INTRODUCTION

What is a repertory light plot?
For this study, we surveyed individuals from professional companies across the country about their venue’s rep plots and compiled their information into usable data. Responses included results from the Glimmerglass Opera, the Joffrey Ballet, the NYC Fringe Festival, the Bolshoi Ballet, and the Hillberry Rep at Wayne State University. From our results, we applied this data to the creation of own rep plots for Kjer Theatre, Riverside Theatre, and Gantner Concert Hall.

What did this study entail?
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LIGHTING ANGLES

Front light is located directly in front of the stage, highlighting the front-most parts of the body. The application of only front light will flatten the actor into the background. This lighting angle is usually located on the front of house positions, such as ceiling slots.

Diagonal front light is located at approximately 45° to the left and right of center stage. The most common use of this lighting angle is with a warm and a cool light coming from opposite sides, creating the most natural lighting onstage.

High side light is located directly to the sides of the stage and is located on the lighting positions (electrics) on stage. High side light hits the top of the shoulders and highlights the body. This lighting angle commonly adapts to the same principles of the diagonal front light and uses a warm and a cool light from either side.

Backlight is located directly behind the actor and is located on the electrics on stage. Backlight hits the top of the actors’ shoulders and brings the actors out from the background. This lighting angle usually incorporates a warm and a cool.

RESULTS

Front Light
- Cool/Cool
- Warm/Cool
- Cool/Warm
- Other
- Scrollers: Color Change

Top/Back Light
- Cool/Cool
- Warm/Cool
- Warm/Scroller/Other
- Other
- Scrollers: Color Change

Area Diameter
- 6`
- 7`
- 8`
- 9`

Intelligent Lights
- 0`
- 6`
- 8`

Formation of Intelligent Lights
- End
- Center
- Other

National High School Institute

The National High School Institute (NHSI) is an intensive summer theatre program for high school students. Located at Northwestern University, NHSI produces 10 shows in repertory during the months of June, July, and August.