



L C F - 5 9 9 L O U D S P E A K E R

The E-coustic Systems LCF-599 is a three way loudspeaker based on the industry's first high-output coaxial assembly to be free of major shortcomings in electro-acoustic performance. The LCF-599 is unique in its use of optimally-shaped horns for mid and high frequency sections. This feature is essential in maintaining the desired directivity behavior over the widest possible range of frequencies. Both horns incorporate a new multi-transition-al shape that eliminates high-frequency beam-ing. This horn shape causes no off-axis loss of high frequencies or crossover range response anomalies common to alternative devices.

The E-coustic Systems LCF-599 will generate full range sound over their entire coverage area - and this power uniformity is essential to providing a realistic acoustical soundfield. Mid and high frequency sections of the LCF-599 behave acoustically as a single device, resulting in a mid-high crossover transition that is seamless at any angle. The ability to faithfully reproduce complex transient signals enhances both intelligibility and musicality.

The LCF-599 is utilized in E-coustic Systems system designs with high ceilings, outdoors, or when high acoustical output is required. Its combination of broad coverage, vivid transient response, wide bandwidth, and high maximum acoustic output enable seamless integration with other E-coustic Systems components.

LCF-599 LOUDSPEAKER



SPECIFICATIONS

Bandwidth 60Hz-15kHz +/- 3.5 dB
Power Handling 350 Watts
Sensitivity (2.83vrms/1m) 99 dB SPL
Impedance (Nom./Min.) 8©/5.6©
Transducers 1 ea. 10" (254mm) MF,
1 ea. 1" (25mm) HF driver,
ferrofluid cooled
1 ea. 15" (381mm) LF
Crossover Frequencies 200Hz, 1700 Hz
Input Connection Recessed Barrier Strip,
Weight 120lb (54.5 kg)
Dimensions 17 5/8" (387mm) x 34 5/8"
(880mm) x 12 5/8" (321mm) D
Construction (Indoor) MDF panels, GRP
horns; (Outdoor) marine
plywood panels, GRP horns

Directivity (Octave Averaged)
Frequency Coverage (H x V) Q
250Hz 200° Conic 1.7
500Hz 115° Conic 4.5
1kHz 100° Conic 6.9
2kHz 135° Conic 5.1
4kHz 110° Conic 8.7
8kHz 135° Conic 4.7