the structural concrete design for a number of nuclear power plants, and has provided engineering expertise in the fields of aerodynamics, aircraft structural analysis and design.

He has been employed by SAFRAN as an expert in the integration of aircraft diesel power plants on general aviation aircraft during which he provided on-site expertise for various projects in France and Central America. He has provided contract services for the Structural Steel Industry and Aircraft Industry. Composite materials integration in current aircraft design optimization of aero dynamic drag reduction.

He has been active in the American Institute of Steel Construction, American Concrete Institute, National Society of Professional Engineers, American Institute of Aeronautics and Astronautics, Society of Automotive Engineers, American Society of Civil Engineers and Structural Engineering Institute.

In addition, he holds an FAA Airframe and Powerplant Mechanics Certificate, Private Pilot's License, with Single Engine and Multi-Engine, Instrument Rating, Seaplane Rating. He has over 10,000 hours of fight time, ranging from ultraflights to Lear jets.

Mr. Boorom earned his bachelor of science degree in Civil/Structural Engineering from Michigan State University and additional studies in soil mechanics, composite structures design, FAA Certification procedures and Forensic Analysis of Structural Failures.



Heather Jeffrey Sales and Marketing Manager



Heather Jeffrey is the Marketing/Sales Manager for Qualite Sports Lighting.

She joined the team in 2017 and brought with her two decades of marketing, management and sales experience.

Prior to joining our team, she owned and operated her own successful marketing/sales support company. Prior to that, for 18 years, she served as the Executive Editor of two daily newspapers, two total market coverage publications and four weekly newspapers in Michigan.

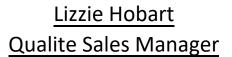
She studied journalism at Michigan State University and radio/television broadcasting at Kellogg College.

Heather, who started as a customer concierge, specializes in leading our marketing efforts and customer service teams, with a special emphasis on the facilitation/management of our inside and outside sales team.

Capabilities areas of expertise:

- * Sales, customer service and marketing team management;
- * Oversee sales, customer service and marketing team daily duties;
- * Communications;
- * Customer retention;
- * Software administration;
- * Value-engineering options;
- * Bid Packages;
- * Quoting;
- * Marketing presentations; and
- * Email marketing.







Dynamic and results-driven Business Development professional with 6+ years of experience specializing in client support, corporate hospitality, and customer service for Pegula Sports and Entertainment.

Proven ability to build strong client relationships, drive customer satisfaction, and identify growth opportunities across diverse sectors.

Recently transitioned into sports lighting sales, leveraging a deep understanding of client needs and strategic relationship management to excel in a technical, fast-paced sales environment.

Known for delivering personalized solutions, enhancing customer experience, and contributing to long-term business success.

Bachelors degree from Canisius University with a major in Marketing and Communications.



<u>Patricia Del Rio</u> Lighting Design Engineer



Patricia del Rio is an Orlando-based Lighting Design Engineer with over 20 years of experience in manufacturing engineering and the lighting industry.

Patricia joined the Qualite Sports Lighting Team in 2023. Patricia is an expert in lighting design analysis for indoor and outdoor sports projects that comply with IES lighting standards. Patricia's expertise includes indoor, outdoor, roadway, and sports lighting.

As a lighting designer, Patricia has analyzed and developed designs for occupational settings (i.e. offices, schools, warehouses), commercial settings (i.e. restaurants, hotels, parking garages), and life safety egress (i.e. corridors, stairwells). Patricia's latest experience has been with Qualite Sports Lighting, providing lighting designs for sports fields (i.e. football, soccer, baseball, softball, and more) and indoor sports facilities (i.e. basketball arenas).

Patricia is focused on excellence through continuous improvements, creative solutions, and analytical approaches to provide exceptional results. Patricia excels through mentoring, training, and empowering junior designers to excel. Patricia is a proud member of the Illuminating Engineering Society.

Capabilities and areas of expertise:

- Bachelor of Science in Mechanical Engineering from Florida Atlantic University
- Master of Science in Occupational Safety Management from Embry-Riddle Aeronautical University
- Lean manufacturing and design engineering
- Lighting Analysis & Design using AGI32 Lighting Analyst
- Understand & Interpret the NFPA Life Safety Code
- IES/NA Recommendations & Guidelines
- OSHA Compliance & Safety
- AutoCAD / REVIT / Sketchup
- Leadership & Mentoring
- Inside sales/manufacturer's representative
- Indoor, outdoor, parking garages, stairwells, commercial, industrial, sports lighting, egress



<u>Daniel Elias,</u> <u>Electrical Engineer/</u> Master Electrician



Daniel Elias serves as Qualite Sports Lighting's electrical engineer.

He was born and raised in Argentina and came to the United States about 20 years ago. He lived in Hollywood, Florida and later moved to San Antonio, Texas, where he lives now with his wife and children.

He has worked in the electrical field for entire life and recently completed his schooling and graduated with an electrical engineer degree. He is a master electrician. He specializes in electrical layout and material planning, as well as provides on-site leadership to execute the quality of installation. He has 12 years experience in the electrical trade.



Samuel C. Spragg: Production & Facilities Manager



Sam Spragg is the Production and Facilities Manager, with more than 15 years of experience in managing and organizing production and transportation.

Mr. Spragg joined the team in 2023, after a plant closure in the automotive industry, where he managed production employees, transportation and scheduling teams. His organization covered North America, suppling the automotive industries with just in time management. He led diverse work groups of management and union employees. Sam specializes in developing a positive workplace culture and boosting morales, as well as empowering teams and employees to achieve defined goals.

Capabilities and areas of expertise:

- Leadership, team-building, transparency;
- Promoting a safe work environment;
- Quality assurance;
- Coordinating new policies and procedures;
- Team management to effectively execute project goals;
- Review and execute production plans and material needs;
- Problem-solving;
- Identify potential cost savings;
- Oversee daily operations and scheduling of jobs;
- Encourage and enhance self-awareness;
- Promoting adaptability;
- Formulate changes to improve;
- Ability to strategize new concepts;
- Implementing product improvements; and
- 24-year career of managing a strong and efficient work force.



Christopher Parks, Senior Project Manager

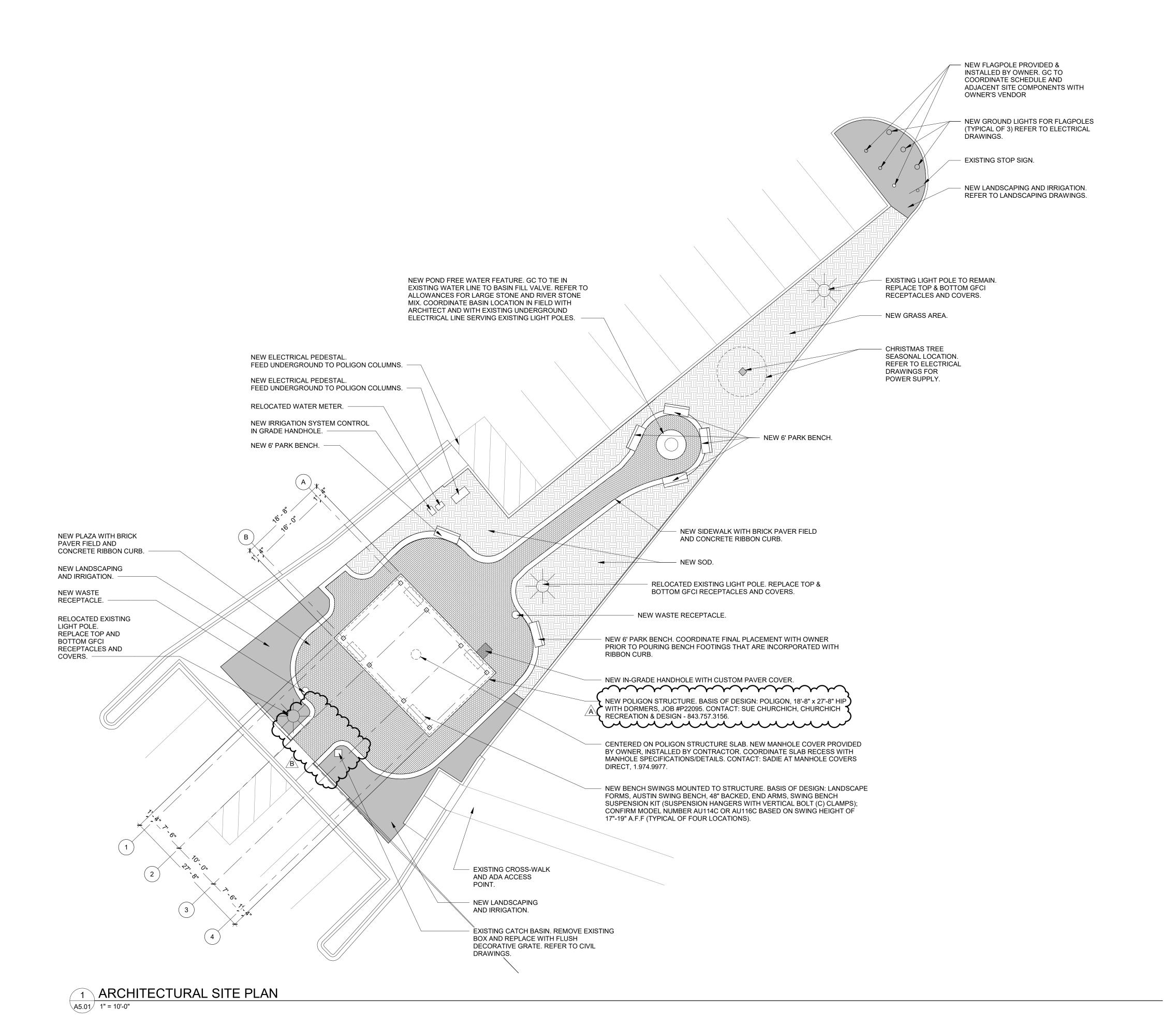


Chris Parks is a senior project manager with Qualite, who oversees a crew for warranty and service. He also handles customer service, Qualite controls trouble-shooting, and has eight (8) years of management experience.

Mr. Parks started with the Qualite team in 2012 on the production floor and worked his way up to warehouse manager, then to purchasing manager, then to production manager and finally, to his current Senior Project Manager position. He has helped develop good production work-flow to help meet production goals and time lines.

Capabilities and areas of expertise:

- Leadership to coordinate the effective completion of production needs to meet customer deadlines
- Team management to effectively execute project goals
- Technical trouble-shooting of LED and Metal Halide systems and controls
- Oversee daily operations
- Issue resolution
- Crew route planning
- Scheduling crews and production
- Purchasing and product sourcing
- Safety procedures

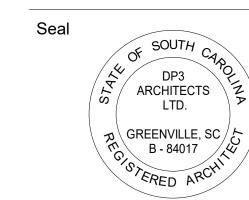


GENERAL SITE PLAN NOTES

- A. COORDINATE ARCHITECTURAL PLANS WITH CIVIL, LANDSCAPE, ELECTRICAL AND STRUCTURAL DRAWINGS.
- B. CANOPY STRUCTURE TO BE PROVIDED BY AND INSTALLED BY GENERAL CONTRACTOR. REFER TO STRUCTURAL DRAWINGS

FOR REQUIREMENTS FOR COORDINATION OF FOUNDATIONS.

C. PROVIDE TEMPORARY EROSION CONTROL UNTIL FINAL SURFACES AND VEGETATION ARE INSTALLED.





SEPTEMBER 4, 2025



DP3 Architects, Ltd. 15 South Main Street, Suite 400 Greenville, SC 29601 864.232.8200 www.DP3architects.com

Project



NEWBERRY COUNTY PROSPERITY PARK **IMPROVEMENTS** PROSPERITY TOWN SQUARE

LTG

23235-D Project Number Drawn By RHW Checked By 4 SEP 2025 Date

Revisions

A 10/14/2025 Revision A B 10/28/2025 Revision B

Drawing

ARCHITECTURAL **KEY SITE PLAN**





PLANT SCHEDULE SYMBOL CODE BOTANICAL / COMMON NAME CONT CAL QTY **DECIDUOUS TREES** CERCIS CANADENSIS 'FOREST PANSY' / FOREST PANSY REDBUD 2"CAL B & B CODE BOTANICAL / COMMON NAME CONT HT QTY **SHRUBS** ARONIA MELANOCARPA 'UCONNAM165' TM / LOW SCAPE MOUND BLACK CHOKEBERRY 3 GAL HESPERALOE PARVIFLORA / RED YUCCA THUJA OCCIDENTALIS 'CONGABE' / FIRE CHIEF ARBORVITAE **GRASSES** MUHLENBERGIA CAPILLARIS / PINK MUHLY CONT SYMBOL CODE BOTANICAL / COMMON NAME SPACING QTY GROUND COVERS ECH KIM ECHINACEA PURPUREA 'KIM'S KNEE HIGH' TM / PURPLE CONEFLOWER HYPERICUM CALYCINUM / CREEPING ST. JOHN'S WORT RUDBECKIA HIRTA / BLACK-EYED SUSAN 17 SOD/SEED CYNODON DACTYLON X TRANSVAALENSIS 'TIFWAY 419' / TIFWAY 419 BERMUDAGRASS SOD **GENERAL NOTES:**

1. GRADING All final grading shall be the responsibility of the landscape contractor.

2. BACKFILL/TOPSOIL Landscape contractor shall provide all planting areas with an organic, screened topsoil. Two inches (2)" of organic, screened topsoil should be added to and incorporated into all plant beds.

3. ORGANIC AMENDMENTS Organic amendments, comprised of 50% composted leaf mulch, 50% mushroom compost, should be added to all single planting holes and back fill for all plant beds and be thoroughly cultivated 6 inches deep to a fine texture (no clods over ½") with a mechanical tiller. Organic matter should comprise approximately 10 to 20 percent of this total soil volume. PLANTINGS NOT DONE IN THIS MANNER SHALL BE REMOVED AND PROPERLY REPLANTED. In addition, during planting, all plants shall receive a mycorrhizal based fertilizer amendment per item 7.

4. PLANT QUALITY All plants shall be nursery grown, have a full habit of growth as is characteristic of that species, and shall be free of disease or insects. General plant quality shall be as specified in the "USA Standard for Nursery Stock" (published by the American Association of Nurserymen) and meet ANSI Z60.1 standards. All 3 gallon deciduous material shall be a minimum of 2' in height. All 3 gallon evergreen material shall be a minimum of 18" height with the exception of the dwarf gardenia which should be a minimum of 12". All 5 gallon material shall be a minimum of 3' in height. All 7 gallon material shall be a minimum of 4' in height. The owner and Landscape Architect reserve the right to modify plant selection during contract negotiations. If a particular species or cultivar is unavailable, the owner or Landscape Architect must approve a substitution.

5. PLANTING HOLES Trees and shrubs: Remove rock and construction debris from planting area. Dig holes two to three times as wide as the rootball and almost as deep as the height of the root ball. Soil at the bottom of the hole is left undisturbed. The rootball of trees should sit 2"- 3" above the surrounding soil. See planting detail additional information.

6. SETTING OF PLANTS The root ball of container grown plants shall be scarified in several places prior to planting. Plant shrubs and trees so that the top of the root ball will be slightly above the adjacent soil line. SINGLE PLANTING HOLE - backfill bottom half of space around the rootball with loosened original soil (use amended soil only when necessary for good soil tilth. (See ORGANIC AMENDMENTS). Tamp lightly. Finish filling the hole with loose soil and then tamp again. SHRUB BEDS - Backfill bottom half of bed surrounding shrubs with amended backfill (see ORGANIC AMENDMENTS). Tamp lightly and water to settle soil. Finish filling hole with loose amended backfill and gently tamp again. Water shrub bed to settle soil. Mulch plant beds with 3" double ground hard wood mulch - KEEP MULCH OFF OF TREE TRUNKS AND PLANT STEMS.

7. FERTILIZING During planting, all plants shall receive a mycorrhizal based fertilizer amendment, such as Bio-Plex 5-in-1 Complete Planting granules, or equal (if approved by landscape architect), according to manufacturer's instructions. This product must be incorporated into the soil used for backfill and cannot be installed on the surface after planting.

8. STAKING OF TREES All trees over 5' height should be staked when planted. The Landscape Contractor is responsible for all wind damage to trees. (provided winds are less than 60 mph) during the guarantee period, and may stake other trees (for his own protection) at his option. Landscape Contractor will be responsible for removal of all staking material one year after installation. Any trees leaning more than 15 degrees from upright at the end of the the year guarantee must be replaced by the landscape contractor.

9. IRRIGATION All shrub beds and trees should be irrigated with drip - Rainbird, Toro or equal. Include rain sensor and ground moisture probes. System mush shut off after $\frac{1}{4}$ in rain event Lawn areas to receive spray heads. Provide shop drawing of final layout. Turf lawn areas shall receive spray

10. MULCH All plant beds are to receive 3" of double ground hardwood mulch (not dyed) evenly distributed. Ensure mulch is NOT in contact with trunk of trees or stems of plants (no volcano mulching).

11. UTILITY LOCATION: The Landscape Contractor is responsible for contacting the utility locator service and is responsible for any damage done to

12. QUANTITIES Plant quantities are shown for the contractor's convenience only. PLANTS SHALL BE INSTALLED AS SHOWN. Contractor is responsible for confirming all quantities prior to bidding and installation.

13. BIDS In order to keep all bids standard, all bids are to have unit prices listed. The Owner has the option to delete any portion of the contract prior to signing the contractor beginning work. This will be a unit price contract.

14. CLEAN UP Final clean up of any disturbances occurring as a result of landscape operations shall be the responsibility of the landscape contractor.

15. INSPECTION It shall be the contractor's responsibility to provide for inspection of the plant material by the Landscape Architect prior to installation. All plant material will be inspected. Plants not conforming precisely to the plant list will not be accepted and shall be replaced at the contractor's own

16. LICENSES The contractor will be responsible for obtaining all licenses necessary to complete the work.

17. INSURANCE With the submittal of bid documents, the landscape contractor shall also submit a certificate of insurance for workman's compensation and a contractor's general liability. Contractors not providing evidence of such insurance will be ineligible to receive the contract for the job.

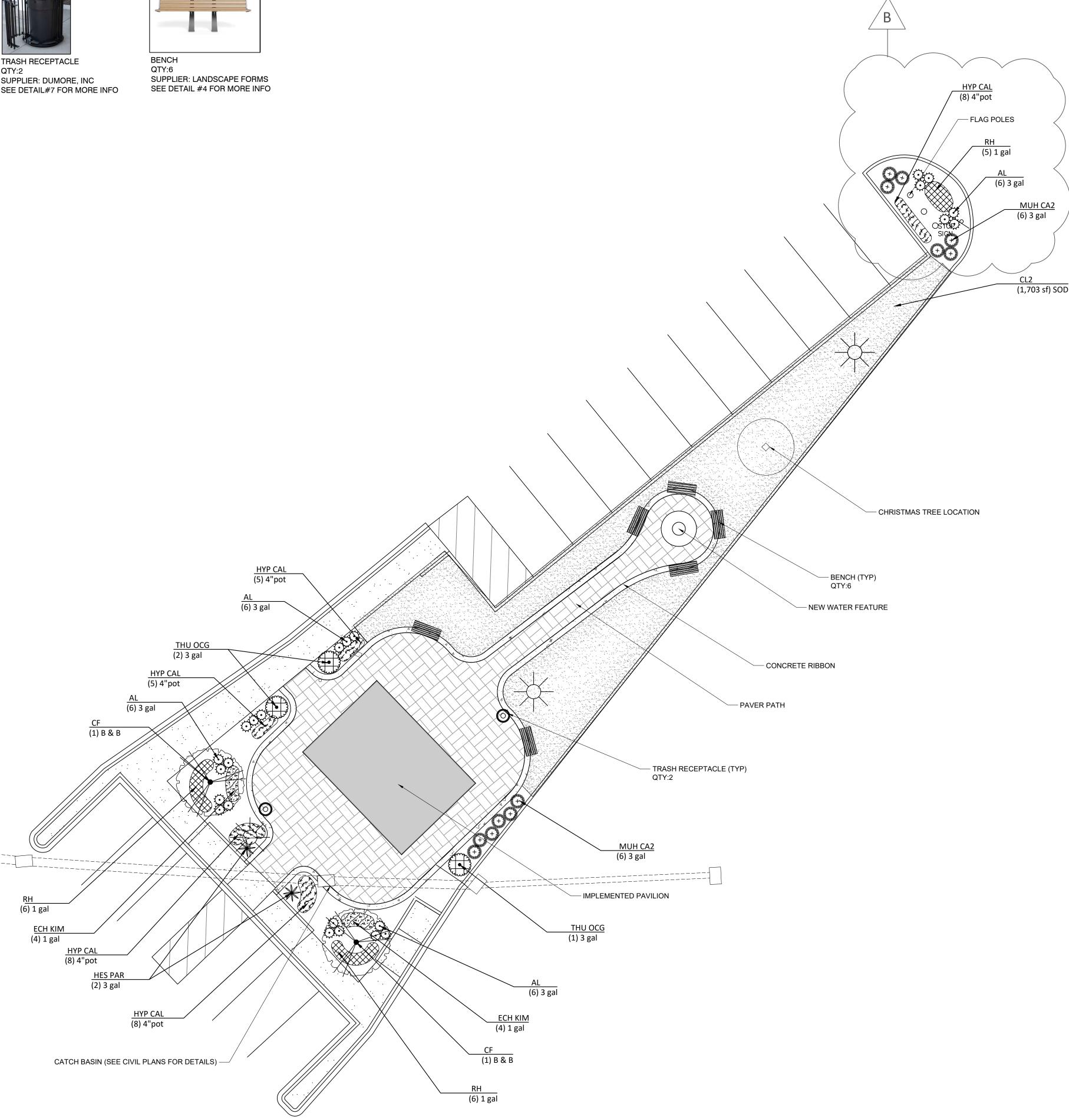
18. GUARANTEE All plant material and workmanship to be guaranteed for one year from the date of acceptance by the Owner. Plant replacement to occur only once. The contractor will not be responsible for defects resulting from neglect by the Owner, abuse or damage by others, or unusual phenomena or incidents beyond the landscape contractors control which result from natural causes such as floods, lightning, storms freezing rain, or winds over 60 miles per hour, fire, vandalism or theft.

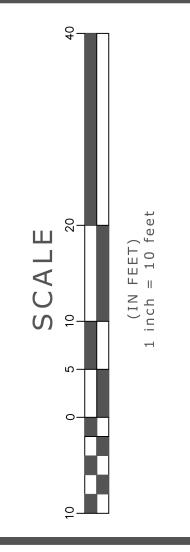
SITE AMENITIES



TRASH RECEPTACLE SUPPLIER: DUMORE, INC









NEWBERRY COUNTY PROSPERITY PARK **IMPROVEMENTS**

PROSPERITY TOWN **SQAURE**

PROSPERITY PARKS TOWN SQUARE IFP SET

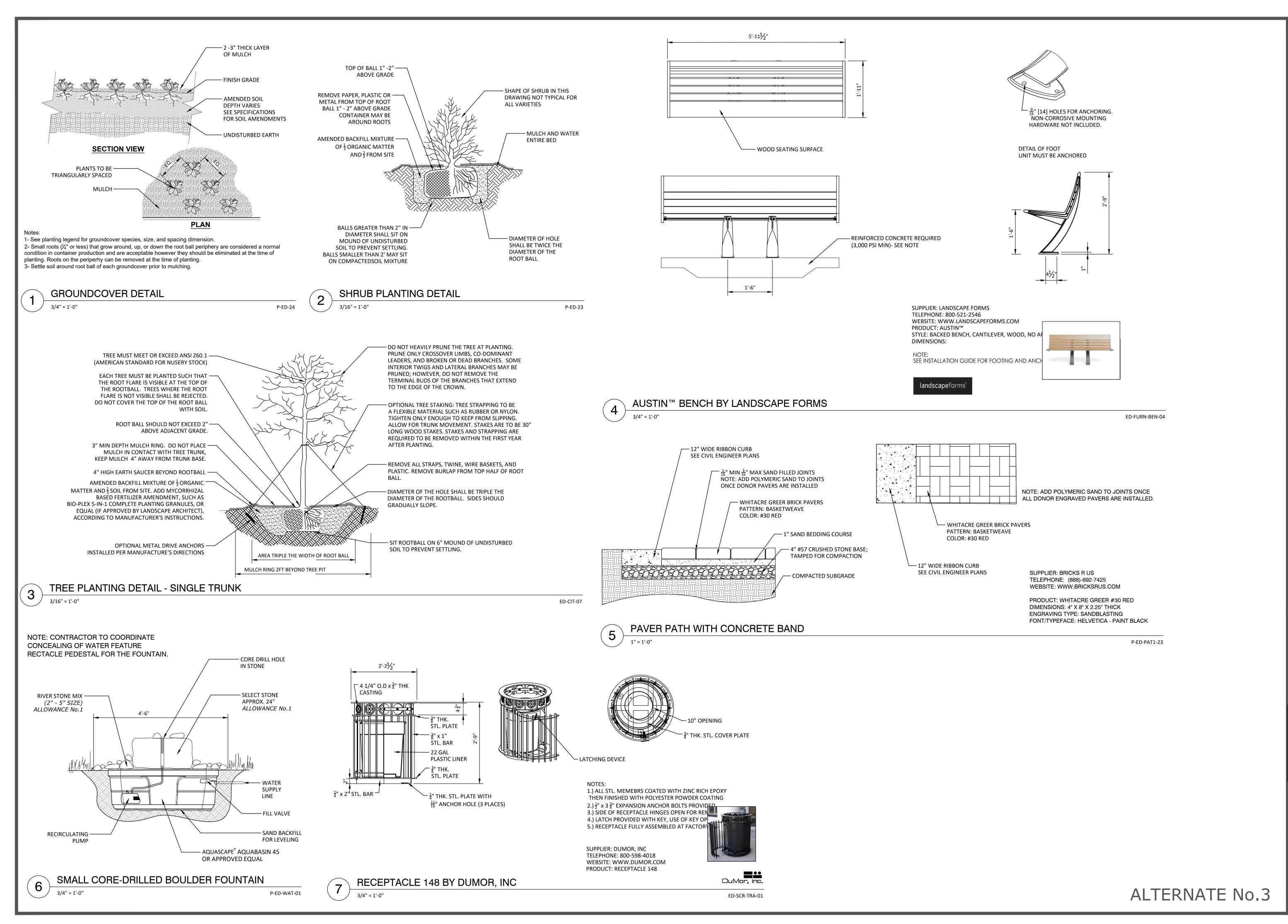
DATE DRAWN: 09/04/2025 REVISION B: 10/24/2025

DESIGNER: HBO, MB DRAWN BY: MB

SHEET #:

JOB #: 24569

ALTERNATE No.3



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Landscape Architecture and Environmental Landscape Architecture and Environmen

NEWBERRY COUNTY PROSPERITY PARK IMPROVEMENTS

PROSPERITY TOWN SQAURE

PROSPERITY
PARKS TOWN
SQUARE
IFP SET

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DESIGNER: HBO, MB DRAWN BY: MB

SHEET #:

L-102

JOB #: 24569