



L
C
F
-
4
9
9
L
O
U
D
S
P
E
A
K
E
R

The E-cooustic Systems LCF-499 is a full range, high output, three way loudspeaker that provides excellent power uniformity and output capacity. It is designed for use in high ceilings, stages, outdoor applications, and situations where greater overall sound power is required. The LCF-499 is unique in its use of horns for mid and high frequency sections. They behave acoustically as a single device, resulting in a crossover transition that is seamless at any angle. This feature is essential in maintaining power uniformity over the widest possible range of frequencies.

The HF horn incorporates a new multi-transitional shape that eliminates high-frequency beaming. This horn shape not only eliminates off-axis high frequency loss, but also overcomes crossover range response anomalies common to alternative devices.

These technologies enable the LCF-499 to generate high fidelity full range sound over its entire coverage pattern. Its combination of broad coverage, vivid transient response, wide bandwidth, and high maximum acoustic output enable seamless integration with other E-cooustic Systems components.

LCF-499 LOUDSPEAKER



SPECIFICATIONS

Bandwidth:
50Hz-15kHz +/- 3.5 dB
Sensitivity:
(2.83vrms/1m) 97 dB SPL
Impedance:
(Nom./Min.) 8W/5.6W
Power Handling:
350 Watts
Input Connection:
Recessed Barrier Strip, Neutrik Speakon optional
Transducers:
1 ea. 8" (203mm) MF, 1 ea. 1" (25mm) HF driver
(ferrofluid cooled), 1 ea. 12" (305mm) LF
Crossover Frequencies:
200Hz, 1700 Hz

Directivity:
(Octave Averaged)
Frequency Coverage (H x V) Q
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
Enclosure:
(Indoor) MDF panels, GRPhorns; (Outdoor)
marine plywood panels, GRP horns.

Finish:
Black paint
Dimensions:
17 5/8" (448mm) x 31 5/8" (804mm) x
14.25" (362mm) D
Weight:
102lb (46.4 kg)