



LYRIC THEATRE – TECHNICAL SPECIFICATIONS

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STAGE FACILITIES

STAGE

The Lyric Theatre has a fixed Proscenium Arch. Areas include the Main Stage, Forestage, Rear Stage and PS Stage areas.

There is a Single Purchase Counterweight Flying System – operated from OP side of stage.

For dance productions a 37mm thick Harlequin Liberty sprung dance floor with black Harlequin Studio vinyl is available.

Note – Setting Line is the back of the Proscenium Arch.

STAGE DIMENSIONS

• Proscenium height	9.2m
• Proscenium width	14.7m
• Load-in door dimensions (from dock to stage)	9.2m x 3.7m
• Apron depth	730mm
• Forestage (Orchestra Pit) Lift depth along Centre Line	3.6m
• Height of stage level from Auditorium floor	1010mm
• Stage depth to last flying line from Setting Line	16.1m
• PS Proscenium to PS side stage wall	20.9m
• OP Proscenium to fly rail OP	5.1m
• Clear height from stage floor to underside Gallery One	9.2m
• Distance between PS and OP fly floors	22.1m
• Distance from Setting Line to Sound Curtain	17.5m
• Distance from Setting Line to back wall of rear stage	29.7m
• Setting Line to House Curtain	540mm
• Stage to underside Grid	24.0m
• Stage to Grid floor	24.1m
• Point load of removeable traps over main stage	20 kN

REAR STAGE

• Width of rear stage (wall to wall)	17.6m
• Depth of rear stage from Sound Isolation door	11.9m
• Height to ceiling of rear stage	9.0m
• Manual winch lines in rear stage (500kg WLL)	6
• Clear height under winched battens	8.6m

SIDE STAGE

• Width of side stage from fly rail over	17.2m
• Depth of side stage	15.9m
• Height to ceiling of side stage	9.2m

***Note** – Row CC and DD seating wagons are stored overhead far PS side stage.

For further advice refer to Manager Staging.

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ACCESS

• Auditorium to stage access via pass door	PS and OP
• Crossover locations PS to OP	Rear of stage Under stage Rear wall of galleries (3 levels)

FLYING SYSTEM

• Flying Line Rope Locks at stage level OP or Gallery Two OP	
• Maximum Weight per Counterweight Set with standard batten (465kg standard cradle + 210kg slave cradle)	675kg
• Maximum Weight per Counterweight Set with lighting batten (315kg standard cradle + 210kg slave cradle)	525kg
• Six Line Pickup (3.3m centres)	6mm wires
• Number of flying lines from Proscenium to House Curtain (Setting Line)	2x G1 and G2
• Number of flying lines from House Curtain to last fly set	101
• Number of panorama bars each side	3
• Distance of panorama bars from Centre Line	10.2m; 10.35m; 10.5m
• Batten dimensions	75x50 RHS
• Batten length	19.1m long, extendable to 20.0m
• Batten drift	21.8m adjustable to 23.5m
• Batten centres	150mm
• Stage to Grid winches (PS and OP upstage)	1000kg WLL each
• Stage to Grid Point Hoist (Upstage OP side of centre)	800kg WLL
• Point hoists for left and right FOH speaker positions (4 per side)	1000kg WLL
• Point hoists for centre FOH speakers (2)	500kg WLL

HOUSE CURTAIN

• Motorised with variable speed	Up to 3 metres per second
• Motorised French Action	Closed to open – 25 seconds
• Crimson velour with 100% fullness	

STAGE MASKING

LEGS

• Black wool flat – main stage	12 of 5.4m x 11.0m
• Black wool flat – main stage	4 of 2.7m x 11.0m
• Black wool flat – rear stage	12 of 2.2m x 8.9m
• Black wool flat – panorama	8 of 5.4m x 11.0m

BORDERS

• Black wool flat – main stage	12 of 6.4m x 21.8m
• Black wool flat – rear stage	3 of 2.0m x 17.5m
• Black wool flat – rear stage	6 of 1.0m x 17.5m

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SMOTHERS

• Black wool flat – main stage	2 of 11.0m x 19.0m
• Black wool flat – hung on Line G1 as Smoke Blanket	1 of 11.0m x 17.0m
• Black wool flat – rear stage	1 of 8.9m x 17.5m

TABS

• Black wool flat – rear stage	2 of 8.9m x 9.0m
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OTHER

• Cyclorama framed white plastic (fixed position 16.2m from Setting Line)	1 of 12.0m x 19.0m
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All the above masking is subject to availability at the time of the production meeting.

Additional stage furnishings are available upon request to the Manager Staging

ORCHESTRA PIT LIFT

The Small Orchestra Pit layout can accommodate approximately **40** musicians.

The Large Orchestra Pit layout can accommodate approximately **60** musicians.

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

Refer all rigging enquiries to the Manager Staging.

Please confirm all critical measurements on site.

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LIGHTING FACILITIES

LIGHTING CONTROL

- No console is allocated within the venue. Please contact Manager Lighting to discuss options if required.
- Base sACN network:
 - 1x ELC 8-Universe node in Dimmer Basement
 - 1x ELC 3-Universe node in Circle Rail One – OP
 - 1x ELC 3-Universe node in Rear Stage PS
 - 1x ELC 8-Universe node on Gallery Two PS – mid stage
 - 1x ELC 3-Universe node on Gallery Two OP – down stage
- 3x fibre-linked 24-port switches located in Control Room, Gallery Two PS and Dimmer Basement.
- DMX patch points distributed throughout the venue on most levels and lighting locations. Connections via Ethercon patches (Cat 5e/6). Converters from RJ45 to 5-Pin XLR available.

DIMMERS

- Front-of-House:
 - 10A Bytecraft 483 – 256 circuits total.
 - 20A Bytecraft HiTop – 12 circuits total.
- Stage/Galleries:
 - 10A Bytecraft 483 – 120 circuits total.
 - 20A Bytecraft 483 – 102 circuits total.
 - 20A Bytecraft HiTop – 72 circuits total.
- All Front-of-House and Gallery patch outlets are wired direct to dimmers. All stage and rear stage outlets are wired to a sub-patch panel in the Dimmer Basement.

***Note** – All circuits are terminated in Clipsal 10M20, 20A outlets.

AUXILIARY POWER

- 1x 400A Powerlock USPS.
- 1x 100A Powerlock USPS **OR** 3x 40A 3-phase outlets.
- 2x 400A Gallery Two PS for bolt on (10mm lugs) ***replaces Front-of-House dimming***.
- 2x 40A 3-phase outlets DSPS.
- 1x 40A 3-phase outlet USOP.
- 1x 32A 3-phase outlet USOP.
- 12x 40A 3-phase outlets Gallery Two PS.
- AV – 1x 100A located in Lyric Band Room for bolt on (10mm lugs) **OR** 2x 40A 3-phase outlets.
- AV – 2x 40A 3-phase outlets Orchestra Pit PS.

FOLLOW SPOTS

- 4x Ushio Xebex 2KW Follow Spots.
- The Follow Spot room is above the Balcony Two level at the rear of the Auditorium.
- An alternative Follow Spot Booth is available in the centre of Bridge Three.

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HOUSE LIGHTS

- Crestron Control Panel System linked to Pharos DMX streamer.
- Control can be taken by sACN or DMX input as LTP through a Luminode-4 DMX Node.

LIGHTING EXTRAS

A range of additional lighting equipment and accessories are available for hire on request to the Manager Lighting.

LIGHTING POSITIONS

- Front-of-House:
 - Bridge One, Bridge Two, Bridge Three
 - Balcony One Rail, Balcony Two Rail
 - Balcony One Front PS and OP
 - Slot One, Slot Two, Slot Three (PS and OP)

Angles and distances may be obtained upon request to the Manager Lighting.

- Stage:
 - 7x stage Spot Bars wired each with 36 circuits, six of which are terminated to PS and one to OP with 6x six-way socapex. Each bar has a cable management system along the full length of the batten.
 - 5x six rung lighting ladders PS and OP each, tracking on the **middle** panorama bars.
 - 7x LX looms, each with 7x six-way socapex, 2x Cat 5e, and 2x 5-pin XLR. All looms are on electric winches with 6x hung PS and 1x on OP. Each loom has limited lateral movement DS to US, please discuss requirements with Manager Lighting.

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ALLOCATED LIGHTING INSTRUMENTS

Bridges are the only position that have stock rigged and patched as standard. All other stock is stored offstage and rigged as requested.

• Bridge One	8x Selecon Pacific Zoomspot 1KW – 5/13° 12x Selecon Pacific Zoomspot 1KW – 12/28°
• Bridge Two	6x Selecon Pacific Zoomspot 1KW – 5/13° 24x Selecon Pacific Zoomspot 1KW – 12/28°
• Bridge Three	24x Selecon Pacific Zoomspot 1KW – 5/13°
• Front-of-House, Stage and Ladder allocated stock	9x ETC Source Four 750W – 10° 12x ETC Source Four 750W – 19° 40x ETC Source Four 575W – 19° 100x ETC Source Four 575W – 26° 30x ETC Source Four 575W – 36° 10x ETC Source Four 575W – 50° 14x Selecon Pacific Zoomspot 1KW – 5/13° 36x Selecon Pacific Zoomspot 1KW – 12/28° 8x Selecon Pacific Zoomspot 1KW – 23/50° 8x 120V Par 64 1000W MFL 10x 650W Selecon Acclaim Fresnel 20x 1200W Selecon Fresnel 15x 1200W Selecon PC 80x 2000W Selecon Arena Fresnel 6x 5000W Pollux Fresnel 7x 150W LED Worklight (Warm)
• Boom Trolleys with 3.6m pipe (10 total)	40x ETC Source Four 750W – 26°

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SOUND FACILITIES

• Mixing Console	1x Yamaha M7
• Proscenium Speakers	4x Meyer CQ1 2x Meyer CQ2
• Central Cluster Speakers	5x Meyer UPA1P
• Front Fill Speakers	5x Meyer UPM1P
• Delay Speakers (permanently rigged and patched)	20x Meyer UPM2P
• Sub Woofers	2x Meyer 650P
• Foldback Speakers	4x Meyer UPA1P 2x Meyer USW1P
• Routing and Equalisation	2x Dolby Lake DLP
• Playback Sources	Qlab, Spotify etc
• Microphones	8x Dynamic Microphones
• Communications	Clearcom 4 Loop Talkback System Leon Audio 12 Channel Cue Lights
• Video Monitoring	Stage View Low Light Stage View Conductor View
• ListenTech FM Audio Description / Hearing Impaired System	2 Channels

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

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