

# Summit Playhouse Stage Lighting

## Dimmers

- 5 12-dimmer ETC Sensor packs with 2400w D20 cards. These are from the 1990s, and have the old electronics cards. They are on a rack in the basement just before the steps to the stage. These are DMX addresses 1-60.
- 3 4-dimmer pipe-mount packs, Leviton D4DMX-MD5. 1200w max per channel, but 2400w max per pack. These are from 2017 & 2018. One pack is on the balcony pipe (DMX 61-64), one is on the house pipe (DMX 65-68), and one is a spare on a shelf in the basement (I don't remember its DMX address, but it's easy to change). The outputs of the balcony & house dimmer packs go to extension cords spaced out on the pipes.

## Conventional Instruments

10 36 degree Source 4s.

10 Source 4 Jr Zooms.

1 50 degree Source 4.

1 10 degree Source 4, rigged with a follow-spot yoke in the balcony. 750w lamp. Spot covers one person easily, two if they're very close.

2 15-30 degree Source 4 zooms.

9 ETC Colorsource PARs, with "wide round" filters

3 ETC ColorSource lekos, with 26 degree lenses.

2 ETC Colorsource lekos with 26 degree lenses, Rosco I-Cues, and DMX irises.

4 CHAUVET DJ SlimPAR Pro Q USB RGBA LED Low-Profile Par/High-Power Wash Lights.

12 American DJ RGBA megabars.

2 Altman baby zooms (15-30, I think).

A bunch to Altman 360Q lekos, which I hope to eventually replace with Source 4s.

6 (or 8??) 4.5x6

8 6x9

8 6x12

8 6x16

2 6x22

2 Par 64's

6 Par 38's with 300w floods.

38 or 39 fresnels – mostly Altman 65Qs. 500w.

4 3" baby fresnels. 150w, I think

## Standard Area Plot

House pipe:

- 10 Source 4 jr 25-50 zooms, normally arranged in 5 downstage areas, warm/cool into each area, with the zoom set to about 40 degrees.
- 2 Source 4 50 degree lekos, on the ends of the pipe, as DS side fill.

First electric:

- Either 8 or 10 fresnels, covering 4 or 5 mid-stage areas. 4 areas works well for a box set (side walls). For an open set (no side walls), if I have time I reconfigure them with 10 fresnels in 5 areas.
- 4 Chauvet SlimPAR LED wash lights.

Second electric:

- 8 or 10 fresnels, covering 4 or 5 upstage areas.

“First Electric Plus” pipe (small pipe between first & second electric):

- 3 ETC Colorsource PARs, as backlights/downlights.

“Second Electric Plus” pipe (small pipe between second & third electric):

- 3 ETC Colorsource PARs, as backlights/downlights.

“Third Electric Plus” pipe (larger pipe upstage of third electric, dead hung from ceiling):

- 3 ETC Colorsource PARs, as backlights/downlights.

Balcony pipe:

- 4 26 degree Source 4 Jrs, a warm & a cool aimed stage left, and a warm & a cool aimed stage right. These fill in the downstage-to-upstage “coverage gap” between the lekos on the house pipe and the fresnels on the first electric pipe.
- Followspot – 10 degree Source 4 with yoke.
- 2 26 degree ETC colorsource lekos aimed left & right, as a flexible color wash.
- 1 26 degree ETC colorsource leko, currently aimed center as a special. Reaim/remount as needed.
- 2 movers: 19 degree ETC colorsource lekos with Rosco I-Cues and City Theatrical DMX iris. Mounted left/right in balcony as flexible specials.

## DMX Feed

One universe, starting from the balcony. The board output goes to a 5-way DMX splitter (under the table, to the left). This feeds:

- The 4-dimmer pack in the balcony.
- The 2 colorsource moving lights in the balcony.
- The 3 non-moving colorsource spots in the balcony.
- The mirror-ball pin spots (cheap LEDs).
- A DMX line to the basement – goes thru the wiremold on the left wall of the auditorium.

The DMX line to the basement goes to another splitter (to the right of the power panel, obscured by the dimmer rack). This feeds:

- The ETC Sensor dimmers in the basement.
- The 4-dimmer pack on the house pipe.
- The LEDs over the stage (via another 8-way splitter by the stage manager’s desk)..

## Patchbay Circuits

Balcony:

- 6 20A circuits, labelled B01-B06. Outlets are on the front wall of the balcony.
- 4 15A circuits, labelled U01-U04. Output is cables with start from a box on the balcony wall and go up to the pipe. (Why only 15 amp? Because when I rewired the theater in the 1990s, I had 14 gauge wire left over).

House:

- 12 circuits, labelled A01-A12. Each duplex outlet has two circuits, and each circuit appears twice, once on each side. So there are 12 boxes:  
A01/A02 A03/A04 A05/A06 A07/A08 A09/A10 A11/A12  
CENTER  
A01/A02 A03/A04 A05/A06 A07/A08 A09/A10 A11/A12
- CAVEAT: The duplex outlets share neutral. Therefore although they are wired with 12 gauge, you shouldn't put more than 10A on any one circuit. Normally I only have one instrument per circuit, so that isn't a problem.

First Electric:

- 12 circuits, labelled C01-C12.
- Caveat: As with the house pipe, each duplex outlet has two circuits, each circuit appears twice, once on each side. As long as you limit it to two 500w instruments per circuit, you're fine.
- 4 20A permanent extension cords, two to outlets on the stage left front wall and two to the stage right front wall.

Second Electric:

- 12 20A circuits, labelled D01-D12. Unlike the first electric pipe, these are not 2-fered, and do not share neutral, so you can put 20A on any circuit. Each box has a duplex twistlock outlet and a duplex edison outlet. The edison & twistlock outlets in each box are wired together, so you can plug edison instruments into the second electric circuit without an adaptor.
- 2 20A permanent extension cords, labelled D13 & D14. These go to the patch bay and dangle down the back.

Front stage wall:

- 12 20A circuits, labeled E01-E12. E01-E06 are on stage right, E07-E12 are stage left. As with the second electric, these do not share neutral, so you can put 20A on them, and they are not 2-fered L/R. Some circuits have a single edison outlet below the duplex twistlock outlet; the edison is ganged with the twistlock so you can connect an edison instrument without an adaptor.

Back stage wall:

- 12 20A circuits, labeled G01-G12. As with E01-E12 on the front stage wall, they do not share neutral, and some have ganged edison outlets. However, there is some 2-fering. There are three clusters of outlets: G01-G06 are on stage right, G05-G08 are 2-fered in a cluster in the center, and G07-G12 are in a cluster on stage left.

Third Electric:

- Instead of direct lines to the patchbay, the third electric has 7 permanent extension cords that go to the G01-G12 outlets on the back wall. 4 go stage right and 3 go stage left.