

**Detailed venue plans & sections can be obtained from Model Box
telephone: 01837 54026 or buy online at www.thelowrylyrictheatreplan.com**

Get In

Under cover loading bay for three trucks maximum trailer height 4.5m (14ft 6inch)
(2 for the Lyric Theatre and 1 for The Quays Theatre)

Please confirm parking requirements prior to get-in

Bay dimensions: 10.5m (W) x 15.0m (D) x 4.5m (H)

Trucks load into scene store located to the rear of the Lyric stage.

Loading bay floor level to scene store floor level: 1.2m – Dock levellers installed.

Dimensions of dock doors: 6.3m (W) x 3.1m (H)

Scene store dimensions: 14.8m widest point (W) x 14m (D) x 10.5m (H)

Dimensions of opening from scene store to stage: 12m (W) x 9m (H)

Scene store and stage separated by a vertically moving sound / fire door.

(Cannot be open during performance)

Stage Area

Type of stage: Proscenium

Depth of stage from setting line to rear stage wall: 16.2m (Setting line to last flying bar: 14.7m)

Setting line to front of apron: 800mm

Distance from front of apron to rear of safety curtain: 1200mm

Proscenium width: 14m

Proscenium height: 11.2m

False pros variable height (5.5m to 9.5m) and variable width (8.3m to 13.8m)

Maximum width of stage: 29m to counterweight frame stage right

Clear height to grid: 23m

Clearance under lowest stage gallery: 9.5m

Stage floor flat. Hardboard on plywood sub base resting on resilient pads on battens and sleepers. Paint finish, matt black.

Stage floor loading capacity: 7.5kN/sq.m plus point loads of 10kN @ 1.5m centres over 300mm x 300mm square area. **Please check with technical department.**

Seating capacity

Stalls: 819 max (814 with house seat holds)

Circle: 358

Boxes: 48

Upper Circle Lower section: 297

Upper Circle Top section: 281

Standing: 41

Treads loose 6 seats & can only be used with no pit

Sound position looses 25 seats

Small pit looses 17 seats

Medium pit looses 68 seats

Large pit looses 127 seats

Disabled / wheel chair provision at stalls level and first tier boxes

Auditorium treads available SL & SR - Must be confirmed at contract stage

Rigging and flying

Flying operated stage right at fly gallery level.

Automated House Tabs.

79 single purchase 500kg counterweight sets. Please see plan and hanging plot for available bars.

77 cross stage and 2 up/down stage sets.

Counterweight sets 6, 24, 42, & 60 **NOT** suitable for 'live' flying as they are situated behind structural RSJ's. Please contact the Technical Office for more information.

19m ladder truss pipes at 200mm centres on 6 wires. Pipe extensions available.

Pipe travel: 1170mm above stage floor to 450mm below grid.

1 x up/down truss per side each hung on 3 x 1000kg chain motors.

1 x FOH truss hung on 4 x 1000kg chain motors with 3 x rigging positions.

Masking

Adjustable proscenium flown on two sets.

Header on CW3 track with hard legs on CW4 - These are fixed.

A full stock of black serge masking.

For info:	Legs	5m wide x 12m drop
	Borders	19m wide x 6m drop
	Full blacks	2x 10m wide x 12m drop (2 sets)
Also	1 x cyc	19m x 12m
	1 white gauze	19m x 12m
	1 black gauze	19m x 12m

Access equipment and rigging accessories

1 powered personnel lifts, platform height 7.5m working height 9.5m,

1 Large Tallescope platform height 7.5m working height 9.5m,

1 Medium Tallescope platform height 5.9m working height 7.9m,

Stepladders, hand trucks etc. Please call the technical dept. for full details.

Licensing Requirement

All scenic elements should be made up from non-combustible material and/or inherently flame retardant fabrics. Timber scenery should meet Class 1 when tested in accordance with BS 476 Pt 7. The scenery should be visibly stamped to this effect or its standard should be supported by suitable certification.

Temporary electrical supplies

Scene store	1x	125A	SPN	BS 4343 socket
	2x	125A	TPN	BS 4343 socket
	1x	63A	TPN	BS 4343 socket
	3x	63A	SPN	BS 4343 socket
	1x	32A	TPN	BS 4343 socket
Down stage left		400A	TPN	Power Lock (Cam Lock adaptors available)
	2x	125A	TPN	BS 4343 socket
	2x	63A	TPN	BS 4343 socket
	1x	32A	TPN	BS 4343 socket
Up stage right	1x	125A	TPN	BS 4343 socket
	3x	63A	TPN	BS 4343 socket
	1x	32A	TPN	BS 4343 socket
Grid level stage left	1x	125A	TPN	BS 4343 socket
	2x	63A	TPN	BS 4343 socket
	1x	32A	TPN	BS 4343 socket
Downstage right		200A	TPN	Power Lock (Cam Lock adaptors available)
Fly floor stage right	1x	63A	TPN	BS 4343 socket
	1x	32A	TPN	BS 4343 socket
Clean earth supplies:				
Scene store		125A	SPN	BS 4343 socket
Stage left and stage right		125A	SPN	BS 4343 socket
Adjacent to all sound boxes		13A	SPN	BS 4343 twin sockets

Stage lighting

Lanterns are shared between 3 theatres & must be booked in advance. The Lyric & Quays Theatres come with a standard FOH rig, cyc floods and followspots. Charges apply to some items, which are marked POA. **N.B.** Lighting equipment must be rigged & de-rigged for each show the only fixed element of the lighting system is the standard FOH rig & Follow-spots.

Control suite

Situated to the rear of the stalls level with access to the stalls and foyer. Control suite consists of three rooms with interlocking doors, suitable for wheel chair access.

Lighting control – house right – with opening window

Sound control - house centre – with no window

Broadcast / translation room – house left – fixed window

Control

Lighting control room to rear of stalls level. Space available for touring console.

Console: Strand 550 with Genius, Networker, Tracker and WiFi software, 1050 channels.

Displays: VDU 17" x 2 for console and VDU 14" x 2 for production desk.

Back up: Strand 510i.

House lights and working lights are controllable on an AMX system & as DMX channels from the lighting desk on a HTP precedent.

Dimmers

EC90. 504 x 3kw and 54 x 6kw. Please enquire re distribution

Building wide Howard Eton DMX and Ethernet System and Patch including fibre optic link between the two theatres.

Please note that the venue use 760 DMX address for running production/house dimming, and that all overhead dimmer outlets are via SOCAPEX connection.

Lighting Positions

Front slots left and right	(Pros boom position)
Rear slots left and right	(In line with the dress circle ends)
First tier front and sides	(Dress circle front)
Second tier front and sides	(Upper circle front)
Bridge 1	(12m above stage level 3.3m from the iron line)
Bridge 2	(16m above stage level 11.3m from the iron line)
Bridge 3	(16.5m above stage level 16m from the iron line)
Followspot room	(16.5m above stage level 19m from the iron line)
Promenade left and right	(At the side of the 2 nd level of the upper circle)

The first useable bar for rigging LX on is CW 6 & has a standard pre-wired bar of 36 dimmer lines & 3 non dims hung on it

Lantern Stock

FIXED FOH rig

Bridge 1 (only suitable for top light DS and on the apron)

12 x Freedom 18/32	600w
2 x Freedom Fresnels	600w

Bridge 2 (FOH 1)

16 x Alto 14/32	2.5 kw
4 x Toccata 14/32	2.5 kw
4 x Toccata 10/26	2.5 kw

Bridge 3 (FOH 2)

12 x Alto 8/16	2.5kw
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Slot 1 (Pros boom)

12 x Strand Cantata 26/44	1.2kw	6 per side
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Slot 2

12 x Strand Cantata 11/26	1.2kw	6 per side
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Promenade

8 x Alto 8/16	2.5kw	4 per side
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Tab Warmers

4 x Freedom Fresnels	600w
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Profiles

36 x Strand SL 15/32	600w
12 x Strand SL 23/50	600w
6 x ETC S4 19deg	750w
16 x ETC S4 26 deg	750w
8 x ETC S4 36deg	750w
4x Strand Cantata 11/26	1.2kw
12x Strand Cantata 18/32	1.2kw
3 x Strand Cantata 26/44	1.2kw

Fresnels / PC's

20 x Alto Fresnel	2.5kw	(normally allocated to The Lyric Theatre)
12 x Alto Fresnel	2 kw	(normally allocated to The Quays Theatre)
18 x Alto PC	2.5kw	
90 x Cantata Fresnel	1.2kw	
38 x Cantata PC	1.2kw	

Par Cans

90 x Par 64 (52 xCP62: 24xCP61: 6xCP60; 8 x CP62 scroller cans)	
12 x Par 64 CP61 (mounted on 2x 6way bars)	
6 x Par 64 CP60 (mounted on 2x 6way bars)	
24 x Par 64 floor cans (10xCP62: 10xCP61: 4xCP60)	
4 x Bars of 6 Par 64 CP62	
12 x Barn doors	
42 x CE source 4 Pars (24 mounted on 4 x6 way bars)	575w
8 x Barn doors	

Floods

9 x Thomas 4 cell ground row	1kw
9 x Thomas 4 cell Flood battens	1kw
16 x Coda 1	500w
10x Nocturne 1	1kw

Followspots

2 x Robert Juliat Aramis	2.5kw HMI
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Moving Lights POA

4 x Martin MAC 250 moving head profile
6 x Martin MAC 500 moving head profile
8 x Martin MAC 600 moving head fresnel/wash lamp

Miscellaneous items POA

1 x MDG Atmosphere haze machine
1 x Look Solution Unique 2 haze generator
2 x Look Solution Viper NT fog generators
1 x Look Solution Tiny C07 small battery-driven fog generator
2 x 16inch mirror balls
1 x Anytronics DMX strobes
2 x Thunderdroom 3000 DMX strobe
1 x 6 way Le-Maitre Pyro firing unit
1 x Bomb tank
10 x Le-Maitre pyro firing pods – 2 x angled pods
Various birdies
Various stands/cables/multicores etc.

Visiting companies must supply their own gel though a small stock of Pre-cut colour is available F.O.C.

Use of Pyrotechnics, smoke, vapour, laser & other special effects.

The Lowry MUST be informed prior to the production arriving at the venue that a company intends to use special effects. The full details along with risk assessments must be supplied and in some cases these need to be passed to the licensing authorities before authorisation to use them is granted.

Sound and communications

Audio tie line infrastructure

48 way starquad audio tie line loop for microphone circuits, terminating on 3 x 16 way multipin sockets at each stage corner, orchestra pit, sound control room and mixing location centre stalls.

32 way starquad audio tie line loop for output/return circuits, terminating on 2 x 16 way multipin sockets at the sound control room, mixing location centre stalls, audio rack room, communications rack room, stage left and right touring sound location.

Loudspeaker line infrastructure

Bi-amped loudspeaker lines on NL4 sockets to stage, sub-stage, pit, fly galleries, proscenium slots. Non bi-amped loudspeaker lines to side and rear auditorium at all levels and to under balcony delay locations. Loudspeaker lines terminate on loudspeaker patch in comms rack room, with bi-amped lines to off stage left and right touring sound locations.

Sound mixing console

Soundcraft Series 5

36 mic channels /4 Stereo channels/8 Sub groups/10 VCA/12 Aux busses/
16x10 matrix output.

Console is located in the sound control room to the rear of the stalls level. Room is open to auditorium/no window. A further position is available immediately in front of the control room. Dimensions for this auditorium position 3.5m X 2.7m. **This position is subject to management agreement & must be agreed at contract stage as seats need to be removed.**

Installed loudspeaker system

(Suitable for spoken word, theatre playback, comedy, jazz & folk music; For band gigs we would recommend the hire or supply of additional Left/Right or flown PA)

Proscenium sides:	6 x Meyer UPA-1C
Sub bass:	2 x Meyer USW-1
Front fills, stall side fills, 2 nd tier delay:	20 x Meyer UPM-1
Central cluster:	4 x Meyer UPA-1A
Stalls & Circle Delays	16 x D&B E6
Loudspeaker system processing:	Meyer M1A/B-2EX/P-1A A&H iDR8
Power amplifiers: Lab Gruppen	1300C 1600 1200C
D&B	D6

Loudspeakers non-installed (This equipment is shared between 3 theatre spaces corporate facilities & must be booked in advance)

Foldback / effects:	12 x Tannoy T12
	6 x Nexo PS-15
Extra Sub bass	2x Nexo LS-1200
Compact loudspeakers:	2 x Galaxy Hotspot
Control units:	Tannoy TX2
Power amplifiers: Lab Gruppen	1200C

Outboard equipment

1 x PC with control of iDR8 processor & EQ for FOH system
2 x Denon DN-1050 Mini-disc player/recorder with hot start
1 x Neumark twin Compact disc –player

Extra outboard equipment available POA

(This equipment is shared between 3 theatre spaces corporate facilities & must be booked in advance)

3 x BSS FCS-960 Two channel 1/3 equaliser
1 x BSS DPR504 Four channel noise gate
1 x TC electronic D-Two Delay
1 x Yamaha SPX2000 Digital effects
1 x Yamaha SPX990 Digital effects
4 x Drawmer DL251 Two channel Spectral Compressor
2 x Tascam DA40 DAT recorder
2 x Tascam 122 MkIII Cassette recorder
1 x Roland RD-700 Electric piano

Microphones

(This equipment is shared between 3 theatre spaces corporate facilities & must be booked in advance)

9 x Shure Beta 58
8 x Shure 58
4 x Shure Beta 57
6 x Shure 57
2 x Shure Beta 87
6 x Sennheiser MKH40
2 x Sennheiser MKH60
2 x Sennheiser MKH70
4 x Sennheiser Evo drum mics
8 x Crown PCC160
1 x AKG 414B-ULS
1 x AKG 414B-XLS
8 x AKG CK91
3 x Beyer 201
2 x Beyer M1 switched microphone
2 x Beyer M88
1 x Beta Shure 52
10 x BSS Active DI

Selection of stands, cables, connectors etc.

Loudspeaker & Floor Mounted Equipment.

The visiting producer shall ensure that the location of speaker stacks where possible are located upstage of the fire safety curtain, and that if speakers must be located beyond this point that they are securely fixed, do not obstruct sightlines and provide a minimum of 3m separation to the nearest seat which will require the removal of seats prior to the engagement.

In all circumstances no equipment shall obstruct the fire safety curtain.

Radio microphones

The Lowry Technical Department does not own any of their own radio mic's or IEM's. Please contact the Technical Department for hire options

Please check with the technical department for frequencies available in the building, please note we hold a venue licence for shared channel 38 & 69 but this maybe allocated to another production also please be advised that Media City is located next to our venue and uses Channel 38 radio mics. We also hold 12 spot frequencies on channel 65 which are allocated to our corporate AV department, by request some of these frequencies maybe available.

Specific frequency allocations MUST be approved in advance of arrival to avoid clashes with other productions taking place at the same time. The Lowry will not permit the use of radio equipment without this advanced detailed notice.

Stage managers desk

Mobile desk connects either stage left or stage right, paging control and four-channel intercom master station & cue light control, patchable system with boxes normally located at LX control, sound control & fly floor please check for availability of Q-lights boxes and. Desk equipped with two colour and one black & white video monitors.

Ring intercom

Clear-com 4 channel system with outlets on sound boxes. Main and back up power supply. Single channel belt packs and headsets. Comms are normally located at LX control, sound control, fly floor, follow-spots, Stage Mangers desk & 4 onstage sets.

Please check for availability of additional sets.

Video System

A full BNC 75ohm patching system with distribution is available.
3 video cameras: 1 x colour, 1 x B/w Infrared, 1 x B/w pit camera

Infrared listening system

Two channel Sennheiser infrared listening system suitable for use by hearing impaired persons.

Audio show relay system

Full show relay and call system to backstage areas

Bar No.	From edge of stage	From CW 2 (setting line)	From CW 6	Notes
1	1.3	-0.2	-1	Surtitles only
2	1.5	0	-0.8	House Tabs
3	1.7	0.2	-0.6	Hard Header
4	1.9	0.4	-0.4	Adjustable Pros Panels
5	2.1	0.6	-0.2	Show Cloth Only
6	2.3	0.8	0	LX 1 Pre-Wired Bar Not Suitable For Live Flying
7	2.5	1	0.2	
8	2.7	1.2	0.4	
9	2.9	1.4	0.6	
10	3.1	1.6	0.8	
11	3.3	1.8	1	
12	3.5	2	1.2	
13	3.7	2.2	1.4	
14	3.9	2.4	1.6	
15	4.1	2.6	1.8	
16	4.3	2.8	2	
17	4.5	3	2.2	
18	4.7	3.2	2.4	
19	4.9	3.4	2.6	
20	5.1	3.6	2.8	
21	5.3	3.8	3	
22	5.5	4	3.2	
23	5.7	4.2	3.4	
24	5.9	4.4	3.6	Not Suitable For Live Flying
25	6.1	4.6	3.8	
26	6.3	4.8	4	
27	6.5	5	4.2	
28	6.7	5.2	4.4	
29	6.9	5.4	4.6	
30	7.1	5.6	4.8	
31	7.3	5.8	5	
32	7.5	6	5.2	
33	7.7	6.2	5.4	
34	7.9	6.4	5.6	
35	8.1	6.6	5.8	
36	8.3	6.8	6	
37	8.5	7	6.2	
38	8.7	7.2	6.4	
39	8.9	7.4	6.6	
40	9.1	7.6	6.8	
41	9.3	7.8	7	
42	9.5	8	7.2	Not Suitable For Live Flying
43	9.7	8.2	7.4	
44	9.9	8.4	7.6	
45	10.1	8.6	7.8	
46	10.3	8.8	8	
47	10.5	9	8.2	
48	10.7	9.2	8.4	
49	10.9	9.4	8.6	
50	11.1	9.6	8.8	

51	11.3	9.8	9	
52	11.5	10	9.2	
53	11.7	10.2	9.4	
54	11.9	10.4	9.6	
55	12.1	10.6	9.8	
56	12.3	10.8	10	
57	12.5	11	10.2	
58	12.7	11.2	10.4	
59	12.9	11.4	10.6	
60	13.1	11.6	10.8	Not Suitable For Live Flying
61	13.3	11.8	11	
62	13.5	12	11.2	
63	13.8	12.3	11.5	
64	13.9	12.4	11.6	OUT OF SERVICE !!!
65	14.1	12.6	11.8	
66	14.3	12.8	12	
67	14.5	13	12.2	
68	14.7	13.2	12.4	
69	14.9	13.4	12.6	
70	15.1	13.6	12.8	
71	15.3	13.8	13	
72	15.5	14	13.2	
73	15.7	14.2	13.4	
74	15.9	14.4	13.6	
75	16.1	14.6	13.8	
76	16.3	14.8	14	
77	16.5	15	14.2	
78	Stage Right	0	0	
79	Stage Left	0	0	