

STATE OF LOUISIANA  
SOUTHEASTERN LOUISIANA UNIVERSITY  
HAMMOND, LOUISIANA  
A Member of the University of Louisiana System

INVITATION TO BID  
TO FURNISH AND DELIVER  
ENTERTAINMENT LED LUMINARIES AND ACCESSORIES

ISSUING AGENCY: Southeastern Louisiana University  
Purchasing Department  
SLU 10800  
Hammond, LA 70402

DIRECTOR OF PURCHASING: Richard Himber  
Telephone: (985) 549-2064

PURCHASING AGENT: Phyllis Hoover, CPPB  
Telephone: (985) 549-5415

REQUISITIONED BY: Beau Vige'  
Telephone: (985) 549-3945

RELEASE DATE: April 16, 2025

BID OPENING DATE: May 7, 2025

BID OPENING TIME: 4:00 p.m., Central Time

INQUIRY DEADLINE: April 28, 2025

DELIVERED LOCATION: Southeastern Louisiana University  
Purchasing Department  
Property Control & Supply Building  
2400 North Oak Street, Building M-4  
Hammond, Louisiana

NOTE: THIS SOLICITATION IS A SEALED BID AND MUST BE RETURNED BY MAIL OR DELIVERED IN PERSON. BID RESPONSE FORMS CANNOT BE FAXED AND ANY FAX RESPONSES SHALL BE REJECTED.

This ITB is available in electronic form at <https://www.cfprd.doa.louisiana.gov/osp/lapac/pubmain.cfm>. It is available in PDF format or in printed form by submitting a written request to the Procurement Specialist listed above. It is the Bidder's responsibility to check the Office of State Purchasing LaPAC website frequently for any possible addenda that may be issued. Southeastern is not responsible for a bidder's failure to download any addenda documents required to complete an Invitation to Bid.

BIDDER'S NAME: \_\_\_\_\_

TELEPHONE NO: \_\_\_\_\_ FAX NUMBER \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_

ZIP CODE

E-MAIL ADDRESS: \_\_\_\_\_

**Deadline for Bidder Inquiries is April 28, 2025.**

**Inquiries to be faxed to Purchasing Department, Attention: Phyllis Hoover, 985-549-3810.**

**I/we do hereby acknowledge receipt of the following addenda (if any):**

No. \_\_\_\_\_ Dated \_\_\_\_\_ No. \_\_\_\_\_ Dated \_\_\_\_\_

**OTHER REQUIREMENTS:**

Bidder shall include the cost of transportation and handling in the unit price of each item offered - F.O.B. University, Hammond, LA.

The bidder should attach illustrations and descriptive literature of the item(s) offered to the bid response form for evaluation purposes.

**The attached Instructions to Bidders and General Conditions shall be a part hereof.**

**TO THE VENDOR:**

Whenever brand name specifications or catalogue numbers are used to describe the standard of quality, performance and other characteristics, the use of such specifications shall not restrict, unless otherwise specified, the submission of equivalent products.

**THIS SOLICITATION IS A SEALED BID AND MUST BE RETURNED BY MAIL OR DELIVERED IN PERSON. BID RESPONSE FORMS CANNOT BE FAXED AND ANY FAX RESPONSES SHALL BE REJECTED.**

**TERMS:** Net 30 Prox., F.O.B. University Receiving Station, Hammond, Louisiana.

**TAXES:** Any taxes, other than state sales and use tax shall be included within the bidder's unit price. The University is currently exempt from state sales and use tax.

THIS BID RESPONSE SUBMITTED BY: \_\_\_\_\_

**AUTHORIZED OFFICER:** \_\_\_\_\_

**Signature**

(Print or Type Name)

TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

SOUTHEASTERN LOUISIANA UNIVERSITY  
BID RESPONSE FORM

PN	Description	Quantity	UOM	Unit Price	Total
CSSV19	ETC Colorsourc Spot V 19deg with C-Clamp, Safety Cable, Power Whip Offering: _____	10	Each	_____	_____
CSSV26	ETC Colorsourc Spot V 26deg with C-Clamp, Safety Cable, Power Whip Offering: _____	5	Each	_____	_____
CSSJr	ETC Colorsourc Spot Jr with C-Clamp, Safety Cable, Power Whip Offering: _____	52	Each	_____	_____
CSPDB	ETC Colorsourc Par Deep Blue with C-Clamp, Safety Cable, MFL, Power Whip Offering: _____	20	Each	_____	_____
CSCyc	ETC Colorsourc Cyc with C-Clamp, Safety Cable, Power Whip Offering: _____	6	Each	_____	_____
MLSP	Mega Lite Spot Bot with 2 Omega Brackets, 2 C-Clamp, Safety Cable, Power Whip Offering: _____	4	Each	_____	_____
DMX10	Lex Products DMX 10' Cable Offering: _____	97	Each	_____	_____

THIS BID RESPONSE SUBMITTED BY: \_\_\_\_\_

AUTHORIZED OFFICER: \_\_\_\_\_

Signature

(Print or Type Name)

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

BID RESPONSE FORM PAGE 2 of 2

/ph

## NOTICE TO BIDDERS

Louisiana Revised Statute 39:1595 gives preference for all types of products produced, manufactured, or assembled in Louisiana. Southeastern may purchase such materials, supplies, products, provisions, or equipment which are produced, manufactured, or assembled in Louisiana, and which are equal in quality to other materials, supplies, products, provisions, or equipment, provided that all of the following conditions are met:

- (1) The cost of such items does not exceed the cost of other items which are manufactured, produced, or assembled outside the state by more than (10%) ten percent.
- (2) The vendor of such Louisiana items agrees to sell the items at the same price as the lowest bid offered on such items.
- (3) In cases where more than one bidder offers Louisiana items which are within ten percent of the lowest bid, the bidder offering the lowest bid on Louisiana items is entitled to accept the price of the lowest bid made on such items.

If your business qualifies to claim the Louisiana preference as outlined, this form shall be completed and returned with the Bid Response Form/s for consideration and application of any preferences claimed. Bidder to state the following for consideration:

State Bid Item #'s Qualifying	State Whether: Produced   Manufactured   Assembled	State LA Location (City/Town)

If more space is needed, this form may be duplicated and appended.

I certify the above information is an accurate statement and products claimed qualify for application of LA preference per LA R.S. 39:1595:

Name of Business: \_\_\_\_\_

Official Claiming: \_\_\_\_\_

Signature

Title

Date

TO: Louisiana Veteran-Owned and Service-Connected Disabled Veteran-Owned Small Entrepreneurships

RE: Veteran Initiative – Act 167 of the 2009 Legislative Session

➤ **ARE YOU ELIGIBLE FOR PARTICIPATION?**

- Are you a veteran-owned small entrepreneurship or a service-connected disabled veteran-owned small entrepreneurship in accordance with documentation from the United States Department of Veterans Affairs or the Louisiana Department of Veterans Affairs?
- Are you a Louisiana domiciled business?
- Do you have less than fifty (50) full-time employees?
- Are your annual gross revenue receipts \$5,000,000 or less (for construction) or \$3,000,000 for (non-construction) for each of the previous 3 tax years?

If your answers are yes, your company may be eligible for participation in the Louisiana Veteran-Owned and Service-Connected Disabled Veteran-Owned Small Entrepreneurship Program, also known as the Veteran Initiative.

➤ **WHAT IS THE VETERAN INITIATIVE?**

The Veteran Initiative, created by LRS 39:2171 through 2179 and LRS 51:931, provides additional opportunities for certified Louisiana-based small entrepreneurships to participate in contracting and procurement with the State. Key features of the program are:

- This is a goal-oriented program
- It is race and gender neutral
- Participation is restricted to Louisiana-based certified veteran-owned and service-connected disabled veteran-owned small entrepreneurships

The rules governing the implementation of the program are located at <http://www.doa.louisiana.gov/osp/se/se.htm>

➤ **WHY IS CERTIFICATION IMPORTANT?**

Certification is required for your participation in the Veteran Initiative. Under this program, you may be given increased opportunity to participate in Louisiana state contracts. Certain contracts may be awarded to your business without competition. And, certification is one of the methods that the State of Louisiana will utilize as a basis for benchmarking for annualized procurement and contracting goals.

➤ **WHAT AGENCY IS RESPONSIBLE FOR CERTIFICATION?**

The Louisiana Department of Economic Development (LED) is responsible for certifying Small Entrepreneurships for participation in the program. The (LED) Small Business Certification System may be accessed at [https://smallbiz.louisianaforward.com/index\\_2.asp](https://smallbiz.louisianaforward.com/index_2.asp). For additional information regarding certification, please contact the LED at (225) 342-3000.

➤ **WHAT IS THE ROLE OF THE DEPARTMENT OF VETERANS AFFAIRS?**

The Louisiana Department of Veterans Affairs is responsible for disseminating information on this program and other veterans' benefits to Louisiana veterans. Information on this program and other veterans' benefits can be accessed at [www.vetaffaris.la.gov](http://www.vetaffaris.la.gov)

The State of Louisiana is committed to the success of this program and encourages your participation.

**Become certified today with the Hudson or Veteran Initiatives  
to gain increased access to state contracts and purchasing opportunities**

**Louisiana's Hudson Initiative is a certification program designed to help eligible Louisiana small businesses gain greater access to purchasing and contracting opportunities that are available at the State government level.**

**The program is open to all Louisiana businesses that meet eligibility requirements. Visit [OpportunityLouisiana.com/Hudson-Initiative](https://OpportunityLouisiana.com/Hudson-Initiative) for eligibility guidelines and to access the online application.**

**SMALL PURCHASES EXECUTIVE ORDER BENEFITS**

**The new Small Purchases Executive Order 2020 JBE 21 waives the requirement of multiple quotes for small purchases of less than \$30,000 if a certified company submits a quote that is reasonable.**

- **No quotes required for purchases from \$0 to \$10,000**
- **Removes requirement for 3 quotes for purchases from \$10,000 to \$20,000**
- **Removes requirement for 5 quotes for purchases from \$20,000 to \$25,000**

**REQUEST FOR PROPOSAL (RFP) BENEFITS**

- **10% of the total evaluation points can be added to a certified Hudson company's bid on a RFP**
- **For the Veteran Initiative, 12% points can be added to a certified Veteran company's on a RFP**
- **Prime contractors who use certified Small Entrepreneurships as a subcontractor on a bid for an RFP are also eligible to receive additional percentage points on their bid**
- **Business and contact information will be accessible to State purchasing officials and prime contractors looking for subcontractors**

**Louisiana Economic Development offers an array of resources to small business owners.  
For a comprehensive list of resources provided by LED, please visit [OpportunityLouisiana.com](https://OpportunityLouisiana.com)**

STATE OF LOUISIANA  
SOUTHEASTERN LOUISIANA UNIVERSITY  
HAMMOND, LOUISIANA

The Southeastern Louisiana University (SLU) Purchasing Department will receive sealed bids until 4:00 P.M. on the bid opening date specified in the solicitation document. No bid responses will be considered by the SLU Purchasing Department after 4:00 P.M. Beginning at that time, bids shall be publicly opened and read aloud to those present in the SLU Purchasing Department.

Mail address: Southeastern LA University  
Purchasing Department  
SLU 10800  
Hammond, LA 70402

Delivery: Southeastern LA University  
Purchasing Department  
Property Control & Supply Bldg  
2400 North Oak St  
Hammond, LA 70402

Bids submitted are subject to LA R.S. 39:1551-1736; Purchasing Rules and Regulations; Executive Orders; General Conditions; any Special Conditions; and Specifications listed in the solicitation document.

The purpose of this solicitation is to set forth the requirements and specifications of Southeastern Louisiana University. The contents of this solicitation and the Bidder/ Vendor/ Contractor's bid response shall become contractual obligations if a contract (purchase order) ensues.

INSTRUCTIONS TO BIDDERS

- 1) **Bid Forms:** Per LA R.S. 39:1556, all written bids, unless otherwise provided for, must be submitted on, and in accordance with, forms provided, properly signed in ink or electronic signature by an authorized representative of the bidding entity. Bids submitted in the following manner will not be accepted: (1) Bid contains no signature indicating intent to be bound; (2) Bid filled out in pencil; (3) Bid sent by facsimile equipment or email. Price alterations to bid responses received before bid opening time will be considered provided the written price alteration has been received and timestamped before bid opening time. Any other alterations of the bid response form or foreign conditions attached thereto may cause rejection of the bid response without further consideration.
- 2) **Standard of Quality:** Any product or service bid shall conform to all applicable Federal and State laws and regulations and specifications contained in the solicitation document. Unless otherwise specified in the solicitation document, any manufacturer's name, trade name, brand name, or catalog number used in the specifications is for the purpose of describing the quality level and characteristic required. Bidder should 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 products specified in the solicitation document.
- 3) **Descriptive Information:** Bidders proposing an equivalent brand or model should submit with the bid response information (such as illustrations, descriptive literature, technical data) sufficient for the University to evaluate quality, suitability, and compliance with the specifications of the solicitation document. Failure to submit descriptive information may cause bid to be rejected. Any change made to a manufacturer's published specification submitted for a product shall be verifiable by the manufacturer. If item(s) bid does not comply with specifications (including brand and/or product number), bidder should state in what respect the item(s) deviate. Failure to note exceptions on the response form will not relieve the successful bidder(s) from supplying the actual products requested.
- 4) **Bid Opening:** Bidders may attend the bid opening, but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Bids may be examined 72 hours after request is made. Information pertaining to completed files may be secured by visiting the SLU Purchasing Department during normal working hours. Written bid tabulations will not be furnished.
- 5) **Louisiana Preference:** Preference is hereby given to products produced, manufactured, harvested, grown or assembled in Louisiana which are equal in quality to products produced, manufactured, harvested, grown or assembled outside of Louisiana. The bidder shall state his right to claim the ten percent (10%) preference in his bid response and the bidder should state the respective Louisiana location where each qualifying item is produced, manufactured, harvested, grown or assembled.
- 6) **Notice of Special Programs Available for Small Business:** <https://www.opportunitylouisiana.com/small-business/special-programs-for-small-business>
- 7) **Signature Authority:** In accordance with LA Revised Statute 39:1594 (Act 121), the person signing the bid must be: (1) A current corporate officer, partnership member or other individual specifically authorized to submit a bid as reflected in the appropriate records on file with the Secretary of State; or (2) An individual authorized to bind the vendor as reflected by an accompanying or as provided upon request a corporate resolution or affidavit. By signing the bid, the bidder certifies compliance with the above.

## GENERAL CONDITIONS

The SLU Purchasing Department reserves the right to award items separately, grouped or on an all-or-none basis and to reject any or all bids and waive any informalities.

- 1) **Prices:** Unless otherwise specified in the solicitation, bid prices shall be complete, including transportation and handling prepaid by the bidder to destination - SLU, Hammond, LA. Bids other than FOB destination may be rejected. Bid prices should be quoted in the unit of measure stated. Bid prices shall be firm for a minimum of thirty (30) calendar days, unless otherwise specified by SLU in the solicitation document.
- 2) **Payment Terms:** Cash discounts for less than 30 days may be offered, but will not be considered in determining awards. Bids containing "payment in advance" or "COD" requirements may be rejected. Payment is to be made within 30 days after receipt of properly executed invoice or delivery, whichever is later.
- 3) **Delivery:** Bids may be rejected if the delivery time indicated is longer than that specified in the solicitation document.
- 4) **Taxes:** Bidder is responsible for including all applicable taxes in the bid price. The University is currently exempt from Louisiana State Sales and Use Taxes, and local parish and city taxes. An exemption certificate for state sales and use tax can be provided upon request.
- 5) **New Products:** Unless specifically called for in the solicitation document, all products for purchase must be new, never previously used, and the current model and/or packaging. No remanufactured, demonstrator, used or irregular product will be considered for purchase unless otherwise specified in the solicitation document. The manufacturer's standard warranty will apply unless otherwise stated in solicitation.
- 6) **Default of Contractor:** Failure to deliver within the time specified in the solicitation document will constitute a default and may cause cancellation of the contract. Where the University has determined the contractor to be in default, the state reserves the right to purchase any or all products or services covered by the contract on the open market and to charge the contractor with cost in excess of the contract price. Until such assessed charges have been paid, no subsequent bid from the defaulting contractor will be considered.
- 7) **Contract Cancellation:** The University shall have the right to cancel any contract, in accordance with Purchasing Rules and Regulations, for cause, including but not limited to, the following: (1) failure of the vendor 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 contractor; (4) fraud, collusion, conspiracy or other unlawful means of obtaining any contract with the state; (5) conflict of contract provisions with constitutional or statutory provisions of state or federal law; (6) any other breach of contract.
- 8) **Applicable Law:** All contracts shall be construed in accordance with and governed by the laws of the State of Louisiana.
- 9) **Equal Opportunity:** By submitting and signing this bid, bidder agrees that he will not discriminate in the rendering of services to and/or employment of individuals because of race, color, religion, sex, age, national origin, handicap, disability, veteran status, or any other non-merit factor.
- 10) By submitting a response to this solicitation, the bidder or proposer certifies and agrees that the following information is correct: In preparing its response, the bidder or proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The bidder also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. The state reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.
- 11) Louisiana Revised Statute 39:1753.1. requirements shall apply to any equipment component which enables any form of connectivity.
- 12) **Piggyback:** Other Louisiana Governmental Agencies may purchase at the same terms and conditions if agreed upon by awarded bidder.



GENERAL CONDITIONS (continued)

13) Prohibition of Companies That Discriminate Against Firearm and Ammunition Industries:

In accordance with La.R.S. 39:1602.2, the following applies to any competitive sealed bids, competitive sealed proposals, or contract(s) with a value of \$100,000 or more involving a for-profit company with at least fifty full-time employees:

Unless otherwise exempted by law, by submitting a response to this solicitation or entering into this contract, the Bidder, Proposer or Contractor certifies the following:

- 1) The company does not have a practice, policy, guidance or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association;
- 2) The company will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.

The State reserves the right to reject the response of the Bidder, Proposer or Contractor if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response or if the certification is no longer true.

## ENTERTAINMENT LED LUMINAIRES AND ACCESSORIES

### Equipment List

Qty	PN	Description
10	CSSV19	ETC Colorsource Spot V 19deg with C-Clamp, Safety Cable, Power Whip
5	CSSV26	ETC Colorsource Spot V 26deg with C-Clamp, Safety Cable, Power Whip
52	CSSJr	ETC Colorsource Spot Jr with C-Clamp, Safety Cable, Power Whip
20	CSPDB	ETC Colorsource Par Deep Blue with C-Clamp, Safety Cable, MFL, Power Whip
6	CSCyc	ETC Colorsource Cyc with C-Clamp, Safety Cable, Power Whip
4	MLSP	Mega Lite Spot Bot with 2 Omega Brackets, 2 C-Clamp, Safety Cable, Power Whip
97	DMX10	Lex Products DMX 10' Cable

### WARRANTY

- A. Manufacturer standard limited warranty unless indicated otherwise.
  - 1. Unless Specified Otherwise: Fixtures: 5 years. LED Arrays: 10 years.

### PART 2 PRODUCTS

#### MANUFACTURERS

- A. Acceptable Manufacturer: ETC, which is located at: 3031 Pleasant View Rd., P. O. Box 620979; Middleton, WI 53562-0979; Phone: 608-831-4116  
Email: [mail@etcconnect.com](mailto:mail@etcconnect.com);  
Web: [www.etcconnect.com](http://www.etcconnect.com) .
- B. Mega-Lite, which is located at: 18662 Bandera Rd Helotes, TX 78023, USA Phone: 210-684-2600  
Email: [sales@megalighting.com](mailto:sales@megalighting.com)  
Web: [www.megalighting.com](http://www.megalighting.com)
- C. Lex Products, which is located at: 35 Nutmeg Drive Suite 205 Trumbull, CT 06611  
Email: [info@lexproducts.com](mailto:info@lexproducts.com)  
Web: [www.lexproducts.com/powerflex](http://www.lexproducts.com/powerflex)
- D. Requests for substitutions will be considered
- E. Product Requirements.
  - 1. Standards Compliance: Luminaire testing is by nationally recognized third-party labs in compliance with IES LM-84.
  - 2. Warranty Unless Specified Otherwise: Fixture: 5 years. LED Array: 10 years.

#### 1. ENTERTAINMENT LUMINAIRES (COLORSOURCE)

- A. Basis of Design: ColorSource CYC as manufactured by ETC Inc. A dedicated cyclorama fixture for creating beautiful, smooth washes of light on a cyclorama or wall. Five-color mix of

red, green, blue, lime, and indigo for expanded range and color control.

1. Standards Compliance:

- a. Listed: cETLus, UL 1573, and CSA C22.2 No. 166.
- b. Compliance: CE and EAC.

2. Source:

- a. LED Details: 42 Lumileds LUXEON C LEDs.
- b. Max Lumens: 4117.
- c. Lumens per Watt: 31.
- d. L70 rating: greater than 50,000 hours.

3. Color:

- a. Colors Used: Red, Green, Blue, Indigo, and Lime.
- b. Color Temperature Range: Range.
- c. Calibrated Array: Yes.
- d. Red Shift: No.

4. Optical:

- a. Beam Angle Range: DMX-512 via 5-pin XLR connector
- b. Gate Size: N/A.
- c. Aperture Size: N/A.
- d. Pattern Projection: No.
- e. Pattern Size: N/A.
- f. Camera Flicker Control/Hz Range: Default: 1,200 Hz. RDM: 25,000 Hz.
- g. The ColorSource CYC has a built in accessory for spill control.

5. Control:

- a. Input Method: DMX-512 via 5-pin XLR connector. Protocols: DMX.
- b. Modes (Footprint): 5 channel: IRGBS (5). Direct: IRGBILS (7). 1 channel: (1). RGB: RGB (3).
- c. RDM Configuration: Yes.
- d. User Interface Type: 7-segment address display, local level control via UI.
- e. Local Control: Yes.
- f. Onboard Presets: Yes, 12. Onboard Sequences: Yes, 5. Onboard Effects: No.
- g. FixtureLink support: Yes.

6. Electrical:

- a. Voltage: 100 to 230 VAC, 50 to 60 Hz.
- b. Input Method: PowerCON in and thru.
- c. Inrush First Half-Cycle: 39 A at 120 V. 74 A at 240 V.
- d. Wattage (Typical/Standby): 133 / 1.4 W at 120 V. 116 / 1.2 W at 230 V.
- e. Current Draw: 1.11 A at 120 V. 1.11 A at 230 V.

7. Thermal: Operating Temperature: 32 to 104 degrees F.

- a. Fan: No. db Range: 18.5 dBA average at 39 inches.
- b. Droop Compensation: Yes.
- c. BTUs/hour: 453.

8. Physical: IP Rating: IP-20.

- a. Materials: Die-cast aluminum. Colors: Black, white, silver, or custom.
- b. Mounting Options: Yoke and floor.
- c. Included Accessories: Hanging yoke, power cable.

B. Basis of Design: ColorSource PAR as manufactured by ETC Inc. An affordable high quality wash fixture. Uses RGB-L or bi-white color system.

1. Standards Compliance:
  - a. Listed: cETLus, UL 1573, UL 924, CSA C22.2 No. 166 and 141.
  - b. Compliance: CE and EAC.
2. Model ColorSource PAR Deep Blue: Black.
3. Arrays:
  - a. Deep Blue RGI-L (Red/Green/Indigo/Lime).
4. Source:
  - a. LED Details: 40 Lumileds LUXEON Z LEDs
  - b. Max Lumens: PAR: 3,039. PAR DB: 2,429. Pearl: 5709
  - c. Lumens per Watt: PAR: 28.1. PAR DB: 27.6. Pearl: 50.
  - d. L70 rating: Greater than 55,000 hours.
5. Color:
  - a. Colors Used: PAR Deep Blue: red, green, indigo, lime.
  - b. Color temperature Range: Standard and DB: Color mixing.
  - c. Calibrated Array: Yes.
  - d. Red Shift: No.
6. Optical:
  - a. Beam Angle Range: 14.5 degrees.
  - b. Gate Size: N/A.
  - c. Aperture Size: 7.5 inches.
  - d. Pattern Projection: No.
  - e. Pattern Size: N/A.
  - f. Camera Flicker Control/Hz Range: Default: 1,200 Hz. RDM: 25,000 Hz.
7. Control:
  - a. Input Method: DMX-512 via 5-pin XLR connector. Protocols: DMX512, RDM.
  - b. RDM Configuration: Yes.
  - c. User Interface Type: 7-segment 3 button interface.
  - d. Local Control: Yes.
  - e. Onboard Presets: Yes, 12. Onboard Sequences: Yes, 5. Onboard Effects: No.
  - f. Fixture-to-Fixture Control: Yes.
  - g. 15-bit virtual dimming engine.
8. Electrical:
  - a. Voltage: 100 to 240 VAC, 50 to 60 Hz. Input Method: PowerCON in and thru.
  - b. Inrush First Half-Cycle: Original / Deep Blue / Pearl.
    - 1) 35 A / 35.6 A / 67.5 A at 120 V. 49 A / 85.6 A / 153 A at 240 V.
  - c. Standard and DB:
    - 1) Wattage: 90 W at 120 V. 89 W at 240 V.
    - 2) Current Draw: 0.75 A at 120 V. 0.40 A at 240 V.
9. Thermal: Operating Temperature: 32 to 104 degrees F.
  - a. Fan: Yes. Not controllable. db Range: 24.8 dBA average at 39 inches.
  - b. Droop Compensation: Yes.
  - c. BTUs/hour: RGB-L: 307. RGI-L Deep Blue: 303. Pearl: 389
10. Physical: IP Rating: IP-20.
  - a. Materials: Die-cast aluminum. Colors: Black, white, silver, or custom.
  - b. Mounting Options: Yoke or floor stand.
  - c. Included Accessories: Power cable and hanging yoke.
  - d. Seven-segment, three-button Interface.

C. Basis of Design: ColorSource Spot V as manufactured by ETC Inc. Brings together a five-color light engine with the build-quality and support of an ETC product. Uses a mix of red, green, blue, indigo and lime LED emitters. ETC optics, adapters, and accessories.

1. Standards Compliance:

- a. Listed: cETLus, UL 1598, UL 924, CSA C22.2 No. 250.0.
- b. Compliance: CE.

2. Model ColorSource Spot V with shutter barrel, black.

3. Source:

- a. LED Details: 60 Lumileds LUXEON Rebel and LUXEON C LEDs.
- b. Max Lumens: 9300.
- c. Lumens per Watt: 47.2.
- d. L70 Rating: Greater than 54000 hours.

4. Colors:

- a. Colors Used Spot: Red, green, blue, indigo, lime.
- b. Color temperature Range: Color mixing.
- c. Calibrated Array: Yes.
- d. Red Shift: No.

5. Optical:

- a. Beam Angle Range: 5 to 90 degrees. Swappable lens tubes.
- b. Gate Size: 80 mm.
- c. Aperture Size: 6.25 to 14 inches depending on lens tube.
- d. Pattern Projection: Yes.
- e. Pattern Size: A or B.
- f. Camera Flicker Control/Hz Range: 5 kHz and 25 kHz.

6. Control:

a. Input Method:

- 1) DMX-512 via 5-pin XLR connector. Protocols: DMX512, RDM.
- 2) City Theatrical Multiverse. Protocols: DMX512, RDM.

- b. NFC Configuration: Yes, via Set Light app.
- c. RDM Configuration: Yes.
- d. User Interface Type:

1) ColorSource Spot V: 7-segment 3 button interface.

- e. Local Control: Yes. (ColorSource Spot V only)
- f. Onboard Presets: Yes, 12. Onboard Sequences: Yes, 5. Onboard Effects: No.
- g. Fixture-to-Fixture Control: Yes.
- h. 15-bit virtual dimming engine.

7. Electrical:

- a. Voltage: 100 to 240 VAC, 50 to 60 Hz.
- b. Input Method: powerCON True1 TOP in and thru.
- c. Inrush First Half Cycle: 55 A at 120 V. 59 A at 240 V.
- d. Fixtures per Circuit:
  - 1) Eight. (R20 module or similar).

8. Thermal: Operating Temperature: 32 to 104 degrees F.

- a. Fan: Yes. Controllable.
- b. Droop Compensation: Yes.
- c. BTUs/hour: 671.77.

9. Physical: IP Rating: ColorSource Spot V: IP-20. ColorSource Spot VXT: IP-65.
- a. Materials: Die-cast aluminum. Colors: Black, white, silver, or custom.
  - b. Mounting Options: Yoke.
  - c. Included Accessories: Hanging yoke, 39 inch power cable, soft-focus diffuser in an A-size gobo holder.

D. Basis of Design: ColorSource Spot Jr. as manufactured by ETC Inc. Compact four-color light engine. A mix of red, green, blue, and lime LED emitters. Original and Deep Blue arrays. Built-in zoom capabilities. 5,708 lumen output.

1. Standards Compliance:
  - a. Listed: cETLus, UL 1598, CSA C22.2 No. 250.
  - b. Compliance: CE and EAC.
2. Model ColorSource Spot jr Deep Blue XLR, black.
3. Source:
  - a. LED Details: 52 Lumileds LUXEON C LEDs.
  - b. Max Lumens: Standard: 5,708. Deep Blue: 5,426. Lumens per Watt: 44.8.
  - c. L70 Rating: 54000 hours.
4. Color:
  - a. Colors Deep Blue: Red, green, indigo, lime.
  - b. Color Temperature Range: Color mixing.
  - c. Calibrated Array: Yes.
  - d. Red Shift: No.
5. Optical:
  - a. Beam Angle Range: 25 to 50 degrees. Swappable lens tubes.
  - b. Gate Size: 1.96 inches.
  - c. Aperture Size: 6.25 to 14 inches.
  - d. Pattern Projection: Yes.
  - e. Pattern Size: M. OD: 2.6 inch, ID: 1.89 inches, up to 0.080 inches thick.
  - f. Camera Flicker Control / Hz Range: Default: 1,200 Hz. RDM: 25,000 Hz.
6. Control:
  - a. Input Method: DMX-512 via 5-pin XLR connector. Protocols: DMX512, RDM.
  - b. RDM Configuration: Yes.
  - c. User Interface Type: 7-segment 3 button interface.
  - d. Local Control: Yes.
  - e. Onboard Presets: Yes, 12. Onboard sequences: Yes. 5. Onboard effects: No.
  - f. Fixture-to-Fixture Control: Yes.
  - g. 15-bit virtual dimming engine.
7. Electrical:
  - a. Voltage: 100 to 240 VAC, 50 to 60 Hz. Input Method: PowerCON in and thru.
  - B. Inrush, First Half Cycle: 35 A at 120 V. 45 A at 240 V.
  - c. Wattage (Typical / Standby): 166 W / 2.6 W at 120 V. 162 W / 2.0 W at 240 V.
  - d. Current Draw: 1.40 A at 120 V. 0.73 A at 240 V.
8. Thermal: Operating Temperature: 32 to 104 degrees F.
  - a. Fan: Yes. Not controllable. db Range: 202 dBA average at 39 inches.
  - b. Droop Compensation: Yes.
  - c. BTUs/hour: 549.
9. Physical: IP Rating: IP-20.
  - a. Materials: Die-cast aluminum. Colors: Black, white, silver, or custom.

- b. Mounting: Yoke.
- c. Accessories: Hanging yoke, 5 ft power cable.

E. Basis of Design: Mega Lite Spot Bot with 2 Omega Brackets

## Specifications.

### Mechanical Specifications:

Housing:	Nylon Plastic
Power Connection:	Powercon type
Signal Connection:	3 & 5 Pin XLR connectors
Pan Movement:	540° 8/16 BIT
Tilt Movement:	270° 8/16 BIT
Pan Tilt Lock:	Yes
Zoom Angle:	7° - 31°
Static Gobo:	10+ open
Rotating Gobo:	7+ Open bi-directional rotating
Color Section 1:	Red, UV, Dark Blue, Cyan
Color Section 2:	Lime green, Orange, Green, Magenta
Color Section 3:	4925K, 4260K, 3889K, Yellow
Color Mixing:	CYM
Iris:	Adjustable iris
Shutter:	Electronic shutter strobe 18 flash/second
Focus:	Mechanical Focus
Dimmer:	Electronic dimming
Frost:	Mechanical frost effect
Prisms:	8 Facet overlaid prism
Fastening System:	2 Quick release clamp mounts

### Control Systems

Control Protocols:	DMX 512
RDM:	Yes/No
Channel Modes:	2 Modes of operation
	Mode 1: 26 Channel mode
	Mode 2: 21 Channel mode
Display:	LCD Display

### Electrical Specifications:

Light Source:	One 300W LED
Power Supply:	Auto Switch 100V-240V 50/60Hz
Power Consumption:	382 Watts   3.25 Amps

### Size and Weight:

Fixture Size:	17" X 10.25" X 27"
Fixture Weight:	51.25 lb (23.25 kg)
Packaged Size:	25" X 21" X 22.75"
Packaged Weight:	60 lb (27.22 kg)

F. Basis of Design: Lex Products DMX 10' Provide DMX-512 cables for connecting lighting consoles, moving lights, or other DMX controlled accessories

1. Connectors shall be Neutrik 5-pin.
2. Provide 24AWG two twisted pair data cable.
3. Insulation: polyethylene.
4. Nominal Impedance: 100 ohms.
5. Nominal Velocity of Prop.: 78%.
6. Capacitance between conductors: 12.5 pF/ft.