

# PLAYHOUSE

Please confirm all critical measurements on site.

## STAGE FACILITIES

### STAGE

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- Fixed Proscenium Arch with adjustable header
- Main Stage, Forestage, Rear Stage, OP Side Stage
- Single Purchase Counterweight Flying System operated from prompt side of stage and forestage  
Note - Setting Line is the back of Proscenium Arch
- To allow for the use of trapdoors and heavy machinery, the stage floor is not sprung
- For dance productions a 38mm thick portable *Biltflor* sprung dance floor with black *Tarkett* covering is available

### STAGE DIMENSIONS

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• Proscenium Height - variable	<b>standard 7.0m max 8.6m</b>
• Proscenium Width	<b>12m</b>
• Apron Depth (from setting line)	<b>1.2m</b>
• Forestage (Orchestra Pit) Lift Depth along centre line	<b>3.4m</b>
• Load-in door dimensions (from dock to stage)	<b>8.8m x 3.7m</b>
• Height of Stage Level from auditorium floor	<b>910mm</b>
• Stage Depth to last flying line from setting line	<b>11.9m</b>
• PS proscenium to fly rail PS	<b>6.5m</b>
• OP proscenium to OP side stage wall	<b>19.3m</b>
• Clear height from stage floor to fly floor over	<b>8.8m</b>
• Distance between PS & OP fly floor	<b>21.0m</b>
• Distance from setting line to sound curtain	<b>13.3m</b>
• Distance from setting line to back wall of rear stage	<b>22.4m</b>
• Setting line to House Curtain	<b>410mm</b>
• Stage to underside grid	<b>22.9m</b>
• Stage to grid floor	<b>23.0m</b>

### REAR STAGE

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• Width of Rear Stage (wall to wall)	<b>17.3m</b>
• Depth of Rear Stage from sound isolation door	<b>8.9m</b>
• Clear height of Rear Stage	<b>9.0m</b>
• Manual winch lines in Rear Stage (500kg WLL)	<b>4</b>
• Clear height under winched battens	<b>8.7m</b>

### SIDE STAGE

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• Width of Side Stage from fly floor over	<b>14.8m</b>
• Depth of Side Stage	<b>11.7m</b>
• Clear height of Side Stage	<b>9.0m</b>

## ACCESS

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- Auditorium to stage access via pass door **PS & OP**
- Crossover location PS to OP **Rear of rear stage**  
**Under stage**  
**Rear wall of three fly galleries**

## FLYING SYSTEM

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- Flying Line Rope Locks at stage level PS
- Maximum Weight per Counterweight Set **700kg**  
(500kg normal + 200kg slave cradle)
- Six Line Pickup (3.0m centres) **6mm wires**
- Number of Flying Lines in Forestage **5**
- Number of Flying Lines in Main Stage **80**
- Number of Panorama bars each side (Counterweight operated) **2**
- Distance of Panorama bars from centre line **10.0m; 10.2m**
- Number of Panorama bars for lighting ladders each side **1**  
(Electric Winch operated) 1 tonne UDL
- Distance of Panorama bar for lighting ladders from centre **9.5m**
- Batten dimensions **75 x 50 RHS**
- Batten length **17.0m extendable to 18.0m**
- Batten drift **22.5m adjustable to 23.0m**
- Batten centres **150mm**
- Stage to Fly Floors and Grid Winch (Upstage OP) **2000kg SWL**
- Line 1- Black Wool Smoke curtain (fixed position, must be able to fly to stage deck in event of an emergency. Preventing smoke from passing into auditorium)

## HOUSE CURTAIN

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- Counterweight operated PS **C/W Line No.3**
- House Curtain is velour with 100% fullness - colour **Tyrian Purple**
- French Action available on request

## STAGE SOFT FURNISHINGS

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- Legs
  - Black Wool flat soft – main stage **12 x 5.0m x 11.0m**
  - Black Wool flat soft - rear stage **6 x 2.0m x 9.0m**
  - Black Wool flat soft - Panorama **24 x 2.0m x 11.0m**
  - Black Velour flat hard – main stage **12 only 8.5m x 2.4m**
- Borders
  - Black Wool flat soft **4 x 6.0m x 18.0m**
  - Black Wool flat soft **2 x 4.0m x 18.0m**
  - Black Wool flat soft **2 x 1m x 12.0m**
  - Black Wool flat soft **3 x 2.0m x 18.0m**
  - Black Velour flat soft **6 x 4.0m x 18.0m**
- Smothers
  - Black Wool flat hung on Line 1 as smoke blanket **1 x 11.0m x 16.0m**
  - Black Wool flat **1 x 11.0m x 17.0m**

Black Wool flat  
Black Velour flat

**1 only 9.0m x 17.0m**  
**2 only 11.0m x 18.0m**

- Tabs

Black Wool flat

**2 only 11.0m x 12.0m**

- Cyclorama framed white plastic  
(fixed position 11.8m from setting line)

**1 x 10.0m x 18.0m**

All the above masking is subject to availability at the time of production meeting.

Additional stage furnishings are available on request to the Manager Staging.

### **ORCHESTRA PIT**

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- Orchestra Pit Lift (3 section lift each section is able to operate independently at all levels)
- Orchestra Pit accommodates approx **30** musicians

Additional equipment is available for hire on request to the Manager Staging.

# LIGHTING FACILITIES

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## LIGHTING CONTROL DESK

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ETC EOS Ti – 24K Lighting Console

Remote Video Interface (RVI) available with 12 Universe Parameter count

ETC NOMAD USB Dongle available on request, with 12 Universe Parameter count

ETCNet, Streaming ACN & Artnet available in various locations through venue via ELC Node system. ELC Nodes accept Data via a Fibre-Optic backbone under a “managed” network.

DMXLAN Nodes – 8 port & 3 port in key locations

Grand MA 2 Light **may** be available on request

n.b. MA Net no longer supported or installed in this venue

## NETWORKING

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- Core Fibre-Optic network throughout the Venue with SACN as the primary protocol.

Artnet and Shownet are also supported.

- ELC 8 Port Nodes are located in the following positions:

Lighting Control Room at rear of stalls, Fly Gallery 1 OP adjacent to dimmer/patch location

- ELC 3 Port Nodes are located in the following positions:

Front-of-House Circle Rail – at OP end

Front-of-House Slots – Top level of Slot 2, with Dimmers, both PS and OP

Fly Gallery 1 PS downstage end

Stage Level – Downstage OP Corner, Upstage OP Corner and Upstage PS Corner

All ELC Nodes are configurable from both the Nodes themselves and from a managed system with the master control in the Lighting Control Room, on PC.

n.b. The old LCP 5-pin DMX distribution system is no longer operational and can therefore no longer be utilised.

5 pin DMX splitters (10 way) can be made available on request.

## DIMMERS

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- *Front-of-House:*

10 amp LSC TEKO 216

20 amp LSC TEKO 12

- *Front-of-House Slots:*

PS 10 amp LSC TEKO 48

OP 10 amp LSC TEKO 48

- *Grid Dimmer Room:*

*(Cable Reelers to Lighting Spotbars and Ladders)*

10 amp LSC TEKO 288

20 amp LSC TEKO 66

- *Fly Gallery 1 OP:*

10 amp LSC TEKO 24

20 amp LSC TEKO 12

- *Stage Basement:*

(Stage, Basement and Orchestra Pit Patch Panels) 20 amp LSC TEKO	<b>60</b>
• <i>Portable:</i> 10 amp LSC TEKO in single 12 way racks	<b>48</b>

Flexible patching facilities are available for FOH Bridges, Balcony Front, Slots, Fly Floor 1 PS, OP & C, Stage, Stage Basement and Orchestra Pit.

## **FOLLOW SPOTS**

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• Robert Juliat Korrigan 1200w HMI	<b>3</b>
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The Follow Spot room is located at centre of Bridge Four.

## **LIGHTING POSITIONS**

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- *Front-of-House:*
  - Bridge One
  - Bridge Two
  - Bridge Three
  - Bridge Four
- *Balcony Position:*
- *Lighting Slots PS and OP*
  - Slot One
  - Slot Two
  - Slot Three

Angles and distances may be obtained on request to Manager Lighting.

### Stage

- Stage Lighting Bars 5.5m sections x 3
- Stage Lighting Ladders (6 rung PS and OP, on tracks) 5 per section

### PS&OP

Stage Lighting Bars and Stage Lighting Ladders are fed from cable reelers on the grid.  
Each cable reeler has ten (10) 10 Amp Dimmers, one (1) 20 Amp Dimmer and one (1) 20 Amp FX circuit.

Five (5) six rung lighting ladders PS&OP tracked on lighting Panorama bar.

## ALLOCATED LIGHTING INSTRUMENTS

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- *Front-of-House:* (Permanently rigged and patched)
  - Bridge One
    - 8 x 1K Selecon Pacific 5/13°
    - 24 x 1K Selecon Pacific 12/28°
  - Bridge Two
    - 6 x 1K Selecon Pacific 5/13°
    - 24 x 1K Selecon Pacific 12/28°
    - 2 x LED Flood/Worklight
  - Bridge Three
    - 24 x 1K Selecon Pacific 7/19°
    - 2 x LED Flood/Worklight
  - Bridge Four
    - 12 x 1K Selecon Pacific 5/13°
- *Balcony Front/Circle Rail:* (Permanently rigged and patched)
  - 6 x 1K Selecon Pacific 14/35°
  - 8 x 1K Selecon Pacific 12/28°
- *Lighting Slots:* (Permanently rigged and patched)
  - Slot One PS & OP each
    - 8 x 1K Selecon Pacific 12/28°
    - 4 x 1K Selecon Pacific 23/50°
    - 8 x Source 4 26°
    - (rigged on pro – boom)
  - Slot Two PS & OP each
    - 4 x 1K Selecon Pacific 5/13°
    - 8 x 1K Selecon Pacific 12/28°
    - 4 x 1k Selecon Pacific 14/35°
    - 8 x 1K Selecon Pacific 12/28° (Underslung)
  - Slot Three PS & OP each
    - 4 x 1K Selecon Pacific 5/13°
    - 6 x 1K Selecon Pacific 12/28°
- PS & OP Ladders (5 per side) each:  
(Permanently rigged and patched)
  - 2 x ETC Source 4 575w 19°
  - 4 x ETC Source 4 575w 26°
  - 1 x 1K Par 64 Supercans MFL 110v
  - 1 x 1K Par 64 Supercans NSP 110v
- Stage (Rigged as required)
  - 5 x ETC Source 4 575w 10°
  - 20 x ETC Source 4 575w 19°
  - 50 x ETC Source 4 575w 26°
  - 60 x ETC Source 4 575w 26°
  - 30 x ETC Source 4 575w 36°
  - 10 x ETC Source 4 575w 50°
  - 10 x 650w Selecon Acclaim Fresnel
  - 20 x 1200w Selecon Fresnel
  - 20 x 1200w Selecon PC
  - 60 x 2K Arena Fresnel
  - 6 x 5K Pollux Fresnel
  - 20 x 1K Par 64 MFL 110v
  - 20 x 1K Par 64 NSP 110v
  - 10 x 1K Iris 4
  - 10 x 1K Iris 1
  - 6 x LED Worklight

- Floor **10 x 1K Orion 4**
- 10 Boom Trolleys each with 4m pipe **4 x ETC Source 4 575w 26°**
- 2 FOH Pro Booms each with 2m pipe **4 x ETC Source 4 575w 26°**

## **AUXILIARY POWER**

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A/V – Nil

Powerlock

1 x 400A Supply USOP wing

### 3-phase

1 x 40A DSPS

1 x 40A DSOP

2 x 40A USPS

2 x 40A USOP

1 x 100A 'Marachel' Rear stage OP

1 x 100A 'Marachel' Rear stage PS

Additional lighting accessories and equipment are available for hire on request to the Manager Lighting.

## **SOUND FACILITIES**

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• Mixing Console	<b>1 x Yamaha CL5 48channel</b>
• Proscenium Speakers – per side	<b>3 x L-Acoustics ARC Wide</b>
• Sub Woofers	<b>4 x L-Acoustics SB18m</b>
• Central Cluster Speakers	<b>2 x L-Acoustics ARC Wide</b>
	<b>2 x L-Acoustics ARC Focus</b>
• Front Fill Speakers	<b>6 x L-Acoustics 5XT</b>
• Effects Speakers	<b>4 x L-Acoustics 108P</b>
• Foldback Speakers	<b>4 x L-Acoustics X12</b>
• Routing and Equalization	<b>3 x Lake LM26</b>
• Playback Sources	<b>2 x Denon C635 Compact Disc Player</b>
• Microphones	<b>8 x Dynamic Microphones</b>
• Communication	<b>Clearcom 2 Loop Talkback System</b>
	<b>Leon Audio 12 Channel Cue Light System</b>
• Video Monitoring	<b>Stage View</b>
	<b>Low Light Stage View</b>
	<b>Conductor View</b>
	<b>2 Channels</b>
• Infra-red Audio Description/Hearing Impaired System	

Additional equipment is available for hire on request to the Manager Audio/Visual.