

<b>INVITATION TO BID</b>	<b>LSU</b>	<b>BID DUE DATE AND TIME</b>		
BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL & MECHANICAL COLLEGE		<b>07/28/2026</b>	<b>11:00 AM</b>	<b>CT</b>

<b>SOLICITATION</b> RFQ-0000002862 <b>SUPPLIER #</b> <b>SUPPLIER NAME AND ADDRESS</b> <div style="border: 1px solid black; height: 80px; width: 100%; margin-top: 10px;"></div>	<b>RETURN BID TO</b> lsubids@lsu.edu  <b>Buyer</b> Erica Pino <b>Buyer Phone</b> <b>Buyer Email</b> epino2@lsu.edu <b>Issue Date</b> 07/05/2026
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**TITLE:** Burden Museum & Gardens LA Light Show Lights and Accessories

- To Be Completed By Supplier**
1. \_\_\_\_\_ "No Bid" (sign and return this page only).
  2. \_\_\_\_\_ My Company does not wish to receive future solicitations for this spend category.
  3. Specify your Delivery: To be made within \_\_\_\_\_ days after receipt of order.
  4. If applicable, Supplier's Addendum Acknowledgement/Response:  
As an authorized agent/signatory of the supplier, I/we acknowledge receipt of this Addendum, and  
\_\_\_\_\_ submit no alterations/clarifications to our original bid.  
\_\_\_\_\_ submit superseding revisions/clarifications to our original bid as written herein or attached hereto.
- General Instructions to Suppliers**
1. Sealed bids for furnishing the items and/or services specified are hereby solicited, and will be received by LSU Procurement at the "Return Bid To" address stated above, until the specified due date and time.
  2. Read the entire solicitation, including all terms, conditions and specifications.
  3. All bid information and prices must be typed or written in ink. Any corrections, erasures or other forms of alteration to unit price are to be initialed by the supplier.
  4. Bid prices are to be quoted FOB LSU/Destination and inclusive of any and all applicable shipping and handling charges unless otherwise specified in the solicitation. Any invoiced delivery charges not quoted and itemized on the LSU purchase order are subject to rejection and non-payment.
  5. Payment is to be made within 30 days after receipt of properly executed invoice, or delivery and acceptance, whichever is later.
  6. By signing this solicitation, the supplier certifies compliance with all general instructions to suppliers, terms, conditions and specifications; and further certifies that this bid is made without collusion or fraud.

<b>SUPPLIER NAME</b>	<b>MAILING ADDRESS</b>
<b>AUTHORIZED SIGNATURE</b>	<b>CITY, STATE ZIP</b>
<b>PRINTED NAME</b>	<b>PHONE #</b>
<b>TITLE</b>	<b>FAX #</b>
<b>E-MAIL</b>	<b>FEDERAL TAX ID #</b>

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**1. Bid Submission Information**

All bids must be submitted electronically to LSU Procurement Services. Bids must be received at the "Return Bid To" email address no later than the due date and time specified herein. Bids must be emailed to [lsubids@lsu.edu](mailto:lsubids@lsu.edu) (*This email address should be used for bid submissions only*). Any bids sent directly to the Buyer of record **will not** be forwarded to the "Return Bid To" email.

When submitting electronically, the RFQ number and solicitation title should be listed in the subject line of the email. An original and redacted copy (if applicable) must be submitted electronically. Hard copies of bids will not be accepted; therefore, they will not be evaluated.

It is the responsibility of the Supplier to ensure the bid is received by LSU Procurement by the indicated due date and time. Any delays that may occur in transmission of the bid is the responsibility of the supplier. A bid will be considered late if it is not received at the "Return Bid To" email address by the indicated due date and time.

The maximum email attachment size accepted is 125 MB. It is the supplier's responsibility to ensure bid submission is sized such that it is successfully transmitted and received by LSU. If the bid response is too large to be emailed as one document, the bid must be sent as separate documents. Each submittal should be labeled. (Example – Bid Submittal 1 out of 3 for RFQ-000000XXXX - Title; Bid Submittal 2 out of 3 for RFQ-000000XXXX - Title, etc.). If any submittal is received late, LSU will not consider the late submittal(s). Only the submittal(s) received by the due date and time will be considered. Late bids will not be accepted per LAC 34:XIII.515.B.

**2. Bid Opening Information**

Bid openings are held electronically. There are no in-person bid openings. To electronically attend the bid opening, use the below link to register in advance:

<https://lsu.zoom.us/meeting/register/QLfFfBZmRqio9DF9ESf0QA>

After registering, a confirmation email will be provided containing information about joining the bid opening.

No information or opinions concerning the ultimate contract award will be given at bid opening or during the evaluation process.

If an unforeseen circumstance beyond LSU's control prevents bid opening, the Bid will open at the next scheduled bid opening date.

**3. Method of Award**

It is the intent of the University to award all items on the bid to the lowest responsible and responsive supplier for all items; however, the University reserves the right to not award all items if it's determined to be in the best interest of the university due to budgetary reasons. Regardless of which items are awarded, award can only be made to the overall lowest responsive and responsible bidder for all items.

**4. Insurance Requirements**

Please note attached insurance requirements. Successful bidder will be required to furnish a certificate of insurance evidencing required coverages and naming the Board of Supervisors of Louisiana State University and Agricultural and Mechanical College as an additional insured on all liability policies.

5. Bid prices are to be quoted FOB Destination and inclusive of any and all applicable charges.

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These standard terms and conditions shall apply to all LSU solicitations, unless otherwise specifically amended and provided for in the special terms and conditions, specifications, or other solicitation documents. In the event of conflict between the General Instructions to Suppliers or Standard Terms & Conditions and the Special Terms & Conditions, the Special Terms & Conditions shall govern.

Bids submitted are subject to provisions of the laws of the State of Louisiana, including but not limited to: the University Procurement Code (LAC 34:XIII. Chapters 3-25) and the terms, conditions, and specifications stated in this solicitation.

**1. Supplier Enrollment**

Suppliers providing a bid/quote in response to a LSU solicitation must be setup in the University's new procurement system (Workday) for bid tabbing and award of a purchase order. Suppliers should complete the online supplier registration form prior to submitting a bid response and/or the bid due date and time to ensure bid tabbing can be done timely after the bid deadline. This website is used in place of a paper form and must be accompanied with an IRS Request for Taxpayer Identification Number and Certification form (W-9 or W-8 if foreign) to collect the required business and tax information that support the University's reporting and compliance requirements. To inquire if you or your company is setup or for questions regarding setup, email [suppliers@lsu.edu](mailto:suppliers@lsu.edu). The supplier enrollment form can be located at: [http://www.lsu.edu/administration/ofa/procurement/supplier\\_registration.php](http://www.lsu.edu/administration/ofa/procurement/supplier_registration.php)

**2. Bid Delivery and Receipt**

Bids must be received and time-stamped at the "Return Bid To" email address no later than the due date and time specified herein. The University shall not be responsible for any delays caused by the supplier's chosen means of bid delivery. Supplier is solely responsible for the timely delivery of its bid, and failure to meet the bid due date and time shall result in rejection of the bid. Late bids cannot be accepted per LAC 34:XIII.515.B.

**3. Bid Forms**

Bids are to be submitted on the LSU solicitation forms provided, and must be signed by an authorized agent of the supplier in accordance with LAC 34:XIII.517. Bids submitted on other forms or in other price formats may be considered informal and may be rejected in part or in its entirety. Bids submitted in pencil and/or bids containing no original signature indicating the supplier's intent to be bound will not be accepted. Bid submissions should not be spiral bound.

**4. Interpretation of Solicitation/Supplier Inquiries**

If supplier is in doubt as to the meaning of any part or requirement of this solicitation, supplier may submit a written request for interpretation to the Buyer-of-Record at the address and/or fax number shown above. Written inquiries must be received in the Procurement Office no later than 4:30 pm CST four (4) business days prior to the opening of bids, and shall be clearly crossreferenced to the relevant solicitation/specification in question.

No decisions or actions shall be executed by any supplier as a result of oral discussions with any LSU employee or consultant. Any interpretation of the documents will be made by formal addendum only, issued by the Procurement Office, and mailed or delivered to all suppliers known to have received the solicitation. LSU shall not be responsible for any other interpretations or assumptions made by supplier.

**5. Bid Addenda**

Bid Addendum is to be signed and returned with your bid. If you have already submitted your bid, and this Addendum creates a need to revise/clarify your original response in any way, you are required to submit such in writing. To be considered, your addendum response must be submitted to and received by LSU Procurement at the "Return Bid To" address stated above. Submittals for price alterations and addenda to bids must be clearly marked with the solicitation number and the bid due date/time and returned via fax, email, courier service, hand delivery, or USPS mail. Bid revisions received after bid opening cannot be considered, whereupon the supplier must either honor or withdraw its original bid.

**6. Bid Opening**

Suppliers may attend the public bid opening of sealed bids. No information or opinions concerning the ultimate contract award will be given at bid opening or during the evaluation process. Written bid tabulations will not be furnished.

**7. Special Accommodations**

Any "qualified individual with a disability" as defined by the Americans with Disabilities Act, who has submitted a bid and desires to attend the public bid opening, must notify the Procurement Office in writing not later than seven days prior to the bid opening date of their need for special accommodations. If the request cannot be reasonably provided, the individual will be informed prior to the bid opening.

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**8. Standards of Quality**

Any product or service bid shall conform to all applicable federal, state and local laws and regulations, and the specifications contained in the solicitation. Any manufacturer's name, trade name, brand name, or catalog number used in the specification is for the purpose of describing the standard of quality, performance, and characteristics desired; and is not intended to limit or restrict competition. Supplier must specify the brand and model number of the product offered in his bid. Bids not specifying brand and model number shall be considered as offering the exact product specified in the solicitation.

**9. New Products/Warranty/Patents**

All products bid for purchase must be new, never previously used, of the manufacturer's current model and/or packaging, and of best quality as measured by acceptable trade standards. No remanufactured, demonstrator, used or irregular products will be considered for purchase unless otherwise specified.

The manufacturer's standard published warranty and provisions shall apply, unless more stringent warranties are otherwise required by LSU and specified in the solicitation. In such cases, the supplier and/or manufacturer shall honor the specified warranty requirements, and bid prices shall include any premium costs of such coverage.

Supplier guarantees that the products proposed and furnished will not infringe upon any valid patent or trademark; and shall, at its own expense, defend any and all actions or suits charging such infringement, and shall save LSU harmless.

**10. Descriptive Information**

Suppliers proposing an equivalent brand or model are to submit with the bid descriptive information (such as literature, technical data, illustrations, etc) sufficient for LSU to evaluate quality, suitability, and compliance with the specifications. Failure to submit descriptive information may cause bid to be rejected. Any changes made by supplier to a manufacturer's published specifications shall be verifiable by the manufacturer. If items bid do not fully comply with specifications, supplier must state in what respect items deviate. Supplier's failure to note exceptions in its bid will not relieve the supplier from supplying the actual products requested.

**11. Bids/Prices/F.O.B. Point**

- The bid price for each item is to be quoted on a "net" basis and F.O.B. LSU Destination, i.e. title passing upon receipt and inclusive of all delivery charges, any item discounts, etc.
- Bids other than F.O.B. LSU Destination may be rejected.
- Bids indicating estimated freight charges may be rejected.
- Bids requiring deposits, payment in advance, or C.O.D. terms may be rejected.
- Suppliers who do not quote "net" item prices and who separately quote an overall "lump sum" freight cost or discount for all items shall be considered as submitting an "all-or-none" bid for evaluation and award purposes; and risk rejection if award is made on an item or grouped basis.
- Prices shall be firm for acceptance for a minimum of 30 days, unless otherwise specified. Bids conditioned with shorter acceptance periods may be rejected.
- Prices are to be quoted in the unit/package specified (e.g. each, 12/box, etc), or may be rejected.
- In the event of extension errors, the unit price bid shall prevail.

**12. Taxes**

Supplier is responsible for including all applicable taxes in the bid price. LSU is exempt from all Louisiana state and local sales and use taxes. By accepting an award, resident and non-resident firms acknowledge their responsibility for the payment of all taxes duly assessed by the State of Louisiana and its political subdivisions for which they are liable, including but not limited to: franchise taxes, privilege taxes, sales taxes, use taxes, ad valorem taxes, etc.

**13. Terms and Conditions**

This solicitation contains all terms and conditions with respect to the purchase of the goods and/or services specified herein. Submittal of any contrary terms and conditions may cause your bid to be rejected. By signing and submitting a bid, supplier agrees that contrary terms and conditions which may be included in its bid are nullified.

**14. Supplier Forms/LSU Signature Authority**

The terms and conditions of the LSU solicitation and purchase order/contract shall solely govern the purchase agreement, and shall not be amended by any supplier contract, form, etc.

The University's chief procurement officer, or authorized designee, is delegated sole authority to execute/sign any supplier contracts, forms, etc, on behalf of LSU. Departments are expressly prohibited from signing any supplier forms. Any such supplier contracts/forms bearing unauthorized signatures shall be null and void, shall have no legal force, and shall not be recognized by LSU in any dispute arising therefrom. Suppliers who present any such forms to department users for signature without regard to this strict LSU policy may face contract cancellation, suspension, and/or debarment.

**15. Awards**

Award will be made to the lowest responsible and responsive supplier. LSU reserves the right: (1) to award items separately, grouped, or on an all-or-none basis, as deemed in its best interest; (2) to reject any or all bids and/or items; and (3) to waive any informalities.

All solicitation specifications, terms and conditions shall be made part of any subsequent award as if fully reproduced and included therein, unless specifically amended in the formal contract.

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**16. Acceptance of Bid**

Only the issuance of an official LSU purchase order/contract, a Notification of Award letter, or a Notification of Intent to Award letter shall constitute the University's acceptance of a bid. LSU shall not be responsible in any way to a supplier for goods delivered or services rendered without an official purchase order/contract or award letter. Bid tabulations may be requested after acceptance of bid.

**17. Applicable Law**

All contracts shall be construed in accordance with and governed by the laws of the State of Louisiana.

**18. Awarded Products/Unauthorized Substitutions**

Only those awarded brands and numbers stated in the LSU contract are approved for delivery, acceptance, and payment purposes. Any substitutions require prior approval of the Procurement Office. Unauthorized product substitutions are subject to rejection at time of delivery, post-return at supplier's expense, and non-payment.

**19. Testing/Rejected Goods**

Supplier warrants that the products furnished will be in full conformity with the specification, drawing or sample, and agrees that this warranty shall survive delivery, acceptance, and use. Any defect in any product may cause its rejection. LSU reserves the right to test products for conformance to specifications both prior to and after any award. Supplier shall bear the cost of testing if product is found to be non-compliant. All rejected goods will be held at supplier's risk and expense, and subject to supplier's prompt disposition. Unless otherwise arranged, rejected goods will be returned to the supplier freight collect.

**20. Delivery**

Supplier is responsible for making timely delivery in accordance with its quoted delivery terms. Supplier shall promptly notify the LSU Department and/or Procurement Office of any unforeseen delays beyond its control. In such cases, LSU reserves the right to cancel the order and to make alternative arrangements to meet its needs.

**21. Default of Supplier**

Failure to deliver within the time specified in the bid/award will constitute a default and may be cause for contract cancellation. Where the University has determined the supplier to be in default, LSU reserves the right to purchase any or all goods or services covered by the contract on the open market and to surcharge the supplier with costs in excess of the contract price. Until such assessed surcharges have been paid, no subsequent bids from the defaulting supplier will be considered for award.

**22. Supplier Invoices**

Invoices shall reference the LSU purchase order number, supplier's packing list/delivery ticket number, shipping/delivery date, etc. Invoices are to be itemized and billed in accordance with the order, and submitted on the supplier's own invoice form. Invoices submitted by the supplier's third party supplier are not acceptable.

**23. Delinquent Payment Penalties**

Delinquent payment penalties are mandated and governed by Louisiana R.S. 39:1695. Supplier penalties to the contrary shall be null and void, shall have no legal force, and shall not be recognized by LSU in any dispute arising therefrom.

**24. Assignment of Contract/Contract Proceeds**

Supplier shall not assign, sublet or transfer its contractual responsibilities, or payment proceeds thereof, to another party without the prior written consent and approval of the Procurement Office. Unauthorized assignments of contract or assignments of contract proceeds shall be null and void, shall have no legal force, and shall not be recognized by LSU in any dispute arising therefrom.

**25. Right to Piggyback**

Where this solicitation may name one department as the primary contract user, LSU reserves the right to authorize additional departments/campuses to use the contract as their needs arise; and Vendor shall honor all such purchase orders.

**26. Contract Cancellation**

LSU has the right to cancel any contract for cause, in accordance with procurement rules and regulations, including but not limited to: (1) failure to deliver within the time specified in the contract; (2) failure of the product or service to meet specifications, conform to sample quality or to be delivered in good condition; (3) misrepresentation by the supplier; (4) fraud, collusion, conspiracy or other unlawful means of obtaining any contract with the University; (5) conflict of contract provisions with constitutional or statutory provisions of state or federal law; (6) any other breach of contract. LSU has the right to cancel any contract for convenience at any time by giving thirty (30) days written notice to the supplier. In such cases, the supplier shall be entitled to payment for compliant deliverables in progress.

**27. Prohibited Contractual Arrangements**

Per Louisiana R.S. 42:1113.A, no public servant, or member of such a public servant's immediate family, or legal entity in which he has a controlling interest shall bid on or enter into any contract, subcontract, or other transaction that is under the supervision or jurisdiction of the agency of such public servant. See statute for complete law, exclusions, and provisions.

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**28. Equal Employment Opportunity Compliance**

By submitting and signing this bid, supplier agrees to abide by the requirements of the following as applicable: Title VI and VII of the Civil Rights Act of 1964, as amended by the Equal Opportunity Act of 1972; federal Executive Order 11246; federal Rehabilitation Act of 1973, as amended; the Vietnam Era Veteran's Readjustment Assistance Act of 1974; Title IX of the Education Amendments of 1972; the Age Act of 1975; the Americans with Disabilities Act of 1990. Supplier agrees not to discriminate in its employment practices, and will render services under any contract entered into as a result of this solicitation without regard to race, color, religion, sex, age, national origin, veteran status, political affiliation, handicap, disability, or other non-merit factor. Any act of discrimination committed by supplier, or failure to comply with these statutory obligations when applicable, shall be grounds for termination of any contract entered into as a result of this solicitation.

**29. Mutual Indemnification**

Each party hereto agrees to indemnify, defend, and hold the other, its officers, directors, agents and employees harmless from and against any and all losses, liabilities, and claims, including reasonable attorney's fees arising out of or resulting from the willful act, fault, omission, or negligence of the indemnifying party or of its employees, contractors, or agents in performing its obligations under this agreement, provided however, that neither party hereto shall be liable to the other for any consequential damages arising out of its willful act, fault, omission, or negligence.

**30. Certification of No Suspension or Debarment**

By signing and submitting this bid, supplier certifies that its company, any subcontractors, or principals thereof, are not suspended or debarred under federal or state laws or regulations. A list of parties who have been suspended or debarred by federal agencies is maintained by the General Services Administration and can be viewed on the internet at [www.sam.gov](http://www.sam.gov).

**31. Right to Audit**

The University shall be entitled to audit the books and records of a supplier or any subcontractor under any negotiated contract or subcontract to the extent that such books and records relate to the performance of such contract or subcontract. Such books and records shall be maintained by the supplier for a period of five (5) years from the date of final payment under the prime contract and by the subcontractor for a period of five (5) years from the date of final payment under the subcontract, pursuant to LAC 34:XIII.1603.

**32. Data Privacy**

By signing and submitting this bid, I hereby authorize that all information provided in this solicitation, including any and all personal or company data may be shared with LSU departments, suppliers and other governmental agencies to facilitate procurement transactions. This data will be retained according to LSU's retention schedule. To learn more about privacy at LSU, please see the [LSU Privacy Statement](#).

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ITEM NO.	ITEM DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENDED AMOUNT
<p><b>UNLESS SPECIFIED ELSEWHERE, SHIP ALL ITEMS TO:</b>  <b>LSU Burden Center</b>  <b>4560 Essen Lane</b>  <b>Baton Rouge, LA 70809</b></p>					
1	<p>All or None</p> <p><b>Lights and accessories for Crape Myrtle Allee at Louisiana Lights per the attached specifications.</b></p>	1	Lot	\$ _____	\$ _____
2	<p>All or None</p> <p><b>Lights and accessories for Holiday Lawn Live Oak Supernova Light Cluster at Louisiana Lights per the attached specifications.</b></p>	1	Lot	\$ _____	\$ _____
3	<p>All or None</p> <p><b>Lights and accessories for Holiday Hallway Live Oak at Louisiana Lights per the attached specifications.</b></p>	1	Lot	\$ _____	\$ _____
4	<p>All or None</p> <p><b>Lights and accessories for Wildlife Ramble (Meadow Grass) at Louisiana Lights per the attached specifications.</b></p>	1	Lot	\$ _____	\$ _____

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ITEM NO.	ITEM DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENDED AMOUNT
5	All or None  <b>Lights and accessories for Super NovaLight Cluster in Moravian Stars Live Oak at Louisiana Lights per the attached specifications.</b>	1	Lot	\$ _____	\$ _____
6	All or None  <b>Lights and accessories for Candy Cane Lane at Louisiana Lights per the attached specifications.</b>	1	Lot	\$ _____	\$ _____
7	All or None  <b>Lights and accessories for Parterre Tree at Louisiana Lights per the attached specifications.</b>	1	Lot	\$ _____	\$ _____
8	All or None  <b>Lights and accessories for Parterre String Lights at Louisiana Lights per the attached specifications.</b>	1	Lot	\$ _____	\$ _____

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ITEM NO.	ITEM DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENDED AMOUNT
9	All or None  <b>Lights and accessories for Pole Tree for Roundabout at Louisiana Lights per the attached specifications.</b>	1	Lot	\$ _____	\$ _____
10	All or None  <b>Extensions Cords - 25' (qty 50), 15' (qty 25) per attached specifications.</b>	75	Lot	\$ _____	\$ _____

**Purpose:**

**To purchase Nine new light applications and accessories to add to and enhance Louisiana Lights holiday lighting display at Burden Museum & Gardens.**

**Delivery and Installation:**

**To be delivered to:**

**LSU AgCenter Botanic Gardens  
4560 Essen Lane  
Baton Rouge LA 70809**

**All items must be delivered by September 1, 2026. Items 7 and 8 will require a technician on site at time of installation. Installation to begin October 1st, 2026 and must be completed by November 15, 2026. See line items for more information.**

**All products must meet the following Product Certification Standards:**

- **ETLus:** For ETL certification, Intertek tests products to a broad range of national standards required for regulatory compliance and market access across North America.
- **CSAus:** Intertek evaluates products to CSA standards or harmonized U.S./Canadian requirements to support certification and market access in Canada.
- **cCSAus:** a certification mark indicating that a product has been tested and meets both Canadian (c) and United States (us) safety and performance standards.
- **cULus:** Intertek tests and certifies products to UL and ULC standards, including harmonized standards, to meet U.S. and Canadian safety requirements under the ETL Listed Mark.
- **IP44:** certification that electrical products are protected against solid objects larger than 1mm (like wires) and water splashes from any direction.
- **IP65:** rated devices are dust-tight and protect against water jets low-pressure water projection from any direction.
- **IP66:** device is completely sealed against dust (IP6X) and protected against powerful water jets (IPX6), such as high-pressure hose-downs with high-level protection for rugged outdoor or industrial environments.

- **IP66+:** dust-tight and protected against water jets (low-pressure water projection from any direction).
- **AWG:** American Wire Gauge
- **RGB:** Red, Green, Blue color mix lighting

## **Warranties**

All supplies/products must have a guaranteed warranty against manufacturers defects for at least one season from shipping date of product. A season is defined as an installation of product for no more than 90 days as per UL code 588.

## **All products must be ‘Indoor/Outdoor Use’**

**All costs for components/requirements listed within each line item must be included as a lump sum price for each line item.**

### **1. Specs for Grape Myrtle Allee String Lights:**

- **String Lights**
  - Quantity: (840) strands of string lights total
  - Coupling Connections included
  - Must be 5mm LED Light Bulb Size
  - Bulb Count per item: 50 bulbs per strand
  - Must be rated at 1.8 amps
  - Gem Colors (Champagne, Purple, Teal, Aqua)
  - Must be plastic coated green wire
  - Each strand must be 25’ Length in total
  - Wire conductor material must be copper
  - Must be CXTW:(Cord Extruded Thermoplastic Wire) wire type
  - Must be 22AWG gauge wire
  - Must be 120V DC Voltage
  - Light Lens Cap Finish: Must have smooth clear polycarbonate plastic
  - The LED must be advanced commercial grade
  - Must have the ability to be dimmable
  - Input Lead Length (in): Must be a 3” input lead from the coupling connection

- Output Tail Length (in): Must be a 3” output lead from the last bulb to the coupling connection
- LED Function Effect must be a steady continuous light stream remaining a constant bright without any blinking, flashing, or pulsing of the lights.
- End to End Connection
- LED bulb must be constructed of a waterproof epoxy-filled
- IP Rating: Must be IP66+ rated
- Must be rated for indoor/outdoor use
- Product Wattage (watts): Must be 4.8watts
- Product Current (amps): Must be 0.04amps
- Product Certification: Must be ETLus:(Electrical Testing Laboratories, U.S. standards)
- Product Standard: Must be UL 588:(Underwriters Laboratories 588 standards: Wires must be thick enough to handle the electrical load without overheating connections must be reinforced so that if the light string is pulled, the wires do not easily snap or detach from the plugs, the plug or power supply must contain a built-in fuse to cut off power if an electrical short or overload occurs)



- **Splitter**

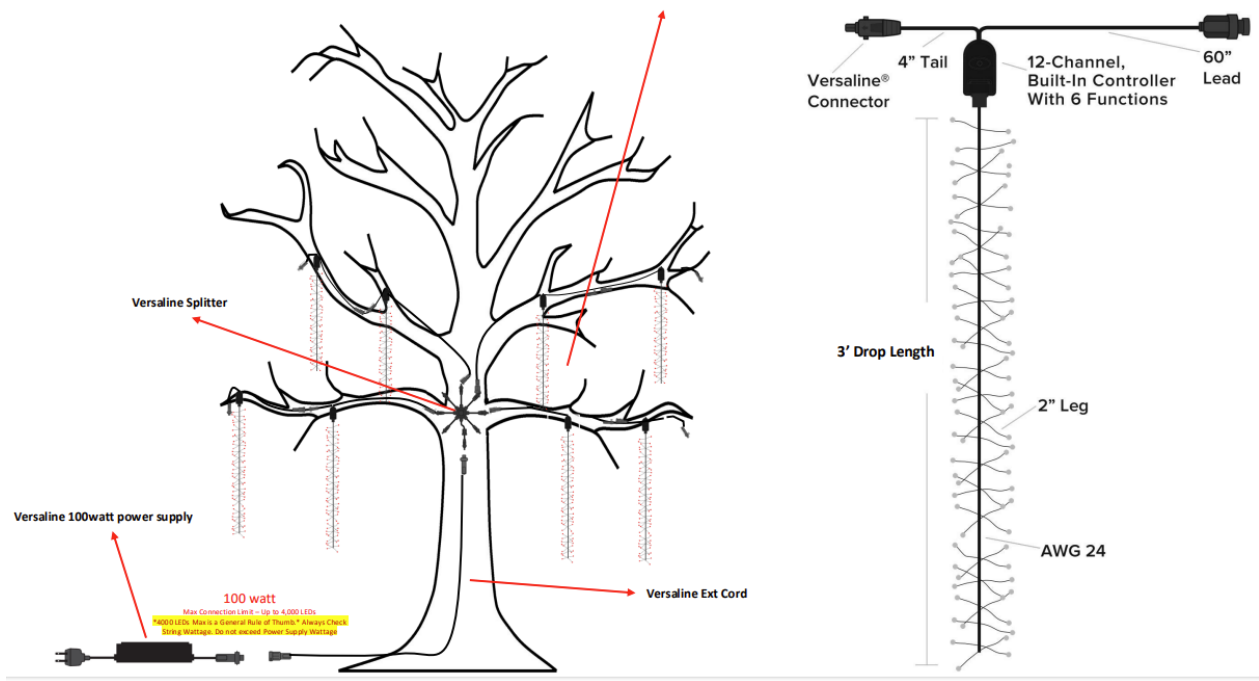
- Quantity: (12) splitters total
- 7-Way Splitter
- Current Rating (amps): Must be 5.0amps max
- 7 Taps / coupling connections on each splitter
- Must be 6” lead from the input coupling connector
- Must be 4” tail from the splitter to the output coupling connector
- Must be green plastic-coated wire
- Must be 120 Volts
- Wire Conductor Material: Must be copper
- Connector Input (Male): Coupling
- Connector Output (Female): Coupling
- Must be 2 x 18 AWG
- Product Standard: Must be UL 588:(Underwriters Laboratories 588 standards: Wires must be thick enough to handle the electrical load without overheating connections must be reinforced so that if the light string is pulled, the wires do not easily snap or detach from the plugs, the plus or power supply must contain a built-in fuse to cut off power if an electrical short or overload occurs)
- Product Certification: Must be CSAus:(Canadian Standards Association, United States)
- IP Rating: Must be IP66 rated
- Must be rated for outdoor use
- **Extension Cord**
  - Quantity: (12) extension cords total
  - Cord Length: Must be 24’ length
  - Current Rating (amps): Must be 5.0amps
  - Must be green or black plastic-coated wire
  - Must have End to End Connection
  - Connectors: Coupling
  - The LED must be advanced commercial grade
  - Must be 2 x 20 AWG
  - Wire Type: Must be XTW:(Braidless, Thermoplastic, Water and Weather resistant)
  - Wire Conductor Material: Must be copper
  - IP Rating: Must be IP66 (device is completely sealed against dust (IP6X) and protected against powerful water jets (IPX6), such as high-pressure hose-downs. It signifies high-level protection for rugged outdoor or industrial environments)

- Voltage: Must be 120V DC
- Product Certification: Must be CSAus:(Canadian Standards Association, United States)
- **Power Adapter Lead with Rectifier**
  - Quantity: (12) power adapter lead with rectifier total
  - Current Rating (amps): Must be 3.6
  - Input Voltage: Must be 120V AC 60Hz
  - Output Voltage: Must be 120V DC
  - Product Depth (in): Must be 2.24”
  - Product Height (in): Must be 1.0”
  - Wire Conductor Material: Must be copper
  - Wire Type: Must be XTW:(Braidless, Thermoplastic, Water and Weather resistant)
  - Connector Input (Male): Must have standard Edison Plug, Polarized, 1-15P
  - Connector Output (Female): Coupling
  - Input Lead Length: Must be 24” input lead from the standard plug
  - The LED must be advanced commercial grade
  - Must have a max 9000 lights per power adapter lead with rectifier
  - Wire Guage: Must be 2 x2 0 AWG
  - Product Watts: Must be 432 watts
  - IP Rating: Must be IP66 rated
  - Must be green plastic-coated wire
  - Power Adapter Lead Length: Must be 6’ length
  - Product Certification: Must be ETLus (Electrical Testing Laboratories, United States)

## **2. Specs for Holiday Lawn Live Oak Supernova Light Cluster**

- **LED 3’ Light Cluster**
  - Quantity: (225) LED light cluster strands total
  - Bulb Count: Must have 96 lights per light cluster
  - Must be a 3mm wide angle bulb lens in shrink tube husks on 2” wire legs
  - LED Color Temperature (Kelvin): Must be Pure White: 4500K
  - Connect Limit: Must be 41
  - Must be 2.88 watts
  - Must be 0.12 amps
  - Must be black plastic-coated wire
  - Must be 26 AWG

- The LED must be advanced commercial grade
- Each must have a 3' lighted length total
- Must be connectable by Twist-Lock Coupling Connectors for watertight seal
- Connector Input (male): Must have a VE 2P Coupling
- Connector Output (female): Must have aVE 5R Coupling
- Must have a 5.0' lead from the input coupling connector
- Must have a 4" tail from the light cluster to the output coupling connector
- Must have Shrink Tube Construction
- 7-Function in-line Controller: Must have a Steady-On, Shimmer, Starfield, Chaser, Lightning, Stacker, and Fireworks
- Voltage: Must be 24VDC
- Product Certification: Must be cCSAus (Canada, Canadian Standards Association, United States)
- UL Listed: Must be UL588: (Underwriters Laboratories 588 standards: Wires must be thick enough to handle the electrical load without overheating connections must be reinforced so that if the light string is pulled, the wires do not easily snap or detach from the plugs, the plus or power supply must contain a built-in fuse to cut off power if an electrical short or overload occurs)
- IP Rating: Must be IP44 rated







- **Brick Power Supply**

- Quantity: (5) brick power supplies total
- Must be 24Volts DC
- Must be 100 Watt
- Power Supply Unit Class: Must be Class 2
- Power Supply Unit Efficiency: Must be 0.72
- Must be black plastic-coated wire
- Must be a 6.0' lead from standard plug to power supply
- Wire Conductor Material: Must be copper
- Wire Insulation Material: Must be PVC (Polyvinyl Chloride)

- Connector Input (Male): Must have a standard Edison plug
- Connector Output (Female): Must have waterproof Couplings
- Power Supply Unit must be sealed, epoxy-filled ensuring weatherproofing the power supply box is epoxy-filled to ensure water tightness
- Must have a 6” tail from power supply to output coupling connector
- Product Certification: Must be cULus :Canadian, Underwriters Laboratories, Unites States
- Product Standard: Must be UL 1310:Underwriters Laboratories safety standard for Class 2 Power Units
- IP Rating: Must be IP65+ rated
- Must have a maximum 4,000 Lights
- Power supply must be equipped with Overload Protection
- **Extension Cord / 1 Channel**
  - Quantity: (8) 1-Channel extension cords total
  - Each extension cord must be 25’ in length
  - Connector Input (Male): Must have VE 2P Coupling
  - Connector Output (Female): Must have VE 5R Coupling
  - Wire Guage: Must be 2 x 16 AWG
  - Wire Type: Must be SPT-2W: Service, Parallel, Thermoplastic – Grade 2, Weather Resistant
  - Wire Insulation Material: Must be PVC (Polyvinyl Chloride)
  - Wire Conductor Material: Must be copper
  - IP Rating: Must be IP65 rated
  - Voltage: Must be 24V DC
  - Must be black plastic-coated wire
  - Product Certification: Must be cCSAus:Canada, Canadian Standards Association, United States
- **7-Way Splitter / 3-Channel**
  - Quantity: (5) 3-Channel 7-way splitters total
  - Each splitter must have 7 taps/coupling connections
  - Must be a 6” lead from input coupling connector
  - Must be a 4” tail from the splitter to output coupling connector
  - Must be 24Volts DC
  - Connector Input (Male): Must have waterproof coupling
  - Connector Output (Female): Must have waterproof coupling
  - Product Standard: Must be UL 588: (Underwriters Laboratories 588 standards: Wires must be thick enough to handle the electrical load without overheating. Connections must be reinforced so that if the light string is

pulled, the wires do not easily snap or detach from the plugs, the plus or power supply must contain a built-in fuse to cut off power if an electrical short or overload occurs)

- Wire Gauge: Must be 20 AWG
- Wire Type: Must be XTW:(Cross-linked synthetic polymer, or similar insulation, that provides flexibility and durability, thermoplastic, weather resistant)
- IP Rating: Must be IP65 rated  
Must be black plastic-coated wire
- Product Certification: Must be cCSAus:Canada, Canadian Standards Association, United States

### **3. Specs for String Lights for Holiday Hallway Live Oak**

- **Power Supply**
  - Quantity: (6) Power Supplies total
  - Must be equipped with coupling connector
  - Must have a power/control module with 100 or more lighting effects
  - Must be 3.6amps
  - Must be black plastic-coated wire
  - Must have a 24” lead from the standard, grounded plug to power supply
  - Must have a 24” tail from the power supply to a coupling connector
  - Must have a 6” data output from the power supply to a coupling connector
- **String Lights**
  - Quantity: (213) strands of string lights total
  - Must have 7mm LED light bulbs
  - Bulb Count: Must have 35 lights max per strand of string lights
  - Must be a 3” Lead from input coupling connector to first bulb
  - Must have 6” bulb spacing
  - Must have a 3” tail from last bulb to output coupling connector
  - Must be green plastic-coated wire
  - Strand Length: Must be 17.5’ length total
  - Must have waterproof Coupling Connections
  - Must have end-to-end connection
  - LED light must have Epoxy-Filled Construction
  - Must be 120Volts DC
  - Product Certification: Must be ETLus: (Electrical Testing Laboratories, United States)

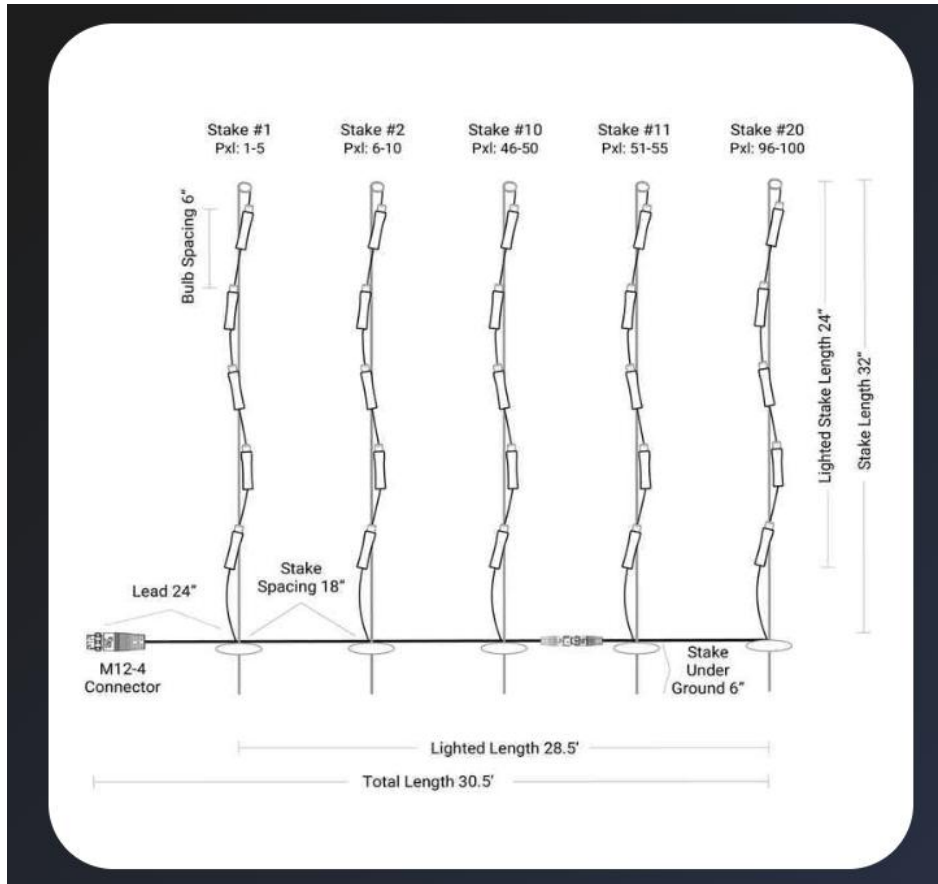


- **Controller for String Lights**
  - Quantity: (1) Controller
  - Must be a controller with 138 different scenes
  - Must be equipped with 4 control buttons
  - Must have a 36" output with waterproof male coupling connector from connector to controller
  - Must be black plastic-coated cable
  - Wire Gauge: Must be 22 AWG
  - Controller must be Epoxy-Filled

#### **4. Stake Light Specs for Wildlife Ramble**

- **Stake Lights**
  - Quantity: (24) sets of stake lights total
  - Must be equipped with 5mm LED light bulbs
  - Bulb Count per Item: Must be 100
  - Bulb Count per Stake: Must be 5
  - Bulb Spacing: must be 6"

- Must have a 32” stake length
- Must have a lighted stake length of 24”
- Must have a 6” attachable underground stake for support
- Color Palette: Must be RGB Lights
- Must be wired for 18” stake spacing
- Must be clear plastic coated wire
- LED Function Effect: must be fully addressable/programmable
- The LED must be advanced commercial grade which is industrial-standard lighting system
- Must have a 24” input lead length from coupling connector to first stake
- Connector Input (Male): must have a M12-4 coupling connector
- Connector Output (Female): not connectable
- Wire Guage: Must be 24 AWG
- Construction: Stake lights must be made by Shrink Tube Construction
- Must be 10.08 watts
- Must be 0.42 amps
- Voltage: Must be 24V DC
- Must have 20 stakes per set
- IP Rating: must be IP44 rated
- Must be rated for outdoor use



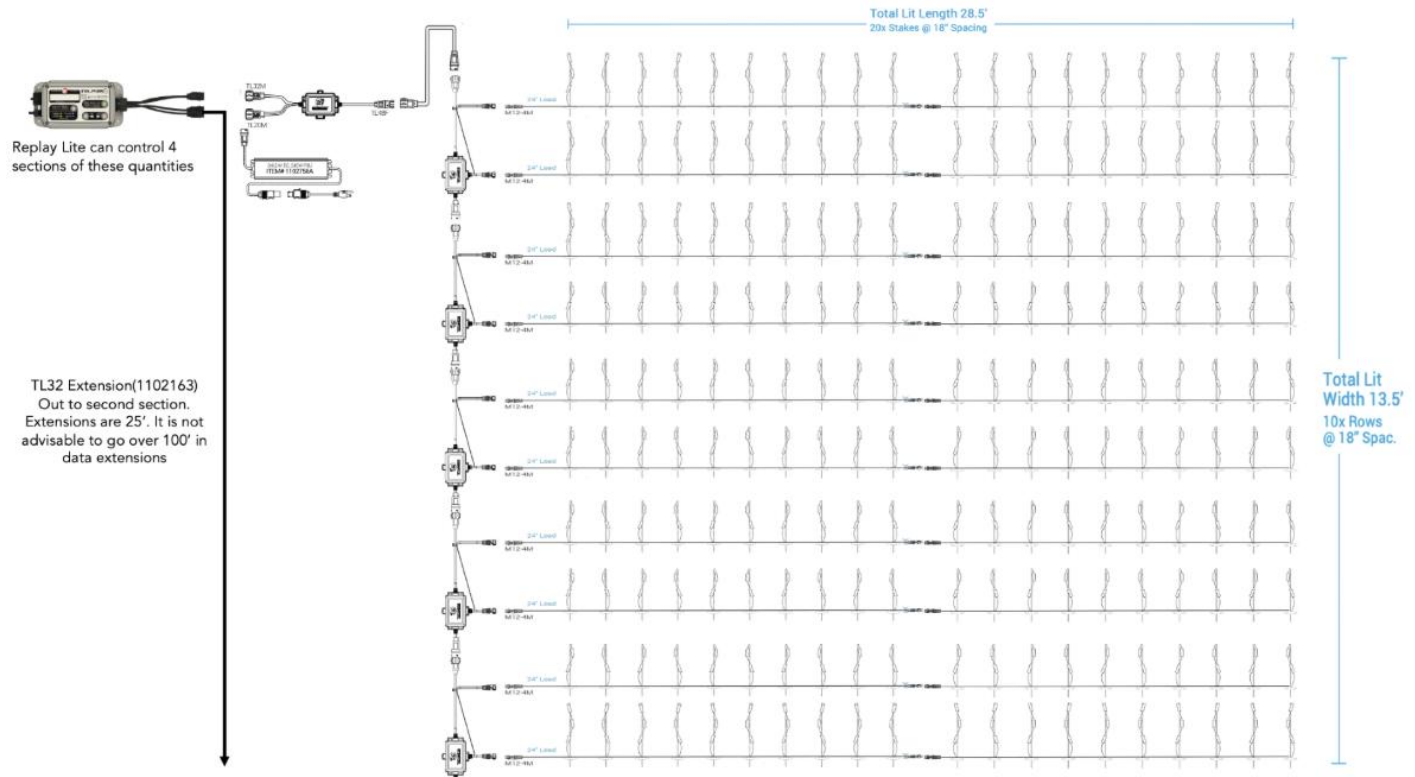
- **Single Tap Cords**

- Quantity: (10) single tap cords
- Single Tap- 2x 100' length drops
- Tap Connector: Must have waterproof Coupling Connector
- Wire Conductor Material: Must be copper
- Connector Input (Male): Must have a waterproof Coupling Connector
- Connector Output (Female): Must have a waterproof Coupling Connector
- IP Rating: Must be IP65 rated
- Must have a 24" lead from coupling connector
- Must have a 12" tail to coupling connector
- Must have 18" drop spacing
- Must have 6" drop lengths
- Must be black plastic-coated wire

- **Power/Control Lead**

- Quantity: (2) power/control leads

- Must have an 18" input lead using waterproof power input wire coupling connector
- Must have an 18" input lead waterproof data input coupling connector
- Must have an 8" output lead waterproof output to tap coupling connector
- Must be black plastic-coated cable
- Controller box must be epoxy-filled (this controller box must be epoxy-filled for water tightness)



- **Power Supply**

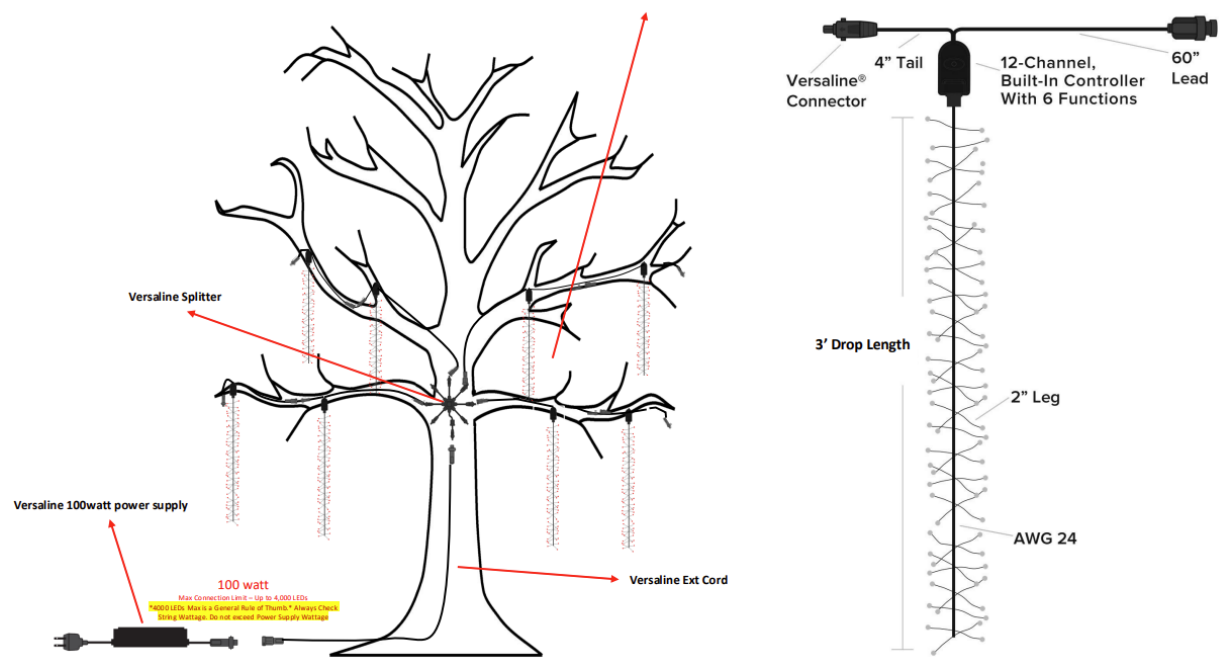
- Quantity: (2) power supplies
- Must be low voltage
- Input Voltage: Must be 120 Volts AC
- Output Voltage: Must be 24 Volts DC
- Must be a 240Watt power supply
- Product Depth: Must be 9.61"
- Power Supply Length (mm): Must be 244.2 mm
- Wire Conductor Material: must be copper
- Wire Insulation Material: must be EPDM/CPE Ethylene Propylene Diene Monomer/Chlorinated Polyethylene
- Wire Type: must be SJOW (Service, Junior, Oil-Resistant, Weather Resistant)

- Wire Gauge: Must be 17 AWG x 2C
- Must be black plastic-coated wire
- Must have a 12” input lead from standard plug to power supply
- Connector Input (Male): Must have a standard plug, grounded, 5-15P
- Connector Output (Female): Must have a TL20F coupling connector
- Construction: Power Supply must be Sealed, Epoxy-Filled (the power supply must be epoxy-filled for waterproofing)
- Must have a 12” output tail from power supply to coupling connector
- Product Certification: must be cULus:Canadian, Underwriters Laboratories, United States
- Standard plug adapter must be included
- Product Standard: Must be UL 8750 (UL8750 is the safety standard for LED equipment used in lighting products. It ensures component-level safety, hazard prevention, and environmental ratings)
- IP Rating: Must be IP65+ rated
- **Data Extension Cable**
  - Quantity: (8) extension cables total
  - Each cable must be a 25’ length data extension cable
  - Must be 5Volts DC
  - Must be green plastic-coated wire
  - Must have a waterproof Coupling Connector
  - Must have a waterproof Data Coupling Connector
- **Controller**
  - Quantity: (1) controller
  - Must be a Replay-Lite controller
  - Must be outdoor-rated
  - Must have a single-enclosure
  - Must be a looping playback unit with created content via on-device push buttons
  - Must be a IP65 rated
  - Must have a 4 x waterproof data coupling output connection
  - Must have a 1 x waterproof -IP data coupling output connection
  - Voltage: Must be 24Volts DC power input (PSU included)

## 5. Specs for Super Nova Light Cluster in Moravian Stars Live Oak

- **LED 2’ Light Cluster**
  - Quantity: (12) LED 2’ Light Clusters

- Bulb Count per Item: Must be 48 lights per cluster
- Bulb Spacing (in): Must be 0.5"
- Not Dimmable
- Must have a 3mm wide angle lenses in shrink tube husks on 2" wire legs
- 7-Function: Must have Steady-On, Shimmer, Starfield, Chaser, Lightning, Stacker, Fireworks
- Must be warm white
- LED Color Temperature (Kelvin): WW: 2700-3000K
- Must be black plastic-coated wire
- Must have a 2' lighted length
- Must be connectable by twist-lock coupling connectors
- Connector Input (Male): Must be a waterproof coupling
- Connector Output (Female): Must be a waterproof coupling
- Must have a 5.0' lead from input coupler connection to light cluster
- Must have a 4" tail from light cluster to output coupler connection
- Light cluster made by shrink tube construction (The light cluster is made through shrink tube construction making them waterproof)
- Voltage: Must be 24VDC
- Must be 0.12 amps
- Must be 2.88 watts
- Wire Guage: Must be 26 AWG
- Product Certification: Must be cCSAus:Canada, Canadian Standards Association, United States
- No power supply needed
- Product Standard: Must be UL 588:(Underwriters Laboratories 588 standards: Wires must be thick enough to handle the electrical load without overheating. Connections must be reinforced so that if the light string is pulled, the wires do not easily snap or detach from the plugs, the plus or power supply must contain a built-in fuse to cut off power if an electrical short or overload occurs)
- IP Rating: Must be IP44 rated



- **LED 3' Light Cluster**

- Quantity: (24) LED 3' light clusters
- Bulb Count per Item: Must be 96 lights per cluster

- Bulb Spacing (in): Must be 0.4”
- Not Dimmable
- Must be warm white light
- LED Color Temperature (kelvin): WW: 2700-3000K
- LED Grade: Pro Grade
- Connect Limit: Must be 41
- Must be 2.88 watts
- Must be 0.12 amps
- Must be black plastic-coated wire
- Must be a 3’ lighted length
- Must Be connectable waterproof Twist-Lock Coupling Connectors
- Must be connector Input (Male): Must be a waterproof coupling
- Connector Output (Female): Must be a waterproof coupling
- Must have a 5.0’ lead from input coupler connection to light cluster
- Must have a 4” tail from light cluster to output coupler connection
- Shrink Tube Construction
- Must be 24 Volts DC
- Wire Gauge: Must be 26 AWG`
- Product Standard: Must be UL 588:(Underwriters Laboratories 588 standards: Wires must be thick enough to handle the electrical load without overheating. Connections must be reinforced so that if the light string is pulled, the wires do not easily snap or detach from the plugs, the plus or power supply must contain a built-in fuse to cut off power if an electrical short or overload occurs)
- Product Certification: Must be cCSAus: Canada, Canadian Standards Association, United States
- IP Rating: Must be IP44 rated
- **Brick Power Supply**
  - Quantity: (1) brick power supply
  - Must be 24 Volts DC max
  - Power Supply Unit Class: Must be Class 2
  - Power Supply Unit Efficiency: Must be 0.72
  - Wire Conductor Material: Must be copper
  - Wire Insulation Material: Must be PVC (Polyvinyl Chloride)
  - Connector Input (Male): Must have a standard Edison plug
  - Connector Output (Female): Must have a waterproof coupling connector
  - Construction: Must be sealed and epoxy-filled

- Product Standard: Must be UL 1310:UL 1310 is the Underwriters Laboratories (UL) safety standard for Class 2 Power Units. It certifies that a power supply outputs low voltage and limited power, making it safe to touch and significantly reducing the risks of electric shock and fire
- IP Rating: Must be IP65+ rated
- Must be 100 Watts
- Must be black plastic-coated wire
- Must have a 6.0' Lead from standard plug to power supply
- Must have a 6" Tail from power supply to output coupling connector
- Product Certification: Must be cULus: Canada, Underwriters Laboratories, United States
- Will supply power to a maximum of 4,000 lights
- Must come equipped with overload protection
- **Extension Cable / 3-Channel**
  - Quantity: (7) 3-Channel extension cables
  - Cable Length: Must be 25' black plastic coated wire
  - Wire Conductor: Must be copper
  - Wire Insulation: Must be PVC (Polyvinyl Chloride)
  - Connector Input (Male): Must have waterproof coupling connectors
  - Connector Output (Female): Must waterproof coupling connectors
  - Product Standard: UL 588:(Underwriters Laboratories 588 standards: Wires must be thick enough to handle the electrical load without overheating. Connections must be reinforced so that if the light string is pulled, the wires do not easily snap or detach from the plugs, the plus or power supply must contain a built-in fuse to cut off power if an electrical short or overload occurs)
  - Wire Guage: Must be 20 AWG x 5C
  - IP Rating: Must be IP65 rated
  - Must be 24 Volts DC
  - Product Certification: cCSAus (Canada, Canadian Standards Association, United States)
- **7-Way Splitter / 3-Channel**
  - Quantity: (1)
  - Each splitter must have 7 Taps (coupling connectors) total
  - Must have a 6" lead from input coupling connector
  - Must have a 4" tail from splitter to output coupling connector
  - Must be 24Volts DC

- Wire Type: XTW:( synthetic polymer or cross-linked insulation, Thermoplastic, Weather and Water Resistance)
- Connector Input (Male): Must have waterproof coupling connectors
- Connector Output (Female): Must have waterproof coupling connectors
- Product Standard: UL 588:(Underwriters Laboratories 588 standards: Wires must be thick enough to handle the electrical load without overheating. Connections must be reinforced so that if the light string is pulled, the wires do not easily snap or detach from the plugs, the plus or power supply must contain a built-in fuse to cut off power if an electrical short or overload occurs)
- Wire Guage: Must be 20 AWG x 5C
- IP Rating: Must have IP65 rating
- Must be black plastic-coated wire
- Product Certification: cCSAus:Canada, Canadian Standards Association, United States

## **6. Specs for Candy Cane Lane Lighting:**

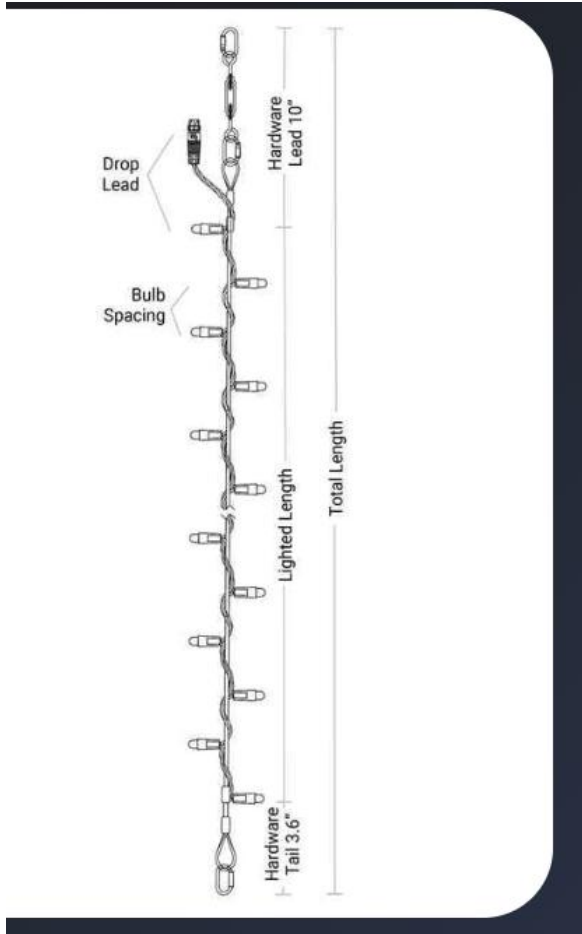
- **Power/Control Lead**

- Quantity: (8) power/control leads
- Must have an 18” lead waterproof Power Input Wire Coupling Connector
- Must have an 18” lead waterproof Data Input Coupling Connector
- Must have an 8” tail waterproof Output to Taps Coupling Connector
- Must be black plastic coated cable
- Controller must be Epoxy-Filled (epoxy-filled for waterproofing)

- **Light Strings**

- Quantity: (72) strands of string lights total
- Must be DOP (Data-Over-Power) RGB (Red, Blue, Green) LED Light Strings
- Must be controllable with various controller systems
- Compatible with Pixel Pines and Plug N Play Collection Light Kits
- Must come equipped with cable supports
- Cable Supports must include: 304 Stainless-Steel Thimbles, Carabiners, and Turnbuckle Hardware
- Must be 100 RGB (Red, Green, Blue) LED Lights per Light String
- Power/Data “T-Taps” (short extension cords that connect power or data cables and splits two ways) for light strings
- String lights are 40’ length total
- Connectors: Must have a 6” M12-4 coupling connector lead
- Must have a 4.8” bulb spacing
- Must be black plastic-coated wire

- Epoxy-Filled Husk Construction
- Wire Conductor Material- Must be copper
- Wire Gauge: Must be 22 AWG
- Connector Output (Female): Not connectable
- Must be 0.42amps
- Must be 10.08 watts
- IP Rating: Must be IP65 rated





- **Single Tap**
  - Quantity: (36) single taps total
  - Single Tap- must be 2 x 100' length drops
  - Tap Connector: Must have waterproof coupling connectors
  - Wire Conductor Material: Must be copper
  - Connector Input (Male): Must have waterproof coupling connectors
  - Connector Output (Female): Must have waterproof coupling connector
  - IP Rating: Must be IP65 rated
  - Must have a 24" lead from input coupling connector
  - Must have a 12" tail to the output coupling connector
  - Must have a 18" drop spacing
- **Loop HQ**
  - Quantity: (1) Central Control System for up to 50k Pixels with created content
  - Must have 4x RJ45-IP-IP connections
  - Must be equipped with Audio Output via 3.5mm Auxiliary Jack
  - Controller must have outdoor housing
  - Must have an External Power Supply Unit

- Must have on-site control and scheduling via HQ wireless dashboard
- **Pixel Controller**
  - Quantity: (2) Pixel Controllers total
  - Must have 8 output waterproof coupling data outputs
  - Must have sACN/ArtNet Input via RJ45-IP Glands
  - IP Rating: Must be IP65+ rated
  - Storage: Must be a poly-corrugate watertight box
  - Must have a 24V max External Power Supply Unit
  - Must have a 1x RJ45-IP network coupling input
  - Must have a panel-mount button and LED indicator
  - Protocol: 8x DOP (data over power) Serial A
- **Pixel Controller**
  - Quantity: (1) Pixel Controller
  - Must have 4 x waterproof coupling data outputs
  - Must have sACN/ArtNet Input via RJ45-IP Glands
  - IP Rating: Must be IP65+ rated
  - Storage: Must be a poly-corrugate watertight box
  - Must have a 24V max External Power Supply Unit
  - Must have 1 x RJ45-IP Network Input
  - Must have a panel-mount button and LED indicator
  - Protocol: 8x DOP (data over power) Serial A
- **Cat6 Cable**
  - Quantity: (3) Cat6 cables total
  - Must be 100' length
  - Must have RJ45-IP connectors with Mating Boots/Shrouds
  - Must be black plastic-coated wire
- **Data Extension Cable**
  - Quantity: (36) Data Extension Cables total
  - Cable Length: Must be 25' data extension cable
  - Voltage: Must be 5V DC
  - Must be green plastic-coated wire
  - Must be equipped with waterproof Data Coupling Connector
- **RGB Extension Cable**
  - Quantity: (60) RGB Extension Cables total
  - 12Volts -24Volts DC
  - Wire Conductor Material: Must be copper
  - Wire Type: Must be SPT-2W Stranded or Service, Parallel, Thermoplastic, 2=Thickness, Weather and Water Resistant

- Connector Input (Male): Must have waterproof coupling connectors
- Connector Output (Female): Must have waterproof coupling connectors
- Wire Gauge: Must be 2 x 16 AWG
- IP Rating: Must be IP65 rated
- Each cable must be 12' in length
- Must be black plastic-coated wire
- Must be a 4-Core cable
- **RGB Extension Cable**
  - Quantity: (48) RGB extension cables total
  - 12V-24Volts DC
  - Wire Conductor Material: Must be copper
  - Wire Type: Must be SPT-2W: Stranded or Service, Parallel, Thermoplastic, 2=Thickness, Weather and Water Resistant
  - Connector Input (Male): Must have waterproof coupling connectors
  - Connector Output (Female): Must have waterproof coupling connectors
  - Wire Gauge: Must have 2x16 AWG
  - IP Rating: Must be IP65 rated
  - Each cable must be 6' in length
  - Must be black plastic-coated wire
  - Must be a 4-Core cable
- **M12 Extension Cable**
  - Quantity: (36) M12 extension cables total
  - Cable Length: Must be 3' length
  - UL Listed: UL 2464: UL 2464 refers to a specific wire and cable safety standard established by Underwriters Laboratories (UL). refers to a specific wire and cable safety standard established by Underwriters Laboratories (UL) for Appliance Wiring Material (AWM). It identifies flexible, multi-conductor cables—often shielded—designed for low-voltage signal, data transmission, and control applications.
  - Wire Gauge: Must be 18 AWG / 4C
  - Must be equipped with DOP (data over power) M12 4-Pin molded male connectors and female coupling connectors
  - Must be black plastic-coated cable
- **Custom Movement Programming Package**
  - Quantity: (1)
  - Looping movements of a shape or effect in custom color palettes
  - Must have at least 6 unique color movements
  - Each movement must loop for varied amounts of time

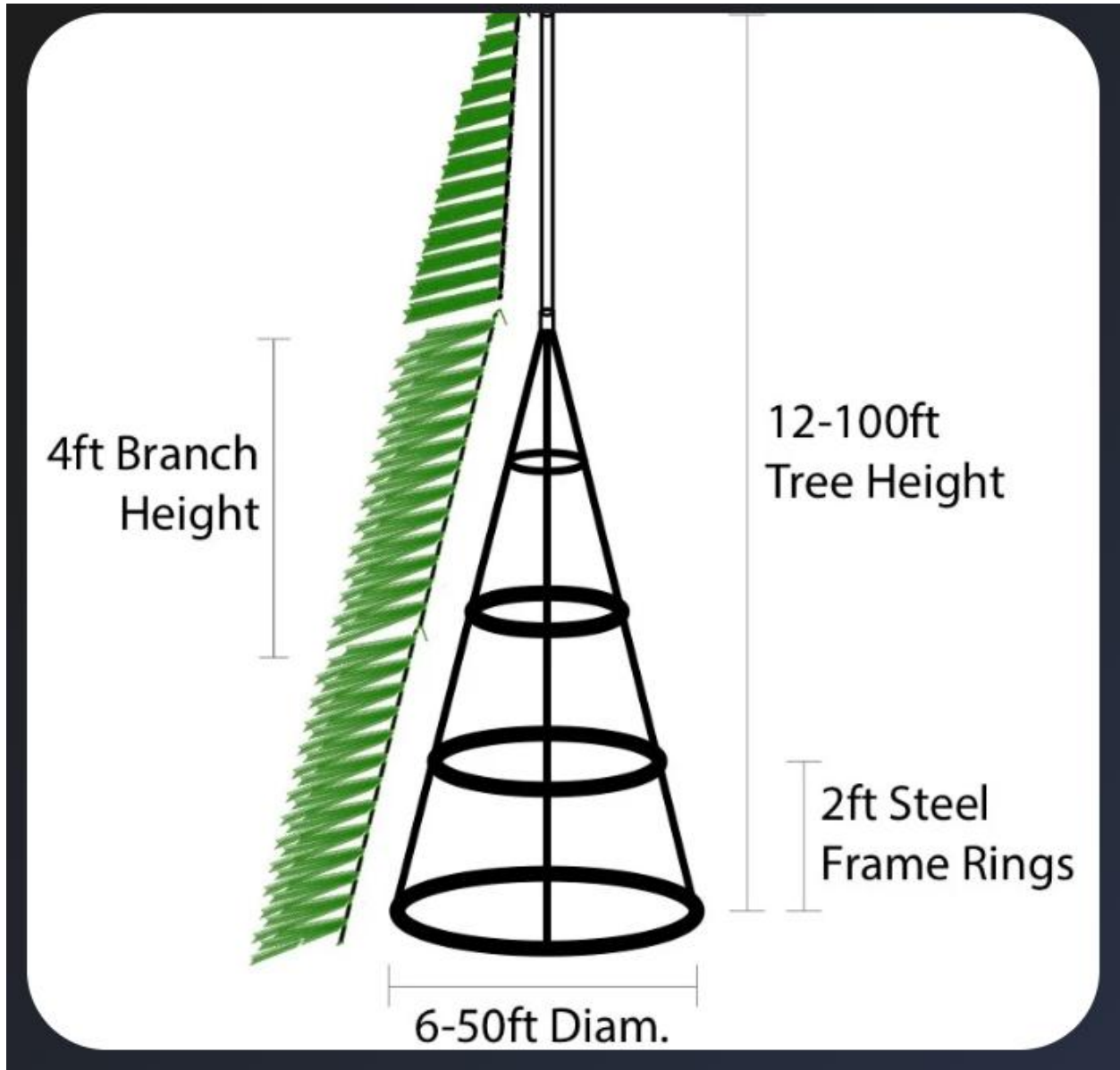
- For example, moving red and white lights to give a candy cane effect.
- **Power Supply**
  - Quantity: (4) power supply units total
  - Must be 24Volts DC
  - Must be 240 Watts
  - Must be black plastic-coated wire
  - Must have a 12” lead from input plug to power supply
  - Connector Input: Must have 5-15P standard input plug male connector-grounded included
  - Must have a 12” tail from power supply to output coupling connector
  - Product Certification: cULus: Canada, Underwriters Laboratories, United States
  - Must be twist-Lock coupling connector
  - Output coupling connector: Must be a waterproof female connector
  - Wire Conductor: Must be copper
  - Wire Insulation Material: EPDM/CPE: Ethylene Propylene Diene Monomer/ Chlorinated Polyethylene
  - Wire Type: Must be SJOW power cord: Service, Junior, Oil-Resistant, Water-Resistant
  - Product Standard: UL 8750: UL 8750 is the North American safety standard for LED equipment used in lighting products. It governs the safe design and operation of internal LED components—such as drivers, modules, arrays, and controllers—ensuring they are protected against electrical shock, fire hazards, overheating, and mechanical failure
  - Wire Gauge: 17 AWG x 2C
  - IP Rating: Must be IP65+ rated
- **Power Splitter**
  - Quantity: (4) power splitters
  - Must be a waterproof power splitter
  - Must be 24 Volts
  - Must have 1x Must be 120Volts AC
  - Must be 120 Volts AC
  - Must be 120 Volts AC
  - Input
  - Must have 2 x TL120F Outputs
  - Connector Input (Male): Must be waterproof coupling
  - Connector Output (Female): Must be waterproof coupling
  - Wire Guage: Must be 2 0AWG x 5C

- IP Rating: Must be IP65 rated
- Product Standard: Must be UL 588: UL 588 is the Underwriters Laboratories safety standard for Seasonal and Holiday Decorative Products. It establishes the minimum manufacturing and design requirements to ensure decorative lights (like string lights, wreaths, and illuminated sculptures) are safe from fire, electrical shock, and mechanical hazards
- Must be green plastic-coated cord
- **Extension Cord**
  - Quantity: (4) extension cords total
  - Cord Length: Must be 50' in length
  - Must have standard Edison plug triple adapter
  - Connector Input (Male): Must be a standard plug, grounded, 5-15P
  - Connector Output (Female): Must have a 5-15R, Grounded, standard plug
  - Wire Type: Must be SJTOW: Service, Junior, Thermoplastic, Oil-Resistant, Water-Resistant
  - Wire Gauge: Must be 16 AWG x 3C
  - Must be 120V AC
  - Must be black plastic-coated wire
  - Product Certification: Must be cULus: Canada, Underwriters Laboratories, United States
  - Product Standard: Must be UL 817: UL 817 is the Underwriters Laboratories safety standard for Cord Sets and Power-Supply Cords. It establishes the manufacturing, design, and performance requirements for cables, attachment plugs, and connectors used to supply power to electrical appliances and equipment
  - IP Rating: Must be IP44 rated

## **7. Specs for Parterre Tree:**

- **Tree**
  - Quantity: (1) Tree
  - High Density Tower Tree
  - Must be 16' in height
  - Must have 6,000 x 5mm LED Lights
  - Must be LED RGB (Red, Green, Blue color change) lights
  - Steel Tower Tree Frame
  - Pre-lit 4' branches
  - Branches: 4'L x 2'W

- Power and data runs through each branch via waterproof coupler connectors
- Low-Voltage Power (12V to 24V DC) and data systems
- Tech must be on-site during first install maximum 1 day (8 hours)
- Include spare pre-lit branches and spare power and data components







- **Control System**
  - Quantity: (1) Control System
  - Must have a Central Control System for up to 100k Pixels with created content
  - Must include 5 x ethernet waterproof coupling connections
  - Must have auxiliary audio output
  - Must have outdoor housing making it waterproof
  - Must have automated time scheduling via HQ dashboard
  - Must have 5-yrs of remote support
  - Must have an external power supply unit
- **Tree Topper**
  - Quantity: (1) Tree Topper
  - LED Star Topper
  - Lights per Item: Must have 850 lights

- Must be 3' Height/Width
- RGB Data-Over-Power
- Connectable to the High Density Tower Tree by coupling connectors
- Must come assembled with Data and Power Infrastructure



### **Custom Content Creation**

- Quantity: 3 minutes
- Must have Audio-Synchronized Custom Content Creation for any Primary Canvas
- LSU will supply audio
- Must include 1x LSU feedback
- Priced per minute of unique content

### **8. Specs for the Parterre String Lights:**

- **String Lights**
  - Quantity: (196) strands of string lights total

- Must be C6 Curtain Light Strings
- Must be 24Volts DC
- Lights must be C6 faceted RGB lights
- Lights per Item: Must have 100
- Strand Length: Must be 50' length
- Bulb Spacing: Must be 6"
- End in bulb
- Must be green plastic-coated wire made using iMold construction which is essential for waterproofing
- Connectors: Must have black M12-4P molded connectors
- Must be dimmable
- LED Grade: Pro Grade: Pro-Grade means an LED product is built with commercial-grade components and engineered for durability, reliability, and intense daily use.
- Product Standard: Must be UL 588: UL 588 is the Underwriters Laboratories safety standard for Seasonal and Holiday Decorative Products. It establishes the minimum manufacturing and design requirements to ensure decorative lights (like string lights, wreaths, and illuminated sculptures) are safe from fire, electrical shock, and mechanical hazards.
- Wire Guage: 22 AWG
- Wire Conductor: Must be copper
- Wire Type: Must be CXTW: Christmas Lighting Wire/Fixture Wire, Cross-Linked Polymer (tough, durable insulation material like cross-linked PVC), Thermoplastic, Weather and Water Resistant
- Output Tail Length: Must be 4" from last bulb to plug
- IP Rating: Must be IP44 rated



- **Single Tap**
  - Quantity: (98) Single Tap cords total
  - Must have single Tap- 2 x 100' length drops
  - Tap Connector: Must be waterproof
  - Wire Conductor Material: Must be copper
  - Connector Input (Male): Must be a waterproof coupling connector
  - Connector Output (Female): Must be a waterproof waterproof coupling connector
  - IP Rating: Must be IP65 rated
  - Must have 24" lead from input coupling connector
  - Must have 12" tail to output coupling connector
  - Must have 18" drop spacing
  - Must have 6" drop lengths
  - Must be black plastic-coated wire
- **Power / Control Lead**

- Quantity: (24) Power/Control leads total
- Must have an 18” Input: waterproof Power Input Wire Connects by Coupling Connector
- Must have an 18”Input: waterproof Data Input Connects by Coupling Connector
- Must have an 8” Output: waterproof Output to Taps Connects by Coupling Connector
- Must be black plastic-coated cable
- Controller must be epoxy-filled to ensure weather proofing
- IP Rating: Must be IP65 rated
- **Power Supply**
  - Quantity: (12) power supplies total
  - Voltage: Must be 24V DC
  - Wattage: Must be 240 W
  - Must be black plastic coated Wire
  - Must have a 12” lead from standard plug to power supply
  - Connector Input: Must have 5-15P Standard Plug Male Connector- Grounded
  - Must have a 12” tail from power supply to output coupling connector
  - Must be waterproof female connectors  
Must be Twist-Lock Coupling Connectors
  - Product Certification: Must be cULus: Canada, Underwriters Laboratories, United States
  - Wire Conductor: Must be copper
  - Wire Insulation Material: Must be EPDM/CPE: Ethylene Propylene Diene Monomer/ Chlorinated Polyethylene
  - Wire Type: Must be SJOW:Service, Junior, Oil-Resistant, Weather Resistant
  - Product Standard: Must be UL 8750:UL 8750 is the standardized safety specification for light-emitting diode (LED) equipment used in lighting products. It evaluates individual LED components—such as drivers, modules, arrays, and controllers—to protect against electrical shock, fire hazards, overheating, and mechanical failure
  - Wire Gauge: Must be 17 AWG x 2C
  - IP Rating: Must be IP65+ rated
- **Power Splitter**
  - Quantity: (12) Power Splitters total
  - Must be TL20 Power Splitters
  - Must be 24Volts
  - Must have 1 x TL120M Input

- Must have 2 x TL120F Outputs
- Connector Input (Male): Must be waterproof Coupling
- Connector Output (Female): Must be waterproof Coupling
- Wire Gauge: 20AWG x 5C
- IP Rating: Must be IP65 rated
- Product Standard: Must be UL 588: UL 588 is the Underwriters Laboratories safety standard for Seasonal and Holiday Decorative Products. It establishes the minimum manufacturing and design requirements to ensure decorative lights (like string lights, wreaths, and illuminated sculptures) are safe from fire, electrical shock, and mechanical hazards.
- Must be green plastic-coated cord
- **M12 Extension Cable**
  - Quantity: (98) M12 Extension Cables total
  - Cable Length: Must be 3' length
  - UL Listed: Must be UL 2464 : UL 2464 is a recognized standard by Underwriters Laboratories (UL) for multi-conductor shielded cables. It specifies cables designed for low-voltage signal, data transmission, and control applications
  - Wire Gauge: Must be 18AWG / 4C
  - Must be Data Over Power M12 4-Pin Molded Male Connector and Female Coupling Connector
  - Must be black plastic-coated cable
- **RGB Extension Cable**
  - Quantity: (98) RGB Extension Cables total
  - Must be 24V DC
  - Wire Conductor Material: Must be copper
  - Wire Type: Must be SPT-2W: Service Parallel Thermoplastic- 2=Thickness, Weather Resistant
  - Connector Input (Male): Must be waterproof Coupling Connectors
  - Connector Output (Female): Must be waterproof Coupling Connector
  - Wire Gauge: Must be 2 x 16 AWG
  - IP Rating: Must be IP65 rated
  - Each cable must be 6' in length
  - Black plastic coated wire
- **Data Extension Cable**
  - Quantity: (24) Data Extension Cables total
  - Each cable must be 25' in length
  - Must be 5 Volts DC

- Must be green plastic-coated wire
- Connector Input (Male): Must be waterproof Coupling Connectors
- Connector Output (Female): Must be waterproof Coupling Connector
- Wire Conductor: Must be copper
- Wire Insulation Material: Must be PVC (Polyvinyl Chloride)
- Wire Gauge: Must be 22 AWG x 3C
- IP Rating: Must be IP65 rated
- **Pixel Controller (see image below)**
  - Quantity: (5) Pixel Controllers total
  - Must have 8 x waterproof Coupling Data Outputs
  - Must have sACN/ArtNet Input via ethernet waterproof Glands
  - IP Rating: Must be IP65+ rated
  - Storage: Poly-Corrugate Box
  - 24 Volts max External Power Supply Unit
  - Must have 1xRJ45-IP Network Input
  - Must have Panel-Mount Button and LED Indicator
  - Protocol: Must have 8 x Data Over Power Serial A



- **Outdoor Switch (see image below)**
  - Quantity: (1) Outdoor Switch
  - Must have 8 x ethernet waterproof Coupling Connections
  - Must have a gigabit network
  - Allows for connections of other DMX Controllers
  - Must include external 24 V max Power Supply Unit



- **Loop HQ (see image below)**
  - Quantity: (1) Loop HQ Controller
  - Must have a Central Control System for up to 50k Pixels with created content
  - Must include 4 x ethernet waterproof connections
  - Audio Output must be a 3.5mm Auxiliary Jack
  - Must have outdoor waterproof housing
  - Must have an External Power Supply Unit
  - Must provide on-site control and scheduling via HQ wireless dashboard



- **Remote Support Module (see image below)**

- Quantity: (1) Remote Support Module Controller
- Must have 1 x RJ45-IP connection
- Connects to LoopHQ allowing for remote support
- Must include external 24 Volts max PSU, 1x 10' ethernet waterproof and 2x Antennas
- Covers all data/network costs and Tech Remote Access with 3 Year support



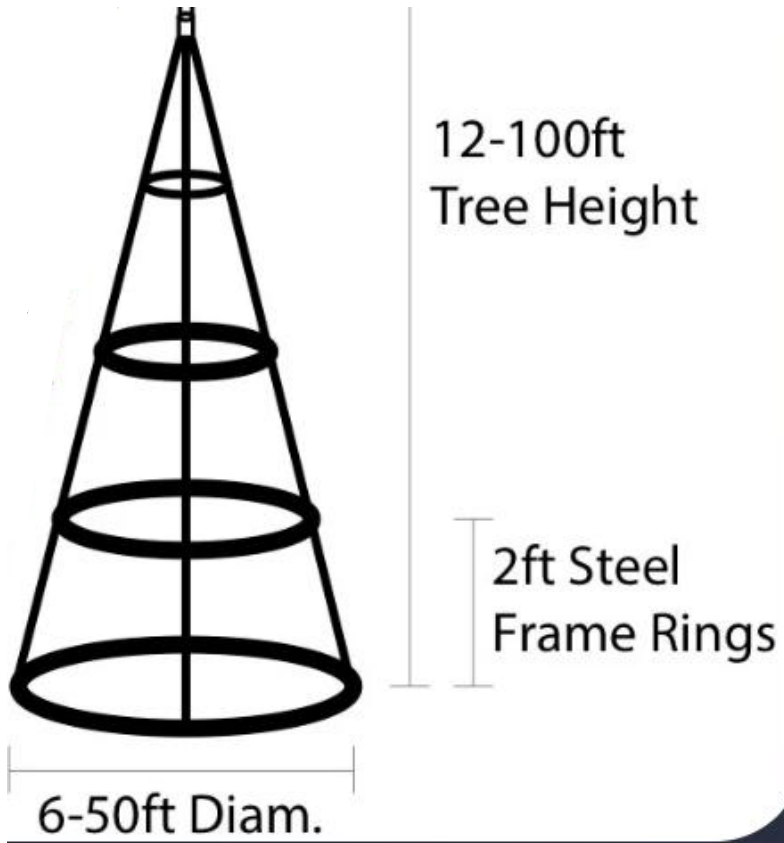
- **Cat6 Cable**

- Quantity: (10) Cat6 cables total
- Cable Length: Must be 150' length

- Must have RJ45-IP Connectors with Mating Boots/Shrouds
- Must be black plastic-coated cable
- **Custom Content**
  - Quantity: 3 Minutes
  - Must include audio-synchronized custom content creation
  - Content must be 3 minutes Long
  - LSU will supply the audio
  - Must include 1 x edit for client by supplier
  - Must be priced per minute of unique content
- **Custom Audio Services**
  - Quantity: 3 Minutes
  - LSU will supply audio for visual content integration
  - Service Package must include creative consultation, time-editing, and song-blending
  - Must include 1 x edit for client by supplier
  - Must be a flat-rate price for 1-song for up to 10 minutes
- **Content Technician- On-Site Before or During Installation**
  - Must include in-site technician visit when installed

## **9. Specs for Pole Tree for Roundabout:**

- **Frame Tree with String Lights and Star Garland (see drawing and photo below)**
  - Quantity: (1) Steel frame tree with star garland and string lights
  - Must be a slime frame tree approximately 26' in height x 7.5' in width
  - Must have 7mm dome LED lights
  - Lights must be RGB lights (red, green, blue lights for color mixing)
  - Light Spacing: 4" on string and strings spaced 4" apart
  - LED lights attached to tree frame
  - Must be clear plastic-coated wire
  - Silver powder-coated steel frame with silver star garland on aluminum wire attached to frame
  - Each ring section is to 2' in height attached by metal bolts
  - Must Include necessary power supply and controller with at least 138 programs





- **Nova Star Topper (see photo below)**
  - Quantity: (1) Nova Star Topper
  - Must be 4' LED Topper
  - Lights per Item: Must have 576 lights
  - Warm White with ¼ Pure White Strobe Epoxy Filled LEDs
  - The LED lights must be epoxy-filled to ensure weather proofing
  - Warm white rope light outline
  - Aluminum frame with silver powder coat
  - Must be 24 Volts DC
  - Must have 48 Watts max power supply and 25' extension cord Included
  - Must include base plate with 4 bolts, pole adapter, and safety harness



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## **10. Extension Cords:**

- **25' Extension Cord**

- Quantity: (50) 25' Extension Cords total
- Each extension cord must be 25' in length
- Must be a Single Adapter extension cord
- Connector Input (Male): Standard Edison plug, grounded, 5-15P
- Connector Output (Female): Standard Edison plug, polarized, 1-15R
- Connection Limit: Up to 7 cords max
- End-to-End Construction
- Input Voltage: Must be 120Volts AC

- Operating Voltage: Must be 120Volts AC
- Output Voltage: Must be 120Volts AC
- IP Rating: Must be IP44 rated
- Product Certificate: Must be cULus: (Canada Underwriters Laboratories Unites States)
- Warranty Terms: 3-Season
- Wire Material Color: Must be black plastic-coated wire
- Wire Conductor: Must be copper
- Wire Gauge: Must be 16 AWG / 3C
- Wire Type: Must be SJTOW: Service, Junior, Thermoplastic, Oil-Resistant, Weather and Water Resistant
- **15' Extension Cord**
  - Quantity: (25) 15' Extension Cords total
  - Each extension cord must be 15' in length
  - Must be a Single Adapter extension cord
  - Connector Input (Male): Standard Edison plug, grounded, 5-15P
  - Connector Output (Female): Standard Edison plug, polarized, 1-15R
  - Connection Limit: Up to 7 cords
  - End-to-End Construction
  - Input Voltage: Must be 120Volts AC
  - Operating Voltage: Must be 120Volts AC
  - Output Voltage: Must be 120Volts AC
  - IP Rating: Must be IP44 rated
  - Product Certificate: Must be cULus (Canada Underwriters Laboratories Unites States)
  - Must be black plastic-coated wire
  - Wire Conductor: Must be copper
  - Wire Gauge: Must be 16AWG/3C
  - Wire Type: Must be SJTOW (Service, Junior, Thermoplastic, Oil-Resistant, Weather and Water Resistant)



## Insurance Minimum Limits and Requirements for Standard Contractor/Vendor Agreements

### INSURANCE

The Board of Supervisors of Louisiana State University and Agricultural and Mechanical College (henceforth referred to as "University") requires contractors/vendors to procure the below minimum limits. The insurance must be maintained for the duration of work performed for or on behalf of the University, and for the length of any agreement with the University. Failure to maintain the required insurance throughout the term of the Agreement shall be a material breach, and shall entitle University to all remedies provided for in the Agreement, or by operation of law. The minimum insurance requirements described herein do not in any way limit the contractor/vendors' financial responsibilities as outlined in the agreement's Indemnification requirements. Therefore, the contractor/vendor may opt to have broader coverage and limits to satisfy its financial obligations.

#### **Workers' Compensation**

Workers' Compensation insurance shall be in compliance with the laws of the state in which the company is domiciled. Employer's Liability shall be included with a minimum limit of \$1,000,000 per accident/per disease/per employee. If Contractor/vendor is exempt from workers' compensation or fails to provide appropriate coverage, then the Contractor/vendor is or agrees to be solely responsible and hold harmless the University for the injuries of any owners, agents, volunteers, or employees during the course of the agreement.

#### **Commercial General Liability (CGL)**

Commercial General Liability insurance shall be maintained on an "occurrence" basis, including property damage, bodily injury, products & completed operations, and personal & advertising injury with limits not less than \$1,000,000 per occurrence and \$2,000,000 aggregate on Insurance Services Office Form CG 00 01, ISO 2007 edition or equivalent.

#### **Automobile Liability**

Automobile Liability Insurance shall have a minimum combined single limit per accident of \$1,000,000 on ISO form number CA 00 01 or equivalent. This insurance shall include third-party bodily injury and property damage liability for owned, hired and non-owned vehicles.

#### **Excess Insurance**

Umbrella or Excess insurance may be used to meet the minimum limit requirements for liability insurance.

### Other Insurance Requirements

#### ***Additional Insured Status***

The University is to be listed as an Additional Insured on the Commercial General Liability (must use an endorsement at least as broad as ISO Form CG 20 10 11 85 or both CG 20 10 and CG 20 37 forms with edition date 2004 if later revisions used). See *Verification of Coverage* section on how the University should be listed as an Additional Insured.

#### ***Waiver of Subrogation/Recovery***

All insurances shall include a waiver of subrogation/recovery in favor of the University.

#### ***Primary Coverage and Limits of Insurance***

For any claims related to work performed for or on behalf of the University or related to an agreement/purchase order, the contractor/vendor's insurance coverage shall be primary insurance as respects to the University. Any applicable insurance or self-insurance maintained by the University shall be excess of the Contractor/vendor's insurance and shall not contribute with it.

#### ***Subcontractors***

Subcontractors of the Contractor/vendor shall be subject to all of the requirements stated herein. Contractor/vendor shall include all subcontractors as insureds under its policies or shall be responsible for verifying insurance coverages and limits and maintaining Certificates of Insurance for each subcontractor. The University reserves the right to receive from the Contractor/vendor copies of subcontractors' certificates.

#### ***Deductibles and Self-Insured Retentions***

Any deductibles or self-insured retentions above \$25,000 must be approved by the University or reduced prior to the commencement of work. The University may require the Contractor/vendor to provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention.

#### ***Acceptability of Insurers***

Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A- VII, unless otherwise approved by the University.

#### ***Verification of Coverage***

The University shall be listed as Additional Insured and Certificate Holder as follows:

**The Board of Supervisors of Louisiana State  
University and Agricultural & Mechanical College  
213 Thomas Boyd Hall  
Baton Rouge, LA 70803**

Certificates of Insurance shall be furnished to the University evidencing the insurance required herein including amendatory endorsements. The University's failure to obtain the required documents prior to the work beginning or acceptance of a non-compliant certificate shall not waive the Contractor/vendor's obligation to have in place the required insurances or to provide the certificate. The University reserves the right to require certified copies of all the insurance policies, including endorsements.

#### ***Special Risks or Circumstances***

LSU reserves the right to consider alternate coverage or limits and to modify these requirements, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.



## **Insurance Minimum Limits and Requirements for Standard Supplier Agreements (no services to be performed)**

The Board of Supervisors of Louisiana State University and Agricultural and Mechanical College (henceforth referred to as "University") requires contractors/vendors to procure the below insurance. The insurance must be maintained for the duration of work performed for or on behalf of the University, and for the length of any agreement with the University. Failure to maintain the required insurance throughout the term of the Agreement shall be a material breach, and shall entitle University to all remedies provided for in the Agreement, or by operation of law. The minimum insurance requirements described herein do not in any way limit the contractor/vendors' financial responsibilities as outlined in the agreement's Indemnification requirements; therefore, the contractor/vendor may opt to have broader coverage and limits to satisfy its financial obligations.

### **Workers' Compensation**

Workers' Compensation insurance shall be in compliance with the laws of the state in which the company is domiciled. Employer's Liability shall be included with a minimum limit of \$1,000,000 per accident/per disease/per employee. If Supplier is exempt from workers' compensation then the Supplier is or agrees to be solely responsible and hold harmless the University for the injuries of any owners, agents, volunteers, or employees during the course of the agreement.

### **Commercial General Liability (CGL)**

Commercial General Liability insurance shall be maintained on an "occurrence" basis, including property damage, bodily injury, products & completed operations, and personal & advertising injury with limits not less than \$1,000,000 per occurrence and \$2,000,000 aggregate on Insurance Services Office Form CG 00 01, ISO 2007 edition or equivalent.

### **Automobile Liability**

Automobile Liability Insurance shall have a minimum combined single limit per accident of \$1,000,000. This insurance shall include third-party bodily injury and property damage liability for owned, hired and non-owned vehicles.

### **Excess Insurance**

Umbrella or Excess insurance may be used to meet the minimum limit requirements for liability insurance.

## **Other Insurance Requirements**

### ***Additional Insured Status***

The University is to be listed as an Additional Insured on the Commercial General Liability policy.

### ***Primary Coverage***

For any claims related to an agreement/purchase order, the suppliers' insurance coverage shall be primary insurance as respects to the University. Any applicable insurance or self-insurance maintained by the University shall be excess of the supplier's insurance and shall not contribute with it.

### ***Acceptability of Insurers***

Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A- VII, unless otherwise approved by the University.

### ***Special Risks or Circumstances***

LSU reserves the right to consider alternate coverage or limits and to modify these requirements, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.