

Excellence in Undergraduate Education (EUE) Proposal**Project ID# (leave blank)**

26-7

Project Title

Achieving the Industry Standard in Ellipsoidal Instrumentation in the Metcalf Student Experimental Theater

Project Director**ID Number****Telephone****Email**

800688993

Department**Campus Box****School College**

Theater and Dance

DH 1056

Arts and Sciences

Course or Program

THEA 170, THEA 370, THEA 199, Student Experimental Theater Organization, Black Theater Workshop

Project Co-Director**ID****Department****Email****Student Impact:**

150 direct, 400 indirect

Priority Rating (If Submitting Multiple Proposals):**Project Budget**

Salary	Wages	Travel	Equip.	Comm	CServ	Auto	Tele	Awards	Total
			19548						19548

Cost-Sharing

Salary	Wages	Travel	Equip.	Comm	CServ	Auto	Tele	Awards	Total
			4000						4000

Prior EUE Support

Project Director	Project Number	Award Amount	Project Dates
		0 (see below)	June 2020
		\$11250 Award Announced, \$0 Actually Awarded	

Applicable 2024-2025 Priorities (check all your proposal fits, if any):

- ☐ Course redesign project that uses inclusive, student-centered pedagogies to address equity gaps, improve student learning outcomes, & enhance retention
- ☒ Project involves courses that have high number of sections, a high ratio of D/F/W grades, or key required courses with high enrollments and opportunities to improve equitable student success
- ☒ Development or revision of IS courses with alignment to a specific Changemakers Pathway, integration of high-impact teaching practices, and either collaborative learning or community-engaged learning component.

Achieving the Industry Standard in Ellipsoidal Instrumentation in the Metcalf Student Experimental Theater

Section 2: Summary and Narrative

Project Summary

We propose that the Century Strand ellipsoidal fixtures in the Metcalf Student Experimental Theater be updated to the contemporary industry standard in theatrical illumination, the ETC Source Four ERS. In FY20, this replacement was granted an EUE award. Unfortunately, the funding was lost for all EUE awards of that year. This means that this area while awarded an EUE has not been funded by a previous EUE. Responding to the feedback when the award was originally granted, I am updating the request to have both incandescent and LED ETC Source Four ERS fixtures in our request. This will allow for updating the learning experiences of the students giving them access to LED ellipsoidal fixtures in the Metcalf Student Experimental Theater. The Metcalf Student Experimental Theater supports wonderful high impact learning experiences for our students. Part of supporting these high impact experiences is maintaining the equipment where they happen.

The current lighting fixtures in the Metcalf Student Experiment Theater are outdated, dim, and discontinued. Repeatedly student designers have come to the faculty hoping to borrow equipment from other buildings on campus because the equipment in the Metcalf Theater is so outdated and insufficient. These lighting fixtures were designed to be used by the primarily adult,

male work crews of the 1980s and are found to be difficult to move by our diverse classrooms of today.

Ultimately, we are looking to give our students the tools that will best prepare them to participate the field as professional artists and educators. Our students seek to gain an education in theater technology yet face a creative practice lab they know to be filled with outdated equipment. Updating these lighting fixtures would improve the quality of our students' experience in student driven projects, their hands on learning during department productions, and their lab experience in the classroom. This is the theater used by two important communities in our department: SETO, the Student Experimental Theater Organization, and Black Theater Workshop, a 25-year-old institution producing works by Black artists on our campus. These high impact learning experiences don't happen at Metcalf Theater if the lights don't turn on.

Finally, having equipment that does not feel outdated will make our students needs feel valued.

Project Narrative

Current Situation

The Metcalf Student Experimental Theater is a space filled with opportunities for student driven projects and involvement. This space embodies high impact learning through valuable hands on learning experiences, student creative experimentation, and the valued creative communities of Black Theater Workshop and the Student Experimental Theater Organization.

Each year, approximately fifty students' complete coursework or gain hands on learning opportunities through participating in two studio departmental productions. Students use the lighting in the Metcalf Theater to produce individual and group pieces for their senior projects.

Each semester, students in the club SETO use the lighting fixtures in this space to produce full length productions giving hands on learning opportunities to approximately forty students. Each Spring, the Metcalf Theater is used by the students in Black Theater Workshop to produce works by Black Artists. Each year, the Metcalf Student Experimental Theater is additionally used for Xfest, an opportunity where students use the lighting fixtures alongside local, regional, national, and international professionals in the field. These instruments are used by student and faculty artists, designers, and directors as they collaborate to produce creative works for audiences of both the local and SIUE community.

To a contemporary eye, the Century Strand instrumentation currently in the Metcalf Theater reads as dull and dim. To my colleagues in the sciences perhaps imagine only having compound microscopes instead of a scanning electron microscope. The current lighting fixture are difficult to move and adjust requiring significant upper body strength. They are grossly outdated (See Appendix A: Strand Century Guide from 1985 and Appendix B: Discontinued Notice.) These instruments will be utilized during practical theater lighting lab experiences filled with active hands-on learning.

The students in the classroom today are more diverse than the crews expected to use the equipment currently in place. While setting up lighting with students, Jim Wulfsong had to join students focusing this type of instrumentation because the students did not have the strength necessary to adjust the fixtures. This interaction brought great frustration to the students hoping to learn how to focus lighting instruments. If educators have classes of students with varying upper body strength, then we require teaching tools that match that variety of strength abilities. Quite frankly, the theater crews of 1985 were not as gender diverse as the crews of today.

Proposed Project

We propose that the Century Strand ellipsoidal fixtures in the Metcalf Student Experimental Theater be updated to the contemporary industry standard in theatrical illumination, the ETC Source Four ERS. In FY20, this replacement was granted an EUE award. Unfortunately, the funding was lost for all EUE awards of that year. This means that this area while awarded an EUE has not been funded by a previous EUE. Responding to the feedback when the award was originally granted, I am updating the request to have both incandescent and LED ETC Source Four ERS fixtures in our request. This will allow for updating the learning experiences of the students giving them access to LED ellipsoidal fixtures in the Metcalf Student Experimental Theater. The Metcalf Student Experimental Theater supports wonderful high impact learning experiences for our students. Part of supporting these high impact experiences is keeping equipment where they happen up to date.

Stated best by Richard Pilbrow, a Broadway lighting designer and world-renowned theater consultant, “Led by ETC and Dave Cunningham, the Source Four sets new standards in efficiency and ease of handling.” These instruments will be utilized during practical theater lighting lab experiences filled with active hands on learning. Utilizing dichroic filters, these fixtures are cooler to the touch and easier for students to handle. Additionally, students will be able to adjust the lighting with greater ease, success with these new fixtures’ improved maneuverability and lens configuration. The results of this update would be implemented and felt immediately. As soon as the lighting instruments arrive, they would be used in the next student project in the space.

Ultimately, we are looking to give our students the tools that will best prepare them to participate the field as professional artists and educators. Our students seek to gain an education

in theater technology yet face a creative space they know to be filled with outdated equipment. Updating these lighting fixtures would improve the quality of our students' designs in productions and their educational experience. Students would get to learn to use the industry standard as it is utilized by those working in the industry. This is the theater used by two important communities in our department: SETO, the Student Experimental Theater Organization, and Black Theater Workshop, a 25-year-old institution producing works by Black artists on our campus. These high impact experiences don't happen at Metcalf Theater if the lights don't turn on.

Finally, having equipment that does not feel outdated will make our students' needs feel valued.

Evaluation and Dissemination

To evaluate the effectiveness of these changes, we will begin by listening to our students who work directly with the new instrumentation. We will have our student crews evaluate the ease of handling the new equipment with anonymous surveys. We will have our student designers share written responses to how the new equipment affects their ability to realize their designs. We will reach out to the student organizations who use the space for their projects and give them the opportunity to share feedback as to the quality of instrumentation in the space. Finally, all faculty who mentor and teach how to utilize the lighting instrumentation in the Metcalf Student Experimental Theater will submit a written response evaluating the instrumentation and how it affects the pedagogical practices in the space at the end of the academic year in which the new equipment is acquired.

Project Budget

Metcalf Student Experimental Theater 2020 Inventory

Stock that was no longer functional has been sent to Surplus,
but these numbers represent what the space has historically held in stock

Fixture Type	# of Fixtures
Strand Century 6x9	32
Strand Century 6x12	13
Berkey Colortran 20°	7
Strand Centruy 4.5x6	13

Requested Mixed Purchase of LED and Incandescent Fixtures

Inventory	Fixtures to I Replacement	# Purchased	Total Cost Per Fixture	Cost of System
Strand Century 6x9	Source 4 Colorsource Spot V (LED) 36 Degree	9	\$ 1,556.00	\$ 14,004.00
Strand Century 6x12	Source 4 Incandescent 26 Degree Fixtures	9	\$ 616.00	\$ 5,544.00
Berkey Colortran 20°		0		\$ -
Strand Centruy 4.5x6		0		\$ -
Overall Purchase Cost				\$ 19,548.00

Biographical Sketch: [REDACTED]

[REDACTED] is a theatrical designer who worked in both Chicago and Kansas City prior to joining the lovely faculty, staff, and students at SIUE. A native of St. Louis, she is delighted to have returned to the area of her home town. She teaches the next generation of theater designers and technicians: lighting design, theatrical electrician methods, and stage management. As the Department of Theater and Dance Facilities Manager, she manages the department's performance and rehearsal venues. As the Light Shop Manager, she oversees the lighting equipment installations used in Dunham Hall Theater and the Metcalf Student Experimental Theater.

Some of her favorite productions to have worked on were:

Horse Power: Tom Bass' American Story at Coterie Theater in Kansas City, MO

Am I Dangerous? With Contraband Theatre in St. Louis, MO

No Such Thing as Midnight Black at the Kansas City Melting Pot Theater in Kansas City, MO

Ubu Roi with the Organic Theater Company in Chicago, IL

Of Mice and Men with Monomoy Theater in Cape Cod, MA

Here at SIUE, [REDACTED] has expanded her creative role acting as [REDACTED]

[REDACTED] during the Covid-19 pandemic. In the fall of 2020 she collaborated with fellow artistic director Kristin Best-Kinshoff to develop *Garden Flow*, an immersive outdoor dance performance. In the spring of 2021, she was an artistic director for the

collaborative, visual design driven production of *Design and Devise* alongside fellow artistic director Tress Kurzym.

As a lighting designer, Theresa enjoyed collaborating with student and faculty filled production teams at SIUE on the productions of *Luminous a Dance in Concert*, *Gypsy*, *Rent*, and *Bacchae: Reboot*.

As the Light Shop Manager, she oversees the lighting installations used for productions by the Student Experimental Organization and Black Theater Workshop at the Metcalf Student Experimental Theater.

This past year at SIUE, [REDACTED] designed the scenery of the 25th Anniversary Production of Black Theater Workshop at the Metcalf Student Experimental Theater.

She joined SIUE after teaching lighting and scenic design at Benedictine College in Atchison, KS. [REDACTED] earned her MFA in Theater Design and Technology with an emphasis in Lighting Design from Northern Illinois University.

SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE

MEMO

DATE: February 28, 2025

TO: EUE Committee

FROM: Kristin Best-Kinscherff, Chair, Theater and Dance

SUBJECT: [REDACTED], EUE Proposal, "Achieving the Industry Standard in Ellipsoidal Instrumentation in the Metcalf Student Experimental Theater"

I am in full support of this proposal and the department has sufficient funds to cover associated costs. This grant would have a positive impact on a number of annual student-driven projects throughout the academic year (both departmental and university) including student play productions, the Black Theater Workshop, and Theater and Dance Senior Assignment showcase.

SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE

Date: March 6, 2025

From: Kevin Leonard, Dean, College of Arts and Sciences



Subject: EUE Dean Memo of Support

The College of Arts and Sciences strongly supports the application of [REDACTED] for an EUE grant to replace some of the antiquated and inadequate lighting in the Metcalf Theater. The aim of the project is to better prepare the approximately 50 students each year who complete THEA 170 – Introduction to Lighting and Stage Management, THEA, 370 – Lighting Design, and THEA 199 – Theater Production or who work behind the scenes of the Black Theater Workshop and Student Experimental Theater Organization productions, which are staged in the Metcalf Theater. As [REDACTED] notes in the proposal, the lights currently in the Metcalf Theater are outdated, and they do not adequately prepare students for work in more modern theaters in which they will likely work after they complete their degrees at SIUE. In addition, the old fixtures were designed for an earlier era, in which gender stereotypes and discrimination perpetuated a pattern in which most technical work in theaters was done by men without visible disabilities. The replacement of the old lighting instruments with new, lighter, and up-to-date instruments will promote equity and inclusion in technical courses and productions. The replacement of outdated lighting instruments will also facilitate improvement in the technical quality of student productions and Black Theatre Workshop productions in the Metcalf Theater. The project will have a significant impact on undergraduate education education, both for theater majors and for students who attend productions in the Metcalf Theater. The new lighting instruments will allow for more complete implementation of inclusive, student-centered pedagogies and improve the achievement of student learning outcomes.

The entirety of the budget is to purchase new equipment. The Department of Theater and Dance has sufficient funds to cover associated costs. If additional funds are needed, the College of Arts and Sciences will provide them.

Strand LEKO LITE Discontinued

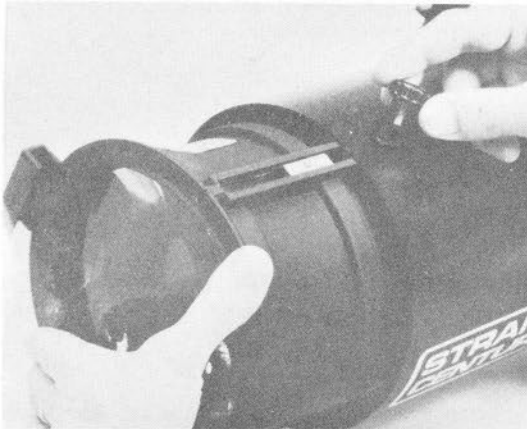
Find product related downloads below





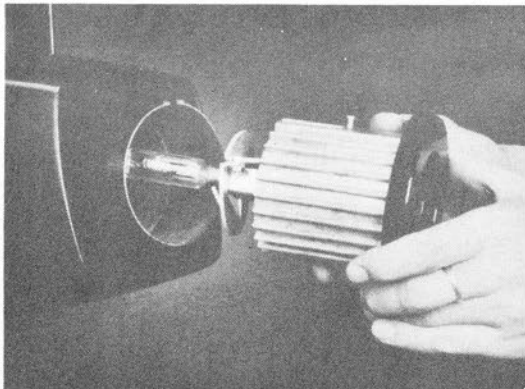
A Guide To Your New Strand Century Lekolite® Spotlight

INSTALL LENS TUBE



1. Remove knob from tee nut on lens tube.
2. Install lens tube in lens sleeve.
3. Align hole in tee nut with hole in lens sleeve.
4. Install knob and tighten.

INSTALL OR CHANGE LAMP



1. **VERIFY THAT POWER IS OFF.**
2. Loosen knob until lamp socket housing can be removed.
3. If required, remove lamp.

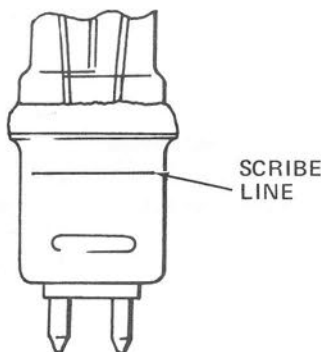
—IMPORTANT—

PREMATURE LAMP FAILURE, DUE TO CONTACT ARCING, WILL OCCUR IF LAMP IS NOT PROPERLY SEATED.

DO NOT TOUCH LAMP GLASS WITH FINGERS.

4. Press lamp into socket until scribe line on lamp base is even with socket face.

5. Install lamp socket housing and tighten knob.



LAMP DATA

Catalog Number	Lamps	
EHC/EHB	500W	200 hrs.
EHD	500W	2000 hrs., 3000°K
EHF	750W	300 hrs.
EHG	750W	2000 hrs., 3000°K
FEL	1000W	300 hrs.
FKR	650W	300 hrs. 3100°K
CP77	1000W	300 hrs. 220 or 240V

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