

This lighting packet has been put together to help assist you in working here at the Solano Community College main stage theatre. Please look over this document, it contains pertinent info regarding the inventory and equipment available. For those of you that have worked in this space before, please feel free to provide any thoughts or words of wisdom – this is, and always will be, a work in progress.

Typically, all light plots are due to the Master Electrician on the due date. The following things should be included:

- 1) 1/2" scale lighting plot (computer or hand drafted), fully labeled. This means each instrument should include a channel number, a dimmer number, a circuit number (blank for the ME to fill in), a unit number, and barn doors/gobo/FX unit if applicable.
- 2) Channel Hookup and Color Count, to include the following information (see template for ideas on what they should look like)

- Channel
- Dimmer
- Circuit (blank for M.E. to fill in)
- Purpose / focus notes
- Position (1<sup>st</sup> Elec, FOH, Box Boom, etc)
- Unit number ( units should be numbered SR to SL on each pipe)
- Instrument Type (6" Fresnel, 19 degree S4, etc)
- Color
- Gobos

1 & 2 can be substituted for a VectorWorks &/or Lightwright file respectively. Please e-mail the files to the ME.

It is vital that a plot and completed hookup are turned in on the due date. The lighting department gets very little prep and work time before a show goes to tech, and we must be ready with cues for the first tech. **Also, by first tech, please have a cue sheet made up.**

<u>instrument</u>	<u># available</u>
6" Fres (Altman)	5
6" Fres (Century)	14
8" Fres	10
Altman 20-40 Zooms	8
Altman 6x12	2
Altman 6x16	23
beam projectors	3
Century 2x6	6
Century 6x6	32
Century 6x9	23
ETC S4 26	27
ETC S4 50	4
PAR-64	30
Scoops	6
Ianero Sky Cyc (2 cell)	5
Century Ground Cyc (2 Cell)	5

Technobeams	2
MR-16	4

Some notes on the in-house instruments:

1. Century 6X6 units have the same field angle as a normal 6 X 12 (28°; Beam angle is 18°). These units incorporate stepped lenses, and do not project patterns well. They do not focus to a hard edge. Their shutter cuts are marginal. Source fours are preferred for image projection.
2. Strip lights have both hanging irons and floor trunnions.
3. All instruments are 750 watts except beam projectors, 20-40 zooms, pars, Q-lites, and cyc lights that are all 1 kW. Source fours are 575 watts. Strip lights are 150 watt floods, with 4 lamps per fixture.(600W per color per unit)
4. Strip lights are 6' long with 3 circuits. We have red, yellow, and blue spread roundels in stock (check on quantity early.) We have gel frames for them as well. (Source Four gel cut work in strip light gel frames.)

### **Dimming and Circuiting**

The SCC Theatre has an “older” style dimming system with a plugging patch bay to connect circuits to dimmers. The space is outfitted with only 50 dimmers, of varying capacities as noted below. There are 184 circuits, of which 20 are “unknown” (meaning they exist on the patch bay but are not hardwired anywhere in the theatre). The pipe locations for circuit ranges are listed below. All circuits are rated for 2kW, except for multi cables, which are rated at 1.6kW.

In addition to the original 50 Dimmer system we have an ETC portable 24-dimmer pack. This is located in the Front of House Beams. These dimmers are rated at 1.2 kW and cannot be “Repatched” since they do not run through the original patch system. Keep in mind that these dimmers can only be used for FOH 1 & 2, the AUX and BBR.

Because of the small dimmer-to-circuit ratio, most shows will require in-show re-patching. Re-patching is accomplished by re-plugging circuits into the dimmers. It is strongly advised that circuits patch into only one dimmer! Patching circuits are labeled with colored phase tape to identify the dimmer, with each group labeled (usually A-D). Please be aware that if a show requires re-patching, time for that re-patch is needed. Don't have a re-patch occur and give your crew only 10 seconds between cues to complete it. Everyone is happier that way. See the attached patch sheet as an example of organization.

Dimmer	Wattage	# of Circuits accepted	Notes
1-36	4 kW	4	#24 & #29 accept 3 circuits
37-46	6 kW	6	
47-50	12 kW	8	
51-54	House lights	N/A	#54 currently w/out dimmer
55-57	3.6 kW	4	Non-Dim
58	7.2 kW	8	Non-Dim
300-324	1.2 kW	48	Dimmer Pack Located in FOH

Location	Circuit #	Location	Circuit #
1st house (8 circuits on auxiliary pipe)	1-20	2nd house (8 circuits on auxiliary pipe)	21-34
1 Box Boom Left	35-38	1 BBR	39-42
2 BBL (and center 4 circuits on auxiliary pipe)	43-48	2 BBR	49-54
3 BBL	55-57	3 BBR	57-60
1st Electric	61-86	2nd Electric	87-102
3rd Electric	103-118	4th Electric	119-137
Unknown	138-142	Grid	143-146
Stage floor pockets	147-164	Unknown	165-170
Stage floor pockets	171-173	Booth 30 Amp circuits	174-175
Unknown	176-184		

1. Follow spots are two Source 4's (any degree you want, 19's are best usually) with drop in Irises), positioned in the booth. Operators will switch gel colors as required; they are cued to do this by light board cues over the intercom.
5. We have 6 Blue/Lavender stippled Colorizers in stock for your use.
6. We have many gobos in stock, please check with Master Electrician for current quantities and inventory.
7. We stock rope-lights. We have a typical ropelight controller that is manually operated. We also have an adapter to use four dimmers to control the ropelights if it is so desired.
8. We have several atmospheric effect units. Currently they are:

- 2 x Rosco 1500 fogger
  - 2 x Aquafog (dry ice machines)
  - 2 x LeMaitre NeutronXS hazers
9. We have several sizes of clear Christmas lights (mini and C-9 base)
  10. Century/Strand 8" Fresnels are quite narrow and do not flood out to a big pool. A cut of Rosco 114 is recommended.
  11. Century/Strand 6" Fresnel do not put out as much light as the 6" Fresnels of Altman Manufacture.
  12. Photometric data, manuals, or any informative information about equipment available on request.
  13. We have a decent stock of special effects equipment available for use. Please discuss your needs with the ME and we'll see if we have what you need.

Dimmer	Cue #								
		17	28	36	40	45	56	70	87
	15	A	A	<b>B</b>	B	B	B	B	B
	20	A	A	A	<b>D</b>	D	D	D	D
	23	A	A	A	A	D	D	D	D
	27	A	<b>B</b>	B	B	B	<b>A</b>	<b>B</b>	B
	31	A	A	A	<b>B</b>	B	B	B	B
	32	A	A	A	<b>B</b>	B	B	B	B
45	A	<b>C</b>	C	C	C	C	C	C	
50	A	A	<b>D</b>	D	D	D	D	D	