INTEGRATING THE SCALE LIGHT LAB INTO LIGHTING CURRICULUM

Scale Light Lab: Description and Specifications

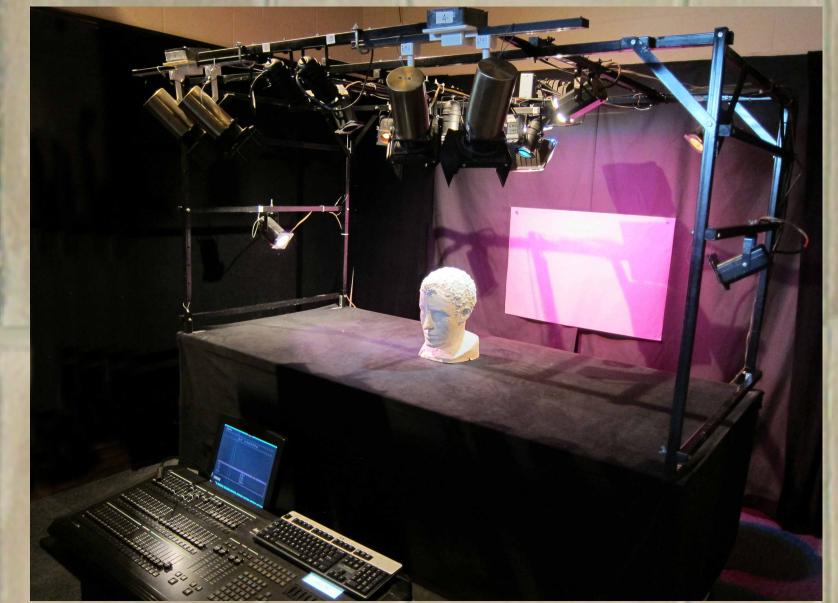


• Size

The Grid structure fits on a table that is 7'0" wide by 3'4" deep. Approx 1:6 scale.

• Grid Structure

The Grid is constructed from 1x1 square steel tube.



Control System

Colortran Innovator. Any reasonable used DMX console can work.

• Dimming





4 channel DMX packs (5). Total dimmer channels-20. Total load 2300 watts







Visit www.stolaf.edu/nbs/lightlab/handouts for specs, drawings, & handouts

Applied Learning Activities with the Light Lab





- Color Choice
- Angle Choice/ Dimensioning
- Intensity/ Visual Focus/ Composition
- Lighting Key Verification
- Cueing



 Control System Setup and Programming Curriculum Example: B.A. Theater Undergraduate



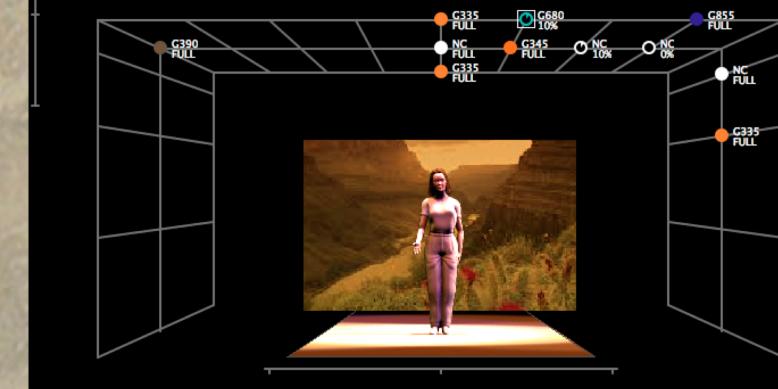
• Courses

Introduction to Design for Performance

level 1 course TH140

1. Virtual light lab project to explore mood, atmosphere, color, angle.

2. Light lab project- design for a short music piece-



color, angle, intensity, cues, light console intro.

Lighting & Sound Design and Production

level 2 course TH250



- 1. Light lab project- design for a short music piececolor, angle, intensity, cues, programming.
- 2. Lightplot and Vectorworks application
- 3. Final design project: 3-5 minute performance piece in studio theater-color, angle, intensity, cues, programming, operation.



Visit http://www.stolaf.edu/people/bjorklun/Classes/250Examples/250Examples.html for videos of projects

Advanced Design for

Performance level 3 course TH352

Apply knowledge and experience to a practical beginning design project. Use light lab as resource- color, angle, lighting key.

• Theater Production Program

Apply for design position in full scale department production.



Use light lab as resource.



Visit www.stolaf.edu/nbs/lightlab/projects for class project handouts

Conclusions and Outcomes



• Student Interest and Engagement



- Translation of Experience to full scale Project
- Accessibility



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