



## **2023 Diamond Rio Lighting Production**

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## Diamond Rio Lighting Production

Hello,

It looks like we're going to be working together and in order to make our day as smooth as possible, I hope this document will serve as a helpful guide and great jumping off point as we prepare for the upcoming show. This is not the end all be all and certainly is not to be used as a substitute for conversation and diligent planning. This document's intended purpose is to give you, our local vendor, the 30,000 view of our lighting needs as well as information on what we're carrying.

As you may have seen, in the lighting advance area, we have plots for 60K and 120K par can rigs, if you'd prefer to provide an LED rig, that would be fantastic as long as it can properly and adequately wash the entire performance area.

For Diamond Rio, our primary lighting needs are specials for each band member as well as a DSL and a DSR solo position. Each band position needs to have its own special which can be focused exclusively to that position, and dimmable. The same goes for the DSL and DSR solo positions. 80%, or more, of Diamond Rio's show happens within the area between the microphones. We need the ability to clearly light that area. It can be accomplished by blending the 3 DS specials OR with the use of an additional channel of lighting for the DS lip. This will be discussed during our advance.

The second requirement is an upstage wash will adequately cover the stage so the band can see during and between songs.

Third is a downstage color wash.

From that, it's all icing on the cake. We definitely prefer a solid rig with movers and eye candy BUT, not at the expense of being able to properly light Diamond Rio.

DS specials can be ellipsoidal (leko's) or moving fixtures as long as they have zoom capabilities. Preference is color mixing as well.

In addition to the house rig, we will need a clean line for our floor package, a cat 6 is preferred. Diamond Rio carries a Roadhog 4 capable of 4-5pin outputs. The console has the capability of controlling up to 8 universes (512 channels per universe) via Art-Net or sACN. 8 Universes is the max and can be a combination of 5pin and network or network alone.



# Diamond Rio Lighting Technical and Power

## Console Info:

1-Roadhog 4

8-universe capability total

8- universes of sACN or Art-Net

4-5 pin DMX ports additional 4 universes can be used via sACN or Art-Net

## Fixture info

8-Chauvet MK1 spots (29 channel mode)

6-Chauvet R2X washes (33 channel mode)

1-DF50 Hazer

## Power requirements:

**6-20 amp circuits will be needed for powering Diamond Rio ground package**

1-20 amp circuit (quad) per pair of MK1 spots. (4 circuits total)

DF50 Hazer will be share power with the SR pair of MK1 spots.

1-20amp circuit at the DSL corner of the drum riser for 3-R2X washes

1-20amp circuit at the DSR corner of the keyboard riser for 3-R2X washes

## Deployment:

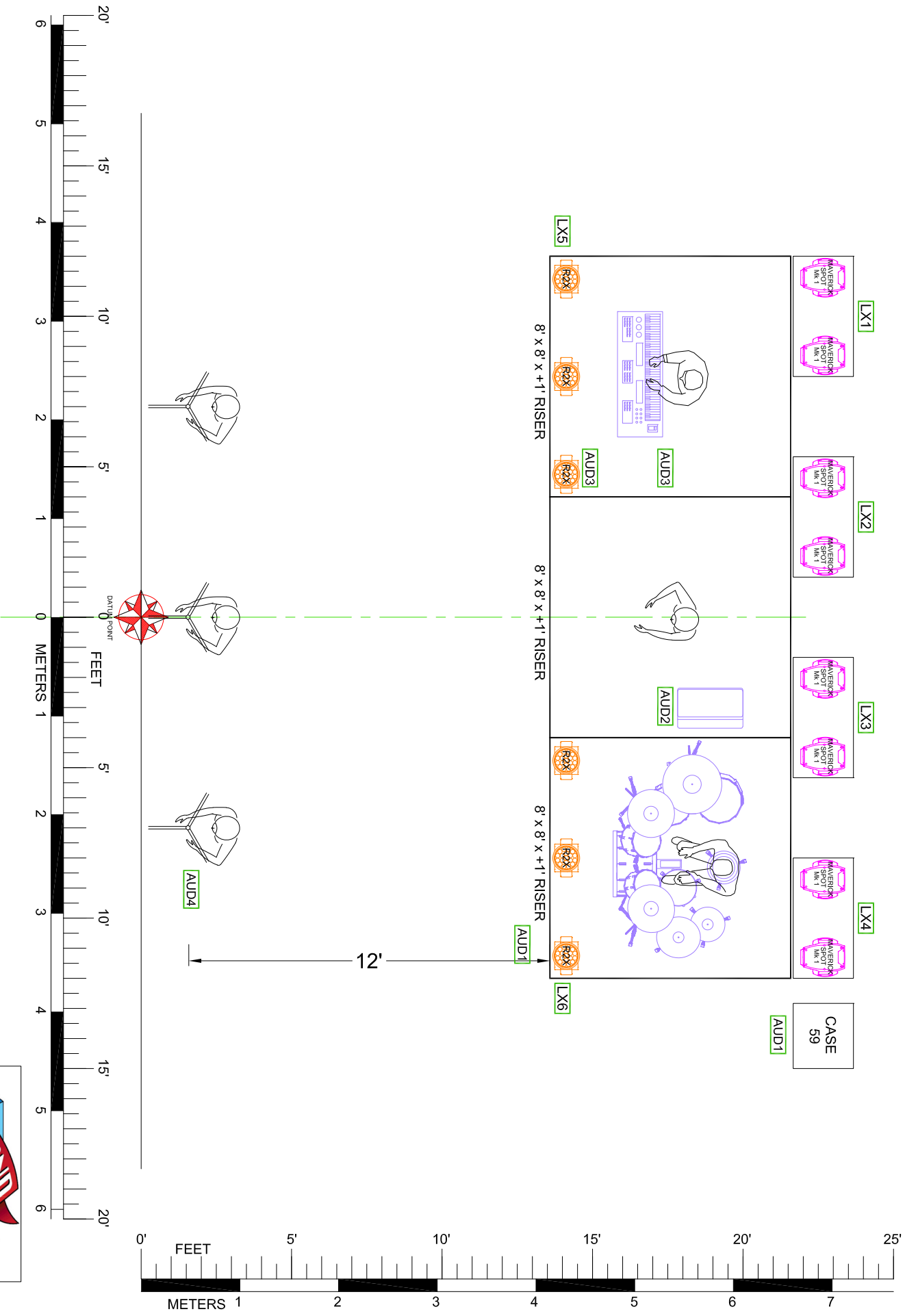
ALL MK1 spots will be ground support upstage of the riser unless otherwise specified.




ALL R2X washes will be ground supported on the downstage lip of the SL and SR risers.

MK spots will be paired up sitting on top of their respective cases.

## Control:

Data line, from FOH position, for ground package, must terminate at the USL corner of the drum riser



-  CHAUVET MAVERICK MK1 SPOT
-  CHAUVET R2X WASH
-  LIGHTING POWER 20a EDISON
-  AUDIO POWER 20@ QUAD BOX



FLOOR PLAN 2023

Black Backdrop

Upstage Truss

N	N	N	N	N	N	N	N
16	14	18	19	15	16	21	21
21	80	60	46	26	26	21	21
N	N	N	N	N	N	N	N
15	19	18	14	16	15	15	15
26	46	60	80	21	26	26	26

N	N	N	N	N	N	N	N
14	18	19	15	16	14	14	14
80	60	46	26	21	80	80	80
N	N	N	N	N	N	N	N
19	18	14	16	15	19	19	19
46	60	80	21	26	46	46	46

N	N	N	N	N	N	N	N
18	19	15	15	19	18	18	18
60	46	26	26	46	60	60	60
N	N	N	N	N	N	N	N
16	14	18	18	14	16	16	16
21	80	60	80	21	26	26	26

N	N	N	N	N	N	N	N
14	16	15	19	18	14	14	14
80	21	26	46	60	80	80	80
N	N	N	N	N	N	N	N
19	15	16	14	18	19	19	19
46	26	21	80	60	46	46	46

N	N	N	N	N	N	N	N
16	15	19	18	14	16	16	16
21	26	46	60	80	21	21	21
N	N	N	N	N	N	N	N
15	16	14	18	19	15	15	15
26	21	80	60	46	26	26	26

## NOTES

- All upstage lamps to be narrow and spun vertical
- All downstage lamps to be medium and spun horizontal
- All gel to be Roscolux unless otherwise noted
- **NO** substitutions without first consulting lighting director
- We do **NOT** carry a backdrop
- Floor package, provided by artist, will be ground supported unless otherwise specified
- Follow gel plot for any other configurations other than 120K



# 2023

## Production 120K Plot w/specials

Lighting Director: Willis Underhill  
 Phone: 573-778-6683  
 Email: Willis.Underhill@gmail.com

<b>Legend</b>	
<b>Spots</b>	<p>Frame 1 - R02          Frame 2 - R3409          Frame 3 -          Frame 4 -</p>

Downstage Truss

7	1
NC	NC

26	46	60	80	21	26
11	13	7	10	12	11
M	M	M	M	M	M
21	80	60	46	26	21
12	10	7	13	11	12
M	M	M	M	M	M

2
NC

46	60	80	21	26	46
13	7	10	12	11	13
M	M	M	M	M	M
80	60	46	26	21	80
10	7	13	11	12	10
M	M	M	M	M	M

3	6
NC	NC

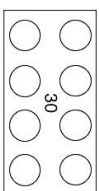
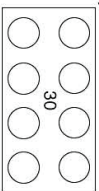
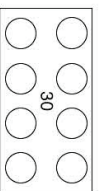
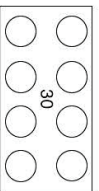
21	80	60	60	80	21
12	10	8	8	10	12
M	M	M	M	M	M
60	46	26	26	46	60
8	13	11	11	13	8
M	M	M	M	M	M

4
NC

46	26	21	80	60	46
13	11	12	10	9	13
M	M	M	M	M	M
80	21	26	46	60	80
10	12	11	13	9	10
M	M	M	M	M	M

5	9
NC	NC

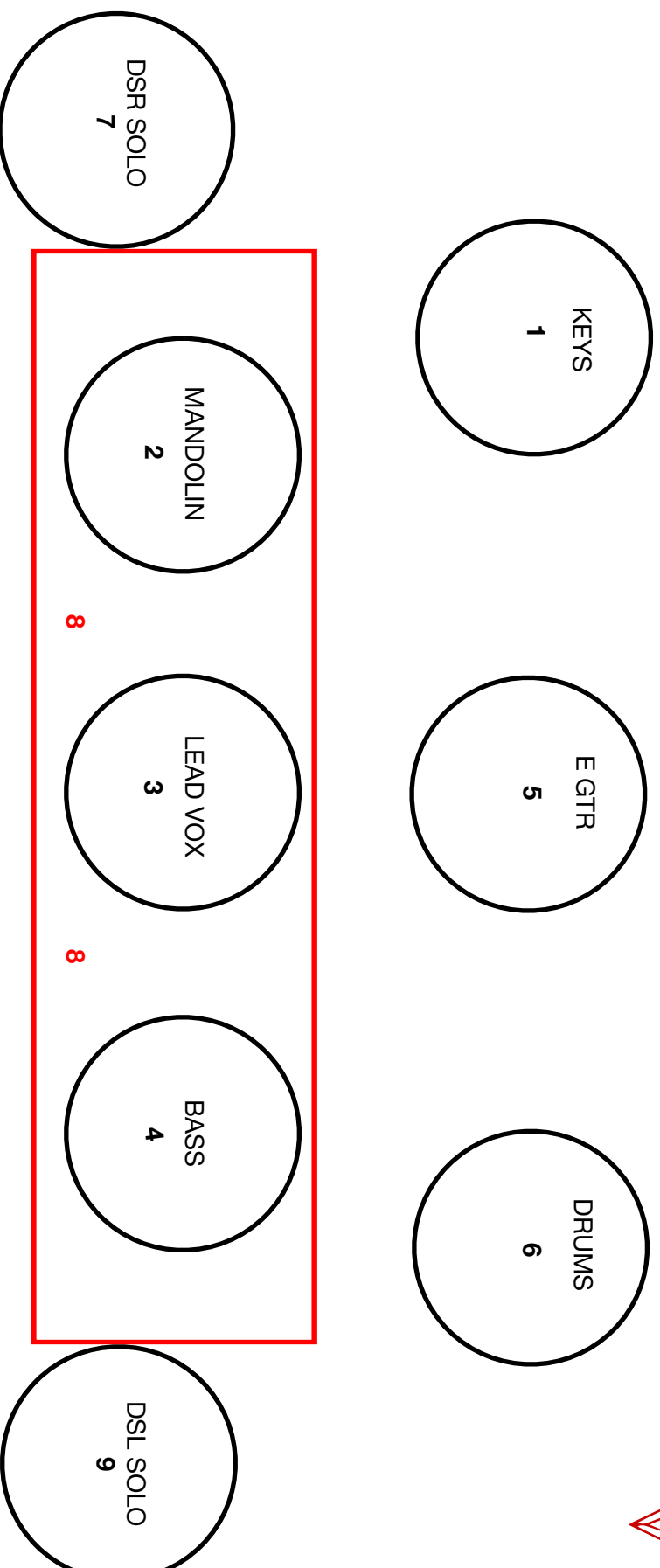
26	21	80	60	46	26
11	12	10	9	13	11
M	M	M	M	M	M
21	26	46	60	80	21
12	11	13	9	10	12
M	M	M	M	M	M







# 2023 Diamond Rio Focus Plot



Each band position has a special. The DSR and DSL solo positions also have specials. I also need to be able to cover the entire DS lip with N/C light for when our band wanders.

The numbers are my channel numbers.

- |                  |                             |
|------------------|-----------------------------|
| 1 - Keys         | 26 degree lens              |
| 2 - Mandolin/Vox | 36 degree lens              |
| 3 - Lead Vox     | 36 degree lens              |
| 4 - Bass/Vox     | 36 degree lens              |
| 5 - Drums        | 26 degree lens              |
| 6 - Elec Gtr     | 26 degree lens              |
| 7 - DSR Solo     | 36 degree lens              |
| 8 - DSC wash     | 36 degree lens x 2 fixtures |
| 9 - DSL Solo     | 36 degree lens              |

I typically use 6'-7' spacing between band members. 6'-7' SR of center mic position is mandolin. 6'-7' SL of center mic position is bass. The keys, guitar and drum positions are typically 10'-12" upstage of the mic line. Drums will be approx 8" SL of guitar and keys will be approx 8' SR of guitar. The DS edge of the drum riser will be 12'-14' upstage of the mic line. 3-8x8 risers will be configured as a single 8x24 riser. I keep the mic line, when applicable, approx 3' upstage of the DS lip.

**LENSES ARE APPROXIMATE. LENSE SIZE WILL BE DETERMINED BY DISTANCE FROM FIXTURE TO BAND POSITION. EXPECTATION IS NO LESS THAN AN 8' POOL OF LIGHT AT EACH POSITION**



## Diamond Rio Lighting Deployment



**Circuit 1**

20 amp quad



**Circuit 2**

20 amp quad



**Circuit 3**

20 amp quad



**Circuit 4**

20 amp quad



**Circuit 5**

20 amp edison



**Circuit 6**

20 amp edison