

Riley Theatre Technical Specifications

STAGE DIMENSIONS:

Width- 12.37 metres (1 metre each side is under balcony)

Depth- 9.80 metres (9.00m with cyc or black tabs in)

Average height to lighting bars - 6.3 metres (4.70m to balcony side bars)

Clearance under balcony- 2.97 metres

STAGE SETTING:

Masking- 5 bays each side (black serge legs at 1.85m, 3.65m, 5.4m, 7.2m and 8.5m from front)

Floor- Grey Harlequin Studio dancefloor (**For use with bare feet or agreed footwear only. No stage fixings can be used on the flooring.**) A black dancefloor can usually be laid if requested.

Cyclorama- White pvc projection screen fixed in position. 6.50m high by 10.25 wide. Full black serge tabs can be drawn in front of the cyc.

LIGHTING TRUSS:

Manufactured by Total Fabrications using heavy duty and medium duty truss with a catwalk at the back of stage (wired for cyc floods) and 7 XO truss flying bars on electric winches. **Only one winch may be used at a time.** Internally wired lighting bars fixed under first 6 flying bars. Back bar is free for hanging cloths, gauzes etc.

There is no flytower. Height to main truss is 6.92 metres.

Length of bar- 9.80 metres (Foh bar is 5.20 metres)

Vertical load limit per bar- 20 kg per metre

LIGHTING CIRCUITS:

Mains in at 200 amps three phase.

Dimmers- 6 x Strand LD90 digital 24 way. **Total 144 10 amp dimmers.**

An extra 63 amp three phase outlet (RCCD Ceeform) is available if needed

The theatre has 226 15 amp lighting circuits in total of which 120 are hardwired to dimmers and 106 run to a 24 way IEC patch panel. Circuit distribution:

IWBs- Foh bar, 12 circuits, 6 hardwired, 6 patchable

Stage bars 1 & 2, 18 circuits, 11 hardwired, 7 patchable

Stage bars 3 to 5, 18 circuits, 10 hardwired, 8 patchable

Overhead circuits total 102, 58 hardwired, 44 patchable

Catwalk- 8 paired circuits hardwired feeding 4 x 4-way 1Kw flood battens

Balcony- 68 circuits, 48 hardwired (24 each side) feeding 10 sidelighting booms and 6 hardwired foh. 14 patchable (6 each side and 2 foh)

Stage- 34 circuits, all patchable, 28 in groundrow trench, 6 on stage front

Foh- 14 circuits feeding 5 lighting positions under balcony, all patchable.

LIGHTING CONTROL:

ETC Ion with 1 x 20 fader wing and with Net3 remote or iPad virtual RFR

LANTERNS:

20 x Cantata Fresnel 1.2kw with barndoors

4 x Cadenza Fresnel 2kw with barndoors

2 x Selecon Arena HP Fresnel 2kw with barndoors

12 x Cantata PC 1.2kw with barndoors

4 x Cantata 18/32 Profile 1.2kw

4 x Cantata 26/44 Profile 1.2 kw

14 x Source Four 50 Profile 575w

20 x Source Four 25/50 zoom profile 750w

12 x Source Four Junior zoom profile 25/50 575w

4 x CCT Freedom 28/58 Profile 600w
42 x Parcan 1kw (all CP62, some CP61 and CP60 lamps available, call for availability)
24 x Source Four Par 575w with barndoors
10 x Nocturne symmetric flood 1kw
6 x Coda asymmetric flood 500w
5 x CCT Starlette 4 way flood batten 1kw (permanently rigged on rear catwalk)

SOUND EQUIPMENT:

Players: 2 x Denon DN635 Compact Disc Player
1 x Tascam 801 Minidisc Player/Recorder
Tascam DA-20 Mk II DAT Player/Recorder

Playback through QLab on a Mac Mini is available on request. Laptop playback is also available either through a USB audio DAC or headphone socket.

Microphones: 4 x Shure SM58
4 x Sennheiser G3 series radio handhelds
2 x Sennheiser G4 series lavalier radio
6 x microphone stands

Mixer: Digital: Yamaha LS9-16

Speakers: 4 x Meyersound UPJ-1P (2 for stalls, 2 for balcony)
2 x Meyersound 500HP Subwoofer
4 x Meyersound UPM-1P (stage monitors)

1 x Meyersound Galileo 408 Loudspeaker Processor

There are two 12 send/4 return XLR stageboxes situated downstage left and downstage right running to the control room.

AUDIO VISUAL:

Panasonic PT-EX800 Projector with Standard Lens, 7500 lumens
BENQ LU785 Laser Projector, 6000 lumen WUXGA
BenQ W1070 DLP 1080P Full HD Video Projector, 2000 ANSI Lumens
1 x Wahlberg dmx controlled shutter

COMMUNICATIONS:

Metro Audio system, masterstation in prompt corner, links to LX and sound control, stageright and balcony positions. 6 outstations and 6 headsets.

GET-IN

There are various routes into the theatre, all of which involve a small set of steps. A disabled lift is available at the main entrance for flightcases but this cannot take large pieces of set. The largest door into the theatre measures 235cm high by 205cm wide. However, because you immediately have to turn then pieces wider than 1.2m may have to be dismantled.

Compiled by Mark Baker (Technical Manager) mark.baker@nscd.ac.uk

Last updated 21st November 2023

NSCD reserves the right to alter these specifications without notice. Please contact the Technical Manager on **0113 219 3022** for any further information.