

Letchworth
Garden City
Heritage Foundation

BROADWAY¹ **CINEMA** **THEATRE**

TECHNICAL INFO AND SPEC 2020

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BROADWAY CINEMA AND THEATRE
EASTCHEAP
LETCHWORTH GARDEN CITY
HERTFORDSHIRE
SG6 3DD

GET IN / ACCESS

Please note there is no stage door. On arrival please park and walk to the main entrance, if the building is closed to the public please press the buzzer to the left of the main doors.

Access via internal loading bay with cargo lift to stage level (3000kg max).

Door for vehicle access: 2.79m wide x 3.7m high.

Lift dimensions: 3.48 long x 1.85m wide x 2.45m high, doors 1.6m wide x 2.3m high.

Vehicles may be kept inside during daytime and performances but must be moved outside overnight.

Access to the internal loading bay is via Gernon Road, which is to the right hand side of the building as you approach. Please note this is a one-way road, and there are parking restrictions in place.

BACKSTAGE/DRESSING ROOMS

Two dressing rooms at stage level (rear of stage in the crossover).

Dressing rooms each have mirrors, lights, power sockets, audio and video show relay, paging, showers and WCs. There is also an additional accessible shower/WC in dressing room 1.

Each dressing room has space for approx. 8 people seated.

Green Room and Laundry Room located on the mezzanine floor. These can be accessed via the cargo lift and the stairs. It is one floor below the dressing rooms.

Green room has audio and video show relay and paging, a microwave, fridge, dishwasher and tea/coffee making facilities. Additional accessible shower/WC on this floor.

Laundry Room has washing machine and tumble dryer.

STAGE

Flat wooden stage floor painted matt black.

Max Loading: 5kN/m² (distributed), 3.6kN (point load - over 300mm²)

Proscenium opening: 11.9m wide x 5m high (to pelmet)

Depth (cross-over wall) from back of proscenium: 5.2m

Depth of forestage: 3m max

Depth of stage (front edge to back wall): 8.2m

Stage centre line to stage right wall (Includes SR Wing Space): 8.5m

Stage centre line to stage left wall (Includes Wing Space): 9.4m max/7.7m min

Supporting Grid height; 5.8m (downstage)/4.5m (upstage)—Raked grid

Stage Suspensions

Motorised draw house tabs with open/close/stop controls DSR & in control room. Fixed speed- approx. 10 seconds from open to closed.

1x midstage full blacks on manual rope pull track.

Full blacks on swipe track track at rear of stage.

Cyclorama: Up-stage cross-over wall painted white.

Permanent masking legs and borders at fixed heights.

Roll up 3D cinema projection screen – Permanently hung 1.27m upstage of proscenium, rigged 5m high (Not for Theatre Use).

4 x lighting/suspension bars on motorised hoists operated from SL, each 11m long SWL 250kg uniformly distributed along the bar.

Bar locations: 750mm, 1.95m, 3.15m, & 4.35m upstage of proscenium.

Permissible additional point load per RSJ: 1 x 150kg load only at any point on the steel.

24 Cast iron 12.5kg stage weights.

2m max adjustable stage braces.

3m max adjustable stage braces.

1 Tallescope Model 9812. Max height 5.6m

1 Zarges (9 rung) 3x9; 2.70=>4.70=>6.70m.

6x Prolyte StageDex 2m x 1m (with 600mm or 300mm legs)

LIGHTING

Fixed FOH lighting bridge recessed into ceiling void (in two 3m sections, 0.5m either side of Centre), accessible from above. SWL 120kg evenly distributed along each bar.

Hinged FOH lighting ladder each side of auditorium, at a height of 3.5metres above auditorium floor level. 3 cross bars 750mm long, 600mm apart. SWL 20kg per bar.

4 x stage lighting/suspension bars (as above).

2 x Follow spot locations in technical gallery on each side at rear of auditorium.

Control

Lighting control console: ETC Ion. Operated from control room or rear auditorium technical gallery SR (if required).

Dimmers & Small Technical Power

Zero 88 Chilli Pro 2410i by-pass hard-wired dimmers (3 No 24-way racks).

Circuits locations as follows:

FOH Bridges: 12 x 10A + 2 x 16A HP & 2 x 13A HP.

FOH Ladders: 6 x 10A + twin 13A HP each side.

Lighting Bars: 8 x 10A + 1 x 16A HP & 1 x 13A HP available for each of 3 No lighting bars.

Stage: 6 x 10A + 1 x 16A HP, 1 x twin 13A HP & 1 x twin 13A sound power DSL, DSR, USL & USR.

DMX & Data

15 x DMX-out connectors distributed around all principal lighting positions.

2 x active 3-out DMX splitter in DMX patch panel in control room.

House Lights

LED house lighting controlled by 5-button scene setting controller DSR, and either in control room, or on SR auditorium gallery (if required).

Working Lights

5x LED flood lights at high level above stage for general work lighting.

Whites/Blues to stage access areas.

Loose Lighting Equipment

ETC Source Four Junior 25'-50' Black	10
ETC Source Four Junior Fixed 26' Black	8
ETC Source Four Zoom Black	2
ETC Source Four Fresnel Black	10
Spotlight Sintesi Area 05 650W Fresnel Black	16
ETC Desire D40 Vivid LED	2
ROBE 250	2
Slim PAR Pro RGBA	10
Strand CODA 500/3	5
PAR 64 Standard Black	10
Short nose PAR 64 Black	6
LDR Canto 1200 MSR Follow spots (with stands)	2
Spotlight Cyclorama LED RGBW	2

Accessories

- 6 x tank trap bases with booms and arms.
- 1.2/3.5m stands plus spigots.
- 750mm T-bars.

Spare Power Supplies

- 63A TP+N spare general power DSL.
- 32A TP+N spare general power DSL
- 32A SP+N spare sound power DSR + DSL.
- Technical earth on all sound power supplies.

SOUND

Control

Allen & Heath GLD-80 digital mixer

AR2412 (24 XLR inputs, 12 outputs) located DSL.

AR84 (8 XLR inputs, 4 outputs) located at sound desk.

Communications

Intercom: Twin ring, with 11 outlets.

Comms: 5 x Techpro Beltpacks + Headsets

Assisted hearing system: Link to infrared radiator to each side of proscenium.

Show Relay: 2 x Audiotechnika 8035 mics rigged on Auditorium ladders

Amplification

Allen & Heath IDR8 in sound/comms racks in control room lobby.

3x EM Acoustics AQ3 4-channel units in sound/comms racks in control room lobby.

Outboard gear

Tascam CD200iL CD player with iPod deck

Minijack input at sound desk

Main speaker system

Centre cluster: 2x EM Acoustics EMS-81X.

Prosc L+R: 1x EM Acoustics EMS-121X each side.

Rear aud delay centre 2x EM Acoustics EMS-81X.

Rear aud delay L+R: 1x EM Acoustics EMS-61X each side.

Subs prosc L+R: 1x EM Acoustics EMS-112 each side.

Active Monitor Speakers

DB Technologies Flexi FM 12 Wedge Monitors/FX speakers	3
QSC K10.2	3

Microphones

Shure Beta 58A	4
Shure SM58	2
Shure SM57	2
AKG 300b with CK91 Microphone capsules	2
Sennheiser MD 421 II	1
Audio Technica AT8015 Condenser Shotgun	2
Audio Technica Pro45 (with hangers)	4
Audio Technica MB 4K Cardioid Condenser	2
Audio Technica MB 5K Cardioid Dynamic	4
Audio Technica MB 6k Cardioid Dynamic Kick mic	1
Sennheiser Radio belt pack	3
Sennheiser Radio Hand Held	3
Canford EMO E520 DI Box	4

PROJECTION

Kinoton DCP 30 MX II-4K Projector in projection room at rear of auditorium.

This is a professional cinema grade projector and requires HDMI input if being used with a laptop/computer. Image can be scaled and focused onto back wall Cyclorama if required. In-house laptop available for powerpoint presentations, but please send files in advance so they can be tested prior to the day of the event.

Main Auditorium with cinema screen in



Main auditorium with cinema screen out

