

LIGHTING INFORMATION

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INDEX

A NOTE TO VISITING TECHNICAL PERSONEL	page 2
POWER SOURCES	3
STAGE LIGHTING CIRCUIT DISTRIBUTION	4
LIGHTING POSTIONS	4
ADDITIONAL LIGHTING POSITIONS	4
LIGHTING INSTRUMENT INVENTORY	5
MOVING LIGHTS	6
BASIC HOUSE LAYOUT	6
LIFTS	7
DIMMERS	7
COLOUR MEDIA	7
SPECIAL EFFECTS	7
• Haze	
• Smoke	
CONSOLES	8
NETWORKS	9

A NOTE TO VISITING TECHNICAL PERSONEL

Centre In The Square uses Lightwright v. 4 and Visual CADD v. 4. We encourage you to send to us, by email, data files for Lightwright and CADD (dwg or dxf file if you are not a Visual CADD user). CADD drawings (plan and elevation) of The Raffi Armenian Theatre at Centre In The Square can be found on the [CADD/Computer Information page](#). Files should be emailed to thynes@centre-square.com

POWER SOURCES

Tour board power sources are located stage right with a capacity of 2 x 400A 120/208V 3Ø 60 Hz (i.e. 400 amps per leg) and down stage left with a capacity of 400A 120/208V 3Ø 60 Hz and with an isolated ground.

The above power sources normally have tails with cam-lok connectors attached.

Additional power source is available for stage use (i.e. special effects, etc.) or for TV mobile, recording or other external broadcast equipment at the rear of the building adjacent to the staff parking lot. Power available is 200A 208V 3Ø 60 Hz or 2 x 60 amp 208 3Ø 60 Hz. Panel is located inside on the rear wall of the stage up centre. Cable pass at this location permits introduction of camera cables, audio, power, etc. to and from the building.

60A 120/208v 3Ø 60 Hz power available stage left and right for equipment, etc.

60A 120/208v 3Ø 60 Hz in ceiling above canopy

2 x 60A 208 3Ø power is available at the loading dock for company buses.

NOTE:

Parking at the loading dock for purposes other than loading/unloading is possible by special request only.

By special request, two 400A 120/208V 3Ø 60 Hz additional hook-ups are available for lighting, automation, etc., if the Centre In The Square stage lighting system is not required, but the user must provide cable.

Transfer panel is also located stage right adjacent to the tour board power source and all F.O.H. circuits may be powered by the tour control system, if desired. Connectors are grounded stage pin with locks. (Union Harj Locks)

All other connectors and receptacles are either 20A "twist-lock" or 50A parallel blade. A limited number of pin to twist, twist to pin and parallel blade to twist adaptors are available as required. Some adaptors are available for 50A receptacles to 50A Joy connectors for TV and film are available; adaptors to 20A Joy connectors must be

provided by the user.

STAGE LIGHTING CIRCUIT DISTRIBUTION

F.O.H.	173-20A
Stage Floor	
Side Walls	63-20A
1st Electric	42-20A
Drop Boxes/Socas	38 with 6 or 8 20A each (Total 236)

28 circuits are also available in the pit area

LIGHTING POSTIONS

Ceiling Cove:	36-20A circuits
Canopy Cove (vertically adjustable):	38-20A
Towers "Box Booms" (location varies):	48-20A
Balcony front:	16-20A
Lighting bridge (vertically adjustable):	32-20A
1st Electric pipe:	42-20A
Cyclorama electric (line #42):	24-20A

ADDITIONAL LIGHTING POSITIONS

Stage side lighting:

8 rolling booms each incorporating a 3' x 6' frame capable of carrying 10 - 6" lighting instruments on a 7' mast on a castored, weighted base.

2nd, 3rd, etc. electric

Further electric are created as necessary using the drop boxes and Soca drops. Most drop boxes are located stage right. Pick-up lines are also available stage right and stage left.

LIGHTING INSTRUMENT INVENTORY

<u>Quantity</u>	<u>Type</u>	<u>Wattage</u>
*36	Source Four 10°(Ceiling Cove)	575 w
*36	Source Four 14°(Canopy Cove)	750 w
4	5° Strand SL	575 w
6	10° Strand SL	575 w
36	Source Four 19°	575 w
16	19° Strand SL	575 w
78	26° Strand SL	575 w
62	36° Strand SL	575 w
10	50° Strand SL	575 w
24	15°/32° Strand SL Zoom	575 w
*9	Selecon Pacific 5.5°-13° Zooms	575 w
24	Par 64 (MFL)	1 kw
116	Source Four PAR (VNSP to WFL)	750 w
6	6" Fresnel	500 w
32	6" Strand Fresnelite	1 kw
8	8" Strand Fresnelite	2 kw
18	8' four colour border lights	R40/300 FL
8	four colour cyc light, Ianiro Iris	3 @ 1 kw, 1 @ 1500 w
12	four colour Altman Ground cyc	4 @ 1 kw
2	Xenon Super Troupers	2 kw
2	Xenon Super Troupers	1 kw
1	Strong Trouperette Followspot	1 kw

MOVING LIGHTS

<u>Quantity</u>	<u>Type</u>
*10	MAC600 eNT
*8	MAC700 Wash
*8	MAC700 Profile

**** These instruments are part of the Basic House Layout - See below.***

NOTE: THERE IS A RENTAL CHARGE FOR FOLLOWSPOTS AND MOVING LIGHTS

BASIC HOUSE LAYOUT

Ceiling cove	36 Source Four 10° (permanently hung)
Balcony front	9 Selecon Pacific 5.5°-13° Zooms (permanently hung)
Canopy cove	32 Source Four 14° (permanently hung), 2 MAC700 Wash, 2 MAC700 Profile
Side Towers	10 MAC600 enNT (3 on top of towers, 2 in middle level on each side)
Truss between Pipes 18 & 19	6 MAC700 Wash on 4' centres splitting centre and 1 MAC 700 Profile either end(20" off centre)
Cyc lighting	8 four colour units (6 normally hung on line #42)

LIFTS

Upright electric 31' battery operated lift.

Upright AB38N articulated boom work platform (20' reach).

DIMMERS

Strand SLD Dimmers

468 dimmers - Dimmer per Circuit

All dimmers are 20A

All dimmers can be programmed at the console or switched at the rack as non-dims. 2 - 2 circuit contactor modules are available for "clean" power. Some on-stage circuits can be powered separately from the rack (hot patched) to provide fail-safe operation, for F/X, electronic instruments, etc.

COLOUR MEDIA

Most currently listed Roscolux colours and many Lee colours are available both in sheets or rolls and pre-cut, mounted in cardboard frames.

SPECIAL EFFECTS

Smoke

Le Maitre G-300 Smoke/Haze Machine

Haze

2 Le Maitre Neutron Hazers (water-based)

CONSOLES

Strand 550i

up to 2000 control channels and dimmers

2000 cues per show

2 Playbacks

48 multi-function submasters plus 6 supermasters

6 sub pages

Grand master

2 video displays

2 Wireless Handheld Remotes

Hand held remote (wired)

DMX via Ethernet (1 node)

Up to 4 hard DMX universes

Moving light capability

Strand 300 series

600 channels

24 submasters

Strand Light Palette Live

For information...visit [Strand Lighting](#)

For more information...[Link to Strand Lighting](#)

NETWORKS

Shownet Network

This network with connections throughout the theatre allows for components to connect to the main console via Ethernet e.g. 300 series console can be set up as a remote console or a stand-alone.

DMX

DMX via Ethernet

A hard DMX network with patch and opto-splitter Stage Right and connections throughout the theatre including touring board positions.

HHR

Wireless Hand-held remote

Strand Outlook architectural lighting control system with stations backstage right and in the lighting booth is also used to meet a variety of rehearsal and work light needs.