

Technical Information

LIGHTING

For



Updated September 2023

Lighting Information

PLEASE NOTE THAT THE ENTIRE INVENTORY MAY NOT BE AVAILABLE FOR YOUR PRODUCTION. PLEASE CONFIRM WITH THE LIGHTING COORDINATOR AT LEAST 30 DAYS PRIOR TO YOUR EVENT.

Welcome to the Lighting Information overview for the RiverCenter for the Performing Arts. Included is a brief discussion, lighting inventory, and applicable technical drawings for Bill Heard Theater's lighting system. RiverCenter employs a full-time Lighting-Coordinator who will try to be flexible to meet the individual needs of each perspective performance.

RiverCenter for the Performing Arts has three performance spaces, including the multipurpose, 2000 seat Bill Heard Theater. Since each space has its own lighting system, configuration depends greatly on the events in the perspective halls. Not all equipment is available at all times. An advancement period of 30 days before the opening date of show is mandatory to secure lighting equipment for performances. Time is also a factor when ordering consumables such as gel color, gobos, haze etc.

A default lighting plot has been created to facilitate the needs of productions without excessive production labor and cost. This plot is a general, theatrical style plot that contains 5 over-stage electrics, 2 Front-of-House Catwalks, and a Mezzanine Rail. A Balcony Rail is also available but has harsh angles and is a long distance throw. With these fixtures, multiple full-stage washes are in place. From Front-of-House we have a cool and warm wash for rich front light. In place over the stage: a stage-left high side wash in lavender, a stage-right high side wash in a light amber, a top wash in light blue. There is also a cyc wash lit from the top with LED Color Batten fixtures for unlimited cyc options. All lighting fixtures, with exception of Cyc fixtures, are ETC Source-4 with 575w lamps installed. Additional floor-based units with "A+B" sized holders are available. The RiverCenter lighting inventory does NOT include any Fresnels. A total of ten (10) lighting booms are available in varying heights, according to a show's specifications.

It is possible to hang original lighting plots, but this is also dependent upon advance notice, equipment availability, and the approval of Rivercenter's Director of Production. All stage lighting positions are hung on battens and must be focused with a lift. RiverCenter has one (1) Genie Lift in its inventory. FOH positions are accessible from Catwalks, and no climbing is necessary to reach these positions. Three (3) spotlights are available and are controlled from a booth accessible from a third catwalk at the rear of the hall.

Any lighting questions should be directed to the Lighting Coordinator Kyle Patton KPatton@rivercenter.org

RiverCenter for the Performing Arts

Lighting System

***RiverCenter lighting equipment services three (3) performance spaces; therefore, some equipment usage is subject to availability. Contact the Lighting Coordinator before planning to use any of the equipment listed below.**

Inventory:

Used in Heard FOH Catwalk only:

(26) – 10 Degree ETC Source 4 (575W)

(20) – 19 Degree ETC Source 4 (575W)

Used on Mezzanine Rail only:

(1) – 15 to 30 Degree Source-4 Zoom (575W)

(5) – 19 Degree ETC Source 4 (575W)

(1) – 26 Degree ETC Source 4 (575W)

Used on Balcony Rail only:

(12) – 26 Degree ETC Source 4 (575W)

Used over Heard Stage only:

(60) – 26 Degree ETC Source 4 (575W)

(52) – 36 Degree ETC Source 4 (575W)

(25) – Source 4 PARs (575W) W/ Lens Kits (VNSP, NSP, MFL, WFL)

(12) – COLORado Batten 72 Tour (LEDs)

3 – Lycian 1290 – Long Throw (2000w)

***All conventional lighting equipped with C-Clamp, safety cable, and gel frame**

Dimming:

480 ETC Sensor dimmers (2.4K)

88 Separate ETC Dimmers solely dedicated for House Lights

Circuits:

480 Show Lighting circuits interspersed throughout the theatre

- ✦ 20 (6 circuit) Multi. Cables located in the grid (1 permanently used for fiber-optic curtain) ✦ 47 Circuits located in the raceway for the 1st ELEC.
- ✦ 12 Circuits DSR (6 Shared with SR Orchestra Pit location)
- ✦ 12 Circuits DSL (6 Shared with SL Orchestra Pit location)
- ✦ 12 Circuits USR
- ✦ 12 Circuits USL
- ✦ 6 Shared Circuits located on SR and SL Mid-Bridge ✦ 67 Circuits located on 1st CAT.
- ✦ 47 Circuits located on 2nd CAT.
- ✦ 36 Circuits located on 3rd CAT.
- ✦ Other Circuits located at many various locations in the theatre

Control:

(1)ETC Ion OR (1)ETC Expression 3/ 800 Lighting Console

(36) DMX outputs located at various locations in the theatre

(8) DMX inputs located at various locations in the theatre

(1) Paradigm System (architectural lighting control) to control Houselights and Work lights

Power:

(3) 400A Disconnects (3-phase + ground and neutral) located Stage Left approximately 30' offstage ✦
Female Cam-lock Connections for all

- ✦ Connection for tails available

(1) 100A Disconnect (3-phase + ground and neutral) located SR on mid-loading bridge (1)

100A Disconnect (3-phase + ground and neutral) located USR on Grid level

Misc:

(10) 50 lb Boom Stand Bases

(10) 10' Pipes for Boom Stands

(10) 5' Pipes for Boom Stands

(10) Pipe Couplers to join 10' and 5' Pipes together for making 15' Booms

(13) Floor Bases for single lighting fixtures

(4) Iris Kits for ETC Source Four fixtures

(8) COLORado Batten 72 Tour (LED)

*Gobo Holders and Donuts for ETC Source Four Lekos available upon request