#5 FF 2012.013 Gr. #2

Student Technology Fee Grant Proposal Request Form
Fiscal Year 2011-12 Northwestern State University of Louisiana

81.6

ALL BLANKS MUST BE FILLED COMPLETELY

Prepared by: Paul Pharris_____ For:_Theatre Department_____

Department/Unit:_Theatre___ College: _CAPA_____ Campus: Natchitoches_

Which NSTEP Goals/Objectives does this project meet?_1, 2, 3,6, 8,_____

Requested equipment will be located/installed/housed? Building _25__ Room _100-Full Stage_

Does the department requesting funding receive lab fees? (circle one) YES/ NO

Are department property policies and procedures in place for requested equipment? yes_____

Which individual will be responsible for property control of the requested equipment? Paul Pharris

Signature: _____ Date: _10/30/11_____

Proposal Requested Amount: $_13016.98____ Budget Attached (circle one): YES/NO

Proposal delivered to Student Technology located in Watson Library, Room 113.
Date_10/31/11_

The proposal must include all specifications, description, model number, quotation, cost, state contract number, and vendor for each item. If the proposal does not include all requested information, it will be returned to requestor.

1. Describe target audience.
   - The main audience for this upgrade would be the Majors and Minors of the Department of Theatre and Dance with a Concentration in Design/Technology.
   - Secondly, all Theatre Majors Concentrating in Acting, directing, or Dance will benefit with this upgrades benefits to the lighting of the productions.
   - Third, All individuals that use the A.A. Frederick's space; Greek Life, SAB, and Outside users will have an increased benefit from the production values that this increases.

2. Describe project/initiative for which you are requesting funds.

The Theatre is currently using six sets of three-cell cyclorama lights to cover its white cyc wall; these lights are power inefficient and inefficient in creating color washes that cover the entire wall.

This proposition would be to replace these traditional Tungsten Halogen 3-Cell Cyclorama Lights with single cell Altman Spectra Cyc 100 LED Lights that are both power and color efficient. These LED lights use significantly less power to accomplish the same function as the much larger 3-cell lights allowing for a decrease in power usage throughout the run of shows and events. The LEDs would also last a great deal longer individually than does a Tungsten Halogen lamp; the ability to go years without having to replace 18 individuals lamps every several months, depending on use.

3. State measurable objectives that will be used to determine the impact/effectiveness of the project.

- Improve the theatre curriculum, and improve the technology available in the classroom/ theatre setting.
- Improve our student's education, broaden their production experience, and make our students more competitive in the job market.
- Bolster our recruiting prospects by having specific technology that is being used and innovated in the professional field.

4. Indicate how each project objective will be evaluated.

- This first objective will be evaluated on giving access and use to the students of the LEDs in both class and in the design process.
- Our students go through a yearly review process of their portfolio. They will be evaluated on how well they integrated the new technology into their work, and how well they used the technology through the process.
- These LED will be a featured part of our recruitment speech for students that would like to concentrate in design/technical theatre. We also have several workshops for different organizations and classes; these will play a highlighted role in our discussions.

5. If funded, which NSTEP http://www.nsula.edu/nstep/NSTEP.pdf objective(s) will this funding of this project advance? How will funding of the project advance the University and College/unit technology plan?

Objective 1. To improve access to technology by students, faculty, and staff at Northwestern State University.

LEDs are the next wave in theatrical lighting technology, installing these will give the student specialized knowledge about a growing field in our profession.

Objective 2. To provide classrooms with updated technology and multimedia.

All of our lighting equipment is used for classroom exercises; as well as, being used for student-designed pieces for shows.

Objective 3. To upgrade laboratories with modern technology.

LEDs are becoming common practice in today's theatre.

There are also programming issues for young professionals. Having the ability to train and work with them will create an environment of preparation for the professional world.

Objective 6. To provide a system for maintenance, upgrade, user training, and support of technology that will extend into the future.

LEDs are slowly becoming a workhorse in our industry, giving the students the opportunity to work with them in a controlled environment, will have them prepared to control LED Fixtures as they leave NSU.

Objective 8. To encourage innovation and research.

Student designers are being given a new tool to work with while creating their designs, a tool that they can use to explore new techniques and manipulate light in new ways.

6. Provide a justification for funding of this project. Estimate the number of student that will be served per academic year and in what ways. Please indicate also any unique needs of the target group.

- LED fixtures are slowly becoming a major fixture in the theatre lighting world. At the past USITT, United States Institute for Theatre Technology, conference in Charlotte, most of the lighting manufacturers spent an inordinate amount of time discussing the qualities of LEDs and where they are going in the next decade. This new type of equipment affects Lighting technicians specifically, but the quality of light they give off and the specific qualities that LED fixtures possess influence all of the other design aspects as well as working in the visuals of the shows.

  The Altman Spectra Cyc 100 is a specific type of fixture that allows for color and coverage of the largest scenic structure in the theatre, the cyclorama drop. Its white surface offers the chance for designers to mix and match individually controlled instruments. Each individual fixture would replace our current 3-cell cyc light. The 3-cell cycs can have three colors and match between those three; a Spectra cyc has LED color mixing; using RGB LEDs to achieve an even color mix.
  - All of these features make having a Spectra Cyc a strong part of a lighting inventory that our students can use.
  - The Proposed Fixtures enhance the department in several ways:
    - Strengthens our lighting curriculum by expanding the technology used in several different theatre course.
      - THEA 3330- Lighting for the Stage
      - THEA 4430-Lighting Design for the Stage.
      - THEA 2030- Applied Theatre
    - The new functionality of the cycs would improve our main stage and student run second season production by improving the light equipment that is available to the designers, It will also affect the shows and events that are being brought into the space by outside parties by giving a more dynamic quality of light that plays as a back drop to most events.
    - It enhances our facilities, which enables the theatre Department to recruit more students with the skills and abilities expected in the professional world of theatre.
    - Besides simple improvements these LED fixtures are energy efficient.
      - At this Current time the price of one-kilowatt hour is 8.29 cents.(SWEPCO)
        - At our current consumption rate with our cyc lights on at full, they draw 27000 watts. The LED Cyc Lights pull 100w individually and would draw 800 watts together.
      - Factoring in the time for rehearsal and performances time, it costs around $80.61 per show and $312 for the run of a 4-show season. The LED cycs cost $2.40 a show and $9.60 for that same 4-show season.
      - So in the same year the LED cycs would save $302.40.

- Approximate Number of Students served per academic year:
- Students assigned a position on a main stage Production-80 per show- 400 positions per year
- Students Taking class that would utilize the LED cyc Lights- All theatre Majors.- 150 per year
- Students in the audience-1000 per production- 4000 per year.
- Students in the Audience- Other Events- 3000 per year

7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project.

- Paul Pharris- Asst. Professor/ Facilities Director- Lighting Design
- Phillip Kidd- Asst. Professor- Scenic Design
- Nicholas Frederick- Facilities Manager- BS in Theatre; Design/ Tech concentration
    - Asst. Professors hold terminal Degrees in Theatre Design and Technology which certify their competency
    - Nicholas Frederick is Facilities Manager and has proven ability using all forms of technology.

8. Describe any personnel (technical or otherwise) required to support the project/initiative.

No additional personnel is needed for this project

9. Provide a schedule for implementation and evaluation.

- January 2012- Order Equipment
- February 2012- Install equipment. Equipment will be usable as soon as it is installed.
- Evaluation
- Students Using the LED cyc lights in Class will be evaluated on their individual work performance.
- Students using the LED cyc lights for production will be monitored for their ability to use the equipment for their production assignments.

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.

Life expectancy

- This equipment should not need any upgrades in the next 5 years.
- Any software upgrades associated with the LED cyc lights would be for the control console, and not specifically for the fixtures themselves.

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Technology Fee.
If you are requesting equipment that will be either/or checkout to students or moved within the department, you must provide a checkout/loan policy.

All of the Altman Spectra Cyc 100 fixture will be hung from a batten in the A.A. Frederick's Theatre space; the batten will constantly be 20+ feet off of the stage floor. All of the Theatre doors are checked and locked before the space is left for the night to protect all of the equipment that is housed in the theatre.

12. Does the department that is requesting equipment receive lab fees? If so, please provide a justification for requesting funds from tech fee funds over using lab fees from your department. The Theatre Department does receive lab fees, but they are used for our Student Computer Lab. This project provides equipment with a specialized function, and fulfills the goals of NSTEP Objective 9
13. Attach a detailed budget. see attachment

Attach two (2) letters of support for the project from the following individuals: the requesting department's Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests).

Student Technology Fee Grant Proposal Checklist:

_____ Is all information requested provided (items 1 – 13)?
_____ Is a detailed budget attached?
_____ Is all specifications, description, model number, quotation, cost, state contract number, and vendor provided for each item?
_____ Are your two (2) letters of support attached?
_____ If equipment is to be checked-out/loaned, is your policy attached?

Budget- All Items are priced through Barbizon Lighting. 972-416-9930

Fixture

Altman Spectra Cyc 100- Altman Lighting

-LED Cyc Fixture

- 100 Watt

-DMX Controlled

-RGB Color Mixing

-$1436.00 per fixture

Fixture Total: $11,488.00

Accessories

SS-Yoke –BK-Altman Lighting- 8

-For Spcetra Cyc 100

-Black

-$36.00 per yoke

Iron Pipe Clamp(C-Clamp)-Altman Lighting-8

-For Spectra Cyc 100

-$8.65 per clamp

MUTT Handle-MUT Enterprises-8

-$3.75 per handle

Accessories Total: $387.20

Information Transfer

DMX512 Isolated Splitter/Amplifier- Doug Fleenor Design

-Amplify and Split a digital signal to multiple points

-$752.64

DMX 5-pin Cable, 10'- LEX Data Products-8

-$28.40 per cable

DMX 5-pin Cable, 50'- LEX Data Products-3

-$41.73 per cable

DMX Terminator-3

-$12.25 per terminator

Information Transfer Total: $1141.78

Project Total: $13016.98

BARBIZON LIGHTING COMPANY

www.barbizon.com

Quote R12294

BARBIZON LIGHT
2225 E. BELTLINE RD., SUITE 309
CARROLLTON, TX 75006

REMIT TO:
BARBIZON LIGHT OF THE ROCKIES, INC.
8269 E 23RD AVE, SUITE 111
DENVER, CO 80238

Order Number: 0178362
Order Date: 10/25/2011
Required By: 12/24/2011
Customer Number: NORTH12

Phone: 972-416-9930
Fax: 972-416-9924

Sold To:

NORTHWESTERN STATE UNIVERSITY
ST DENIS HALL
NATCHITOCHES, LA 71497

Ship To:

NORTHWESTERN STATE UNIVERSITY
ST DENIS HALL
NATCHITOCHES, LA 71497

ATTN: PAUL PHARRIS

Customer P.O.	Ship VIA	Entered By	Terms	Pmt Type	EST. SHIP DATE
QUOTE	UPSG	TDPS	NET 30		12/24/2011

Item Number	Warehouse	Bin	Ordered	Price	Amount
ALTSS-CYC-100-B ALTMAN SPECTRA CYC 100 BLACK - INCLUDES SAFETY ALTMAN SPECTRA CYC 100	DS		8.000	1,436.000	11,488.00
ALTSS-YOKE-BK ALTMAN SPECTRA SERIES LED CYC YOKE W/HARDWARE FOR 1 CELL ALTMAN SPECTRA SERIES LED CYC	DS		8.000	36.000	288.00
ALT510 ALTMAN C-CLAMP ALTMAN C-CLAMP	DS	W33C	8.000	8.650	69.20
DFD125 DMX ISOLATION AMPLIFIER & SPLITTER ONE INPUT, FIVE OUTPUT 5-PIN	DS		1.000	752.640	752.64
5DATA10 10' 5 PIN DMX DATAPLEX CABLE WITH SILVER CONNECTORS	000	W53D	8.000	28.400	227.20
5DATA50 50' 5 PIN DMX DATAPLEX CABLE WITH SILVER CONNECTORS	000	W53D	3.000	41.730	125.19
5DATATERM 5 PIN XLR DATA TERMINATOR	000	T1B	3.000	12.250	36.75
MUTT MUTT HANDLE/PINHAND	DS	G2C	8.000	3.750	30.00

SHIPPING CHARGES NOT INCLUDED IN THIS QUOTATION.

Continued

BARBIZON LIGHTING COMPANY

www.barbizon.com

Quote

BARBIZON LIGHT
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CARROLLTON, TX 75006

REMIT TO:
BARBIZON LIGHT OF THE ROCKIES, INC.
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Customer P.O.	Ship VIA	Entered By	Terms	Pmt Type	EST. SHIP DATE
QUOTE	UPSG	TDPS	NET 30		12/24/2011

Item Number	Warehouse	Bin	Ordered	Price	Amount

THANK YOU FOR THE OPPORTUNITY TO QUOTE!

QUOTATION VALID FOR 30 DAYS
FREIGHT NOT INCLUDED IN TOTAL

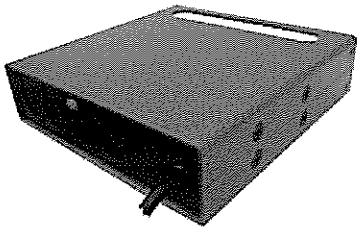
Net Order:	13,016.98
Freight:	0.00
Sales Tax:	0.00
Order Total:	13,016.98

121Q	4	6.5" deep, 1.7" high, 16" wide	6.5 pounds
123	3	6.5" deep, 1.7" high, 6.5" wide	2.6 pounds
125	5	6.5" deep, 1.7" high, 8.25" wide	3.3 pounds
1211	11	6.5" deep, 1.7" high, 16" wide	6.5 pounds
		(19" rack mount kits are available for all above models)	

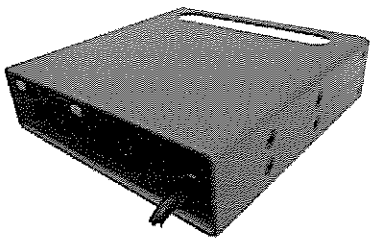
DMX512 Isolated Splitter -- Selected Features

The following information is provided to assist you in determining if the DMX512 Isolated Splitter would be of benefit in your installation. If you have any questions, please feel free to call, write, or FAX us.

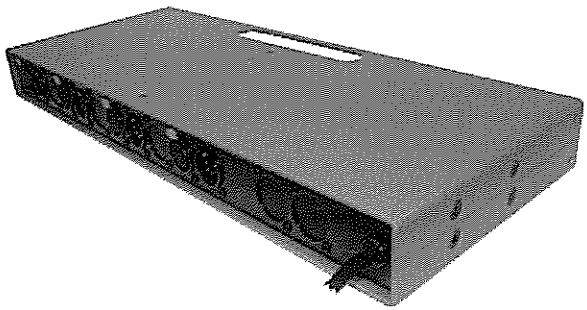
FEATURE	BENEFIT
Input is electrically isolated from output.	Console is protected from failed dimmers, lightning damage, and any other cause of high voltage on the control cable.
Outputs are isolated from each other.	Color changers, moving lights, other dimmers are protected from each other.
Outputs are separately buffered.	Reflections, short circuits, etc. on one output cannot affect another output.
No user adjustments.	Easy "fool proof" installation.
DMX pinouts are printed on the splitter	Assists in proper control wiring.
Powder coated 1/10" aluminum chassis.	Rugged and attractive for years of service.
Gold plated Neutrik 5 pin connectors.	Assures reliable connections.
All integrated circuits are socketed.	Eases field service.
Uses 2500 Volt optical couplers.	Easily isolates line voltage failures. Usually withstands electrical storm damage.
Forty times faster than DMX data rate.	Reliable, high speed data throughput. Units can be cascaded.
"Air gap" circuit board under isolator.	Prevents arcing across circuit board.
60 mA drive current.	Reliably drives long control cables.
Power and input signal indicators.	Simplifies system trouble shooting.
Mr. Fleenor is active in ESTA, PLASA, and USITT.	Products are designed to latest specifications.
In the lighting industry since 1979.	We'll be here if you need us.
5 year warranty.	Peace of mind.



121 Rear



121D Rear



121Q Rear

Isolation of the console from the dimmers is desirable because device failure in one of the dimmers can place damaging voltages on the control cable. Without an isolator between the dimmers and the console, this voltage can cause extensive damage to the console's microprocessor circuits. With an isolator in place, damage, if any, is restricted to the isolator. Electrical storms can also induce damaging voltages on control cables. Barring a direct strike to the system,

Dimming & Control - Control Cables - 5 pin DMX - Lex Data Products™ DMX-5P-10

Lex Data Products™ DMX-5P-10 DMX Cable, 5-pin Neutrik Black/Gold XLR, 10'

Catalog # DICO-1522

Lex Data Products™ DMX-5P-10 DMX Cable, 5-pin Neutrik Black/Gold XLR, 10'

- 2 Pair & Shield, 22 AWG
- Black Polyurethane jacket Heavy duty tour-grade polyurethane jacket offers dependability and long life
- Rugged Neutrik black/gold connectors provide most reliable long-lasting connections
-
- Water and UV resistant, suitable for outdoor use
- Name and/or color code application available
- Extra flexible for ease-of-use

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Dimming & Control - Control Cables - 5 pin DMX - Lex Data Products™ DMX-5P-50 DMX Cable

Lex Data Products™ DMX-5P-50 DMX Cable, 5-pin Neutrik Black/Gold XLR, 50'

Catalog # DICO-1520

Lex Data Products™ DMX-5P-50 DMX Cable, 5-pin Neutrik Black/Gold XLR, 50'

- 2 Pair & Shield, 22 AWG
- Black Polyurethane jacket Heavy duty tour-grade polyurethane jacket offers dependability and long life
- Rugged Neutrik black/gold connectors provide most reliable long-lasting connections
-
- Water and UV resistant, suitable for outdoor use
- Name and/or color code application available
- Extra flexible for ease-of-use

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DMX Terminator, 5-pin XLR

Catalog # DICO-0477
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A DMX Terminator must be plugged into the last outlet of a DMX daisy chain circuit in order for it to function properly.

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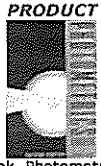

Book, Photometrics Handbook, 2nd Edition

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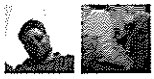

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MUT Enterprises, Inc. MUT Handle

0.0/5 rating (0 votes)

Description

MUT Enterprises, Inc.
MUT Handle

Angstrom Price: $3.50 ea.
List Price: $3.50

Save time and money while improving safety with the Mut Handle!

The Mut Handle safely and securely tightens all c-clamp bolts without the need for any additional tools. Since there's no need for a wrench, you don't have to worry about it being dropped onto co-workers accidentally. In addition, the handle prevents over tightening of the bolt which causes undue stress on the c-clamp and can lead to premature breakage. The Mut Handle also saves time and money because there is no need to waste precious time searching for or fumbling with a wrench. Therefore, fixtures can be installed and removed faster and more efficiently versus using a wrench.

Angstrom Lighting offers the best stage lighting, theater or theatrical lighting, concert lighting, dj lighting, video lighting, party lighting, event lighting and lighting rental fixtures, lighting supplies, lighting equipment, lighting design and lighting education in the industry.

Don't go without the Mut handle. Order your MUT Handles today!

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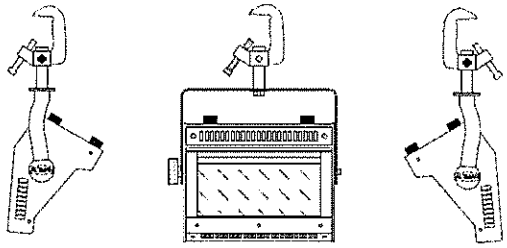
837 N. Cahuenga Blvd, Hollywood, CA 90038

THEATRICAL/ARCHITECTURAL**LIGHTING**

Catalog Number
SS-CYC-100*



Shown w/ optional one cell yoke Pt # **SS-YOKE-***

Fixture Type:

The Spectra Cyc is a 100 Watt cyclorama/ wall wash luminaire utilizing red, green, blue and amber LED emitters. Designed for theatrical and architectural applications, the Spectra Cyc blends colors via a patent pending LED lens which reduces pixelization from direct view. The on board power supply allows for direct power & data input which can be daisy chained thru 6 units. Designed for use on 8' centers maximum, individual units can be linked side by side for greater saturation of light. The Spectra Cyc is compatible with both DMX and RDM protocols, and comes complete with a library of pre-programmed single colors to various color mixes. Units are made for floor or Sky-Cyc applications.

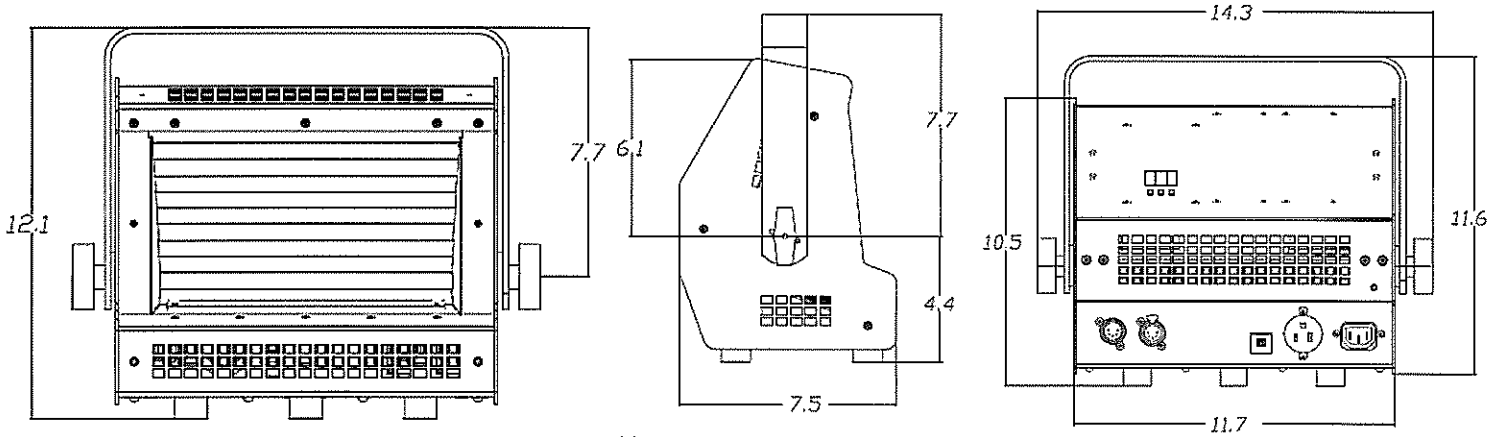
IES photometric files & instruction manual available online at **www.altmanlighting.com**

Specifications subject to change without notice.

100 WATT
Spectra Cyc 100

Features:

- Red, Green Blue & Amber Luxeon Rebel LED's
- Patent pending LED blending lens
- A-Symmetrical reflector, computer designed for broad even light distribution
- On board multi-voltage power supply; 100-240 VAC
- Feed thru data & power capabilities
- Compatible with DMX and RDM protocols
- Push button addressing
- Pre-programmed modes for fixed colors, timed color changes and strobes.
- Laser Cut sheet aluminum housing
- Weight: Approx; 11 lbs. (4.99 kg)
- ETL, cETL & CE listed
- Made in the USA



Measurements in inches

ALTMAN Lighting, Inc.
BRINGING IMAGINATION TO LIGHT

SPECTRA Series LED

Specifications:

Materials: Construction employs all corrosion-resistant materials and hardware.

Housing: Lightweight aluminum fabrication.

Light Engine: Luxeon Rebel LED's– 100 Watts Max at full RGBA

Reflector: Proprietary curve, specular aluminum

Rating: Multi-Voltage; 100-240 volt AC operation

Data Ports: 1 Male & 1 Female flush mount 5 Pin XLR

Power Cable: 6' total length w/ molded Edison plug

AC Out: Flush mount female Edison for feed thru power to other Spectra Cyc units only. Max 6 x Spectra Cyc's per power daisy chain

Fuse: 10amp push button circuit breaker.

Finish: Black, White or Silver TGIC polyester, electrostatic application. Custom colors available

Weight: Approx. 11 lbs. (4.99 kg)

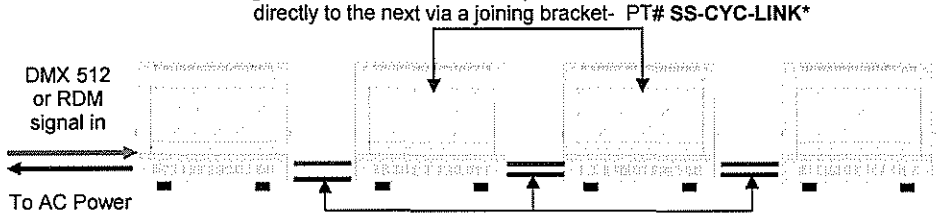
Catalog Number

SS-CYC-100-*

Part Number: SS-CYC-100-*	
Model	Color*
SS-CYC-100-*	BLACK
	WHITE
	SILVER

Additional Accessories	
SS-YOKE-*	One Cell yoke kit w/ hardware kit
510	Malleable Iron Pipe Clamp
SS-CYC-SHEILD	Spectra CYC LED safety shield
SS-CYC-LINK-*	Spectra CYC Link plates w/ hardware
SC-36-BK	36" Black Safety Cable w/ spring clip
XLR-5-5	5' 5 Pin DMX extension cable
XLR-5-10	10' 5 Pin DMX extension cable
XLR-5-25	25' 5 PIN DMX extension cable
99-DMX-TERM	In line 5 Pin DMX 120 ohm terminator

Maximum recommended spacing is 8' on centers, 2-4' back from lighted area. For a brighter more saturated effect, Spectra CYC's can be set closer or linked directly to the next via a joining bracket- PT# **SS-CYC-LINK***



A DMX-512 Terminator must be installed on the last fixture in the chain

Feed thru data & power capabilities for up to 8 Spectra CYC's 100's

DMX jumper cables sold separately

Spectra CYC Photometric Data

WHITE

Illuminance at a Distance	Center Beam FC	Beam Width	
1.7ft	52.16 fc	1.1ft	2.9ft
3.3ft	13.04 fc	2.3ft	5.8ft
5.0ft	5.80 fc	3.4ft	8.7ft
6.7ft	3.26 fc	4.6ft	11.6ft
8.3ft	2.09 fc	5.7ft	14.5ft
10.0ft	1.45 fc	6.9ft	17.4ft

Vert. Spread: 38.0° Horiz. Spread: 82.2°

RED

Illuminance at a Distance	Center Beam FC	Beam Width	
1.7ft	16.31 fc	1.1ft	2.9ft
3.3ft	4.08 fc	2.3ft	5.8ft
5.0ft	1.81 fc	3.4ft	8.7ft
6.7ft	1.02 fc	4.6ft	11.6ft
8.3ft	0.65 fc	5.7ft	14.5ft
10.0ft	0.45 fc	6.8ft	17.4ft

Vert. Spread: 37.8° Horiz. Spread: 82.0°

GREEN

Illuminance at a Distance	Center Beam FC	Beam Width	
1.7ft	60.80 fc	1.1ft	2.9ft
3.3ft	15.20 fc	2.3ft	5.8ft
5.0ft	6.76 fc	3.4ft	8.8ft
6.7ft	3.80 fc	4.6ft	11.7ft
8.3ft	2.43 fc	5.7ft	14.6ft
10.0ft	1.69 fc	6.9ft	17.5ft

Vert. Spread: 37.8° Horiz. Spread: 82.4°

BLUE

Illuminance at a Distance	Center Beam FC	Beam Width	
1.7ft	5.80 fc	1.2ft	2.8ft
3.3ft	1.45 fc	2.3ft	5.6ft
5.0ft	0.64 fc	3.5ft	8.5ft
6.7ft	0.36 fc	4.6ft	11.3ft
8.3ft	0.23 fc	5.8ft	14.1ft
10.0ft	0.16 fc	7.0ft	16.9ft

Vert. Spread: 38.4° Horiz. Spread: 80.5°

AMBER

Illuminance at a Distance	Center Beam FC	Beam Width	
1.7ft	56.41 fc	1.1ft	2.9ft
3.3ft	14.10 fc	2.3ft	5.8ft
5.0ft	6.27 fc	3.4ft	8.7ft
6.7ft	3.53 fc	4.6ft	11.6ft
8.3ft	2.26 fc	5.7ft	14.5ft
10.0ft	1.57 fc	6.9ft	17.4ft

Vert. Spread: 37.9° Horiz. Spread: 82.0°

ALTMAN Lighting, Inc.
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Altman SS-YOKE-BK Yoke for Spectra Cyc 100

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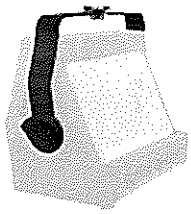
ALTMAN



Shown in Alternate Color or Finish

IMAGE ZOOM

Product Highlights
- Black Finish

B&H # ALYSC100B
Mfr# SS-YOKE-BK

write a review

Price: $34.50

Calculate Shipping

USUALLY SHIPS IN 7-10 DAYS

Item will be drop shipped directly from the manufacturer/distributor. Item is non-cancelable and non-returnable. Usually ships in 7-10 days (subject to availability).

1 ADD TO CART

ADD TO WISHLIST

What item is right for you?
Ask our Experts!
800.606.6969 Live Chat

Overview | Accessories

The **Altman SS-YOKE-BK Yoke for Spectra Cyc 100** is a mounting yoke designed for the Altman Spectra Cyc 100 LED lighting fixture, allowing the light to be mounted on a grid or on a stand. In black.

Essential Accessories What's in the Box

Stands & Support Equipment

Altman - Malleable Iron Pipe Clamp
Price: $8.40

view more Add to Cart | Add to Wishlist

Grip & Gaffer Gear

General Brand - Clothes Pins
Price: $3.50

view more Add to Cart | Add to Wishlist

What's in the Box

Altman SS-YOKE-BK Yoke for Spectra Cyc 100
- 1-Year Limited Warranty

See any errors on this page? Let us know.

Altman Malleable Iron Pipe Clamp

ALTMAN

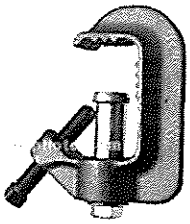


IMAGE ZOOM

Product Highlights

- C-clamp for Altman Pars, Scoops, Sky Cyc, Q-Lites, Strips

B&H # AL510
Mfr# 510

(2 reviews) write a review

Price: $8.40

Calculate Shipping

IN STOCK

1 ADD TO CART

ADD TO WISHLIST

What item is right for you?
Ask our Experts!
800.606.6969 Live Chat

Overview | **Customer Reviews** | **Accessories**

This **Altman 510 Malleable Iron Pipe Clamp** is a C-clamp that enables attachment of almost any light fixture with a flat blade yoke to an overhead pipe or tubular truss.

It adjusts to pipe diameters 0.75" - 1.5", and includes a 0.5"-13 fixture attachment bolt.

Essential Accessories What's in the Box

System Extensions

Rip-Tie - CableWrap 1.0 x 6.0" (10 Pack) (Black)
Price: $19.95
Add to Cart | Add to Wishlist

Grip & Gaffer Gear

General Brand - Gaffer Cloth Tape - Matte Black
Price: $4.95
view more Add to Cart | Add to Wishlist

What's in the Box

Altman Malleable Iron Pipe Clamp

- 0.5"-13 Fixture Attachment Bolt
- One Year Manufacturer's Warranty

See any errors on this page? Let us know.

DOUG FLEENOR DESIGN

DMX512 Isolated Splitter / Amplifier

model: 121, 121D, 121Q, 123, 125, 1211
technical data sheet

The DMX splitter is available in three standard configurations: three, five, or eleven outputs from a single DMX input. An enhanced five output splitter with lightning and miswiring protection, and a universal power supply is also available (see the 125EE data sheet). Units with any number of inputs and outputs may be manufactured on a custom basis.

Each output is electrically isolated from the input, and from every other output, by 2500 volt optical couplers. Each output has its own line driver and associated power supply.

Single output units, for amplification and isolation without splitting, are also standard products. Model: 121 (one universe), 121D (two universe) and 121Q (four universe) are pictured below. The DMX splitter allows connection of DMX receivers (dimmers, color changers, moving lights, etc.) in a *star* configuration as opposed to a *daisy chain* configuration. In a star configuration, each control cable is run to a central point, in this case the splitter. In a daisy chain configuration all the devices are connected on one control cable, the output of one feeding the input of the next. It is not good practice to simply split a DMX control cable using a "wye" cable as this can cause signal corruption due to reflections. Typical uses of the splitter include splitting the control signal between stage right and stage left dimmers, running an isolated split to a string of color changers, splitting and isolating a feed to a wall outlet for temporary or rented dimmers, isolating a stack of dimmer packs from each other, etc. If you would like assistance in your application, please give us a call. We like to talk with our customers.

c UL us

SPECIFICATIONS: All specifications meet or exceed DMX512 requirements

Input circuit:	EIA-485 receiver with 120 ohm termination resistor between +Data and -Data (Units with feed through connectors do not have internal termination)
Input signal:	0.2 volts minimum, 12 volts maximum
Output circuit:	EIA-485 driver
Connectors:	Gold plated 5 pin Neutrik D-1 Series (3 pin connectors or terminal blocks optional)
Feed through:	A non-isolated feed through connector is standard on the eleven output model and is optional on the one, three, and five output models.
Isolation:	2500 volt optical coupler, 1500 volt split bobbin transformer
Power input:	100 - 120 volts, 50/60 hertz, 12 watts (208 - 240 volt optional)
Color:	Top, bottom and sides: Silver hammer tone Front and back: Black

MODELS

model: #	Outputs:	Size:	Weight:
121	1	6.5" deep, 1.7" high, 6.5" wide	2.1 pounds
121D	2	6.5" deep, 1.7" high, 8.25" wide	3.3 pounds

NORTHWESTERN STATE
University of Louisiana

Natchitoches, LA 71497

Mrs. H. D. Dear, Sr. and Alice E. Dear
School of Creative and Performing Arts

Music	(318) 357-4522
Art	(318) 357-5744
Theatre	(318) 357-4483
FAX	(318) 357-5906

October 31, 2011

To whom it may concern:

Please accept this letter of support for Northwestern Theatre and Dance's request for 2011/2012 Student Technology Grants. If approved, we would be allowing our students to start taking steps into a new technology, a technology that is becoming more and more prevalent within the theatre community. By opening up this avenue of technology, we become an improved department; improved in the skills that our students learn and improved in what our department has to offer others. As we strive to be a leading department in the area for theatre and dance. These improvements will help us to stand out. These new technologies that we bring in will also help with recruiting as we offer training not seen in many schools. Our students would be given the most benefit, being given professional training before going into the professional setting.

The requested technology will supplement our training of theatre /dance students within our program, but also provide our University and local community audiences a chance to view productions incorporating the latest trends in theatre technology. Technology such as this is used in current Broadway and professional theatre and event centers across the country. Incorporating this technology into Northwestern Theatre and Dance productions will only improve the positive opinion of our program within the University and local communities.

Again, the Northwestern Theatre and Dance program hopes the Approving Committee will look favorably at our proposals and provide funding which in turn, allow our program and the University to become the leading Theatre and Dance training program in the region. If I can be of further assistance in the matter, please don't hesitate to contact me.

Sincerely,

Bill Brent
Director, School of CAPA

NORTHWESTERN STATE

College of Arts, Letters, Graduate Studies and Research
Office of the Dean

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F 318.357.4255
liberalarts.nsula.edu

The Graduate School
(318) 357-5851

Louisiana Scholars' College
318-357-4577

School of Creative and Performing Arts
318-357-4522

Department of Criminal Justice, History and Social Sciences
318-357-6967

Department of Social Work
318-357-5493

Department of Language and Communication
318-357-6272

Department of Psychology
318-357-6594

October 31, 2011

TO WHOM IT MAY CONCERN:

The NSU Department of Theatre and Dance is submitting several applications for funding through the Student Technology Committee. It is with pleasure that I support their request, and I hope that the committee will give its applications a close and careful review.

The School of Creative and Performing Arts is dedicated to training the artist of the next generation, and constantly strives to improve the education that is available to its students. In order to maintain these goals, funding for this grant application will help ensure that we continue to provide the experiences that our students need.

Over the past several years, a great deal has been invested in strengthening our Theatre and Dance program at NSU; even with our financial situation, we continue to growth. Funding of this grant will be a strong indicator of our continued support of the Theatre and Dance program and recognition of the quality of work it creates.

Thanks you for your consideration of this grant application and your continued support of the NSU Theatre and Dance program. Should you have any questions concerning this, please do not to hesitate to contact me.

Sincerely,

Steven G. Horton

Steven G. Horton, Ph.D.
Vice Provost and Dean
Professor of Education