

LA4C

Immersive auditoriums | Post production | Premium large format

Ribbon driver line array ceiling surround loudspeaker for cinema auditoriums

CHRISTIE®
VIVE AUDIO 

Key features:

- › **True to the source** – accurate reproduction of the soundtrack using low mass drivers
- › **Expanded sweet spot** – up to four times the optimal listening area than competing system
- › **Easy to install** – versatile installation with variety of M8 and M10 fittings
- › **Extended listening comfort** – distortion-free signal reproduction for no listening fatigue through the movie
- › **Exceptional acoustics** – clear and expansive sound with higher dynamic range
- › **Delivers emotion in every scene** – greater impact when loud, better detail when quiet

PLANAR RIBBON DRIVERS

Ultra-low mass high frequency drivers with 10x less distortion

SINGLE CABINET DESIGN

Christie's Cinema-centric line array for superior coverage and focused sound

PATENTED PARABOLIC ARRAY

Exceeding the most demanding immersive format performance requirements



Specifications

Christie LA4C (145-144100-01)

System type	<ul style="list-style-type: none"> Fixed articulate ribbon driver line array, 2-way, passive, in a single sealed enclosure
Driver components	<ul style="list-style-type: none"> 8 x 6" ribbon drivers with Kapton® diaphragm and Neodymium magnets 8 x 6.5" paper/Kevlar composite mid-bass drivers
Crossover	<ul style="list-style-type: none"> Linear phase, passive, symmetric crossover @ 1.5kHz, 24dB/octave
Frequency response ¹	<ul style="list-style-type: none"> 60Hz-20kHz @ -6dB
Maximum SPL ²	<ul style="list-style-type: none"> 130dB (AES) continuous 142dB peak
System coverage ³	<ul style="list-style-type: none"> 120° horizontal dispersion 100° vertical dispersion
Sensitivity ¹ , 1W/1m	<ul style="list-style-type: none"> 100dB (200Hz-3kHz)
Power handling ²	<ul style="list-style-type: none"> 1000W (AES) continuous 2000W (IEC) short term
Recommended amplifier power	<ul style="list-style-type: none"> 735-1330W (FTC) @ 5 ohms
Rated impedance	<ul style="list-style-type: none"> 5 ohms
Input connectors	<ul style="list-style-type: none"> Screw terminal barrier strip
Enclosure	<ul style="list-style-type: none"> Vented box alignment 18mm marine plywood Heavily damped and braced
Mounting options	<ul style="list-style-type: none"> Ceiling mounted using 4 x M8 points Flown using 4 x M10 fly points
Accessories (optional)	<ul style="list-style-type: none"> Allen Products MultiMount MM-3RDX-120 (111-684200-01) for ceiling mounting 1 x Allen Products RK-4C Rigging Kit 4 x Cables (111-685201-01) for flying⁴ 18" Safety Cable (003-006320-01) 72" Safety Cable (003-006321-01)
Dimensions	<ul style="list-style-type: none"> (LxWxH) 14.1 x 10.6 x 48.0" (358 x 268 x 1218mm)
Net weight	<ul style="list-style-type: none"> 90lbs (41kg)
Warranty	<ul style="list-style-type: none"> Limited 5-year warranty

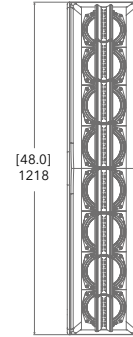
¹ Measured at distances of 4m and 8m in simulated, free field and ground plane conditions. Sensitivity is calculated based on measured SPL response averaged in 200Hz-5kHz range and scaled back to 1m.

² AES refers to AES2-2012 standard. IEC refers to IEC 60268-5 standard. Max SPL calculated based on sensitivity and power handling. IEC short-term power tested using IEC pink noise with 9dB crest factor. The crest factor was specifically increased to reflect real-life parameters of digital cinema sound tracks. Maximum peak SPL calculated using peak voltage during IEC short-term power test.

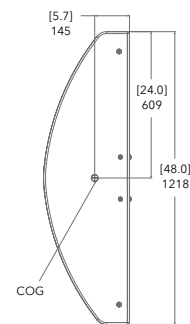
³ Averaged in 500Hz-16kHz range, at -6dB.

⁴ 4 cables required when flown. See User Manual for details.

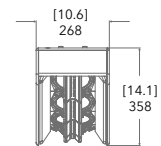
Front view



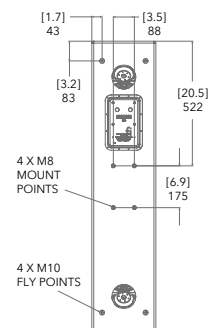
Top view



Side view



Back view



Corporate offices

Christie Digital Systems USA, Inc.
Cypress
ph: 714 236 8610

Christie Digital Systems Canada Inc.
Kitchener
ph: 519 744 8005

Worldwide offices

Australia
ph: +61 (0) 7 3624 4888

Brazil
ph: +55 (11) 2548 4753

China (Beijing)
ph: +86 10 6561 0240

China (Shanghai)
ph: +86 21 6030 0500

Colombia
ph: +57 (318) 477-3179

Eastern Europe
ph: +36 (0)1 47 48 138

France
ph: +33 (0) 1 41 21 44 04

Germany
ph: +49 221 99 512-0

India
ph: +91 (080) 6708 9999

Mexico
ph: +52 55 4744 1790

Singapore
ph: +65 6877 8790

South Korea
ph: +82 2 702 1601

Spain
ph: +34 91 633 9990

United Arab Emirates
ph: +971 (0) 4 503 6800

United Kingdom
ph: +44 (0) 118 977 8000

United States (Arizona)
ph: 602 943 5700

Independent sales consultant offices

Italy
ph: +39 (0) 2 9902 1161

Russia
ph: +7 (495) 930 8961

For the most current specification information, please visit christiedigital.com

Copyright 2020 Christie Digital Systems USA, Inc. All rights reserved. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Performance specifications are typical. Due to constant research, specifications are subject to change without notice.
CINE0119-LA4C-Datasheet-Jan-2020-EN-US



CHRISTIE®