

EIDOS 265 LA



FEATURES

- Turnkey solution for mid-sized shows and installations
- Small footprint - Low visual impact
- 100° horizontal nominal dispersion
- Two-way system with internal passive cross-over
- Designed for single amplifier channel operation
- Compact trapezoidal design
- Integrated ultra-light flying hardware
- Up to 16 enclosures can be arrayed
- Flying hardware integration with Outline's FLYSUB 15
- Available in RAL specified colours to suit any decor

APPLICATIONS

Front of House reinforcement system. Designed for small to medium-sized touring and installed applications - Theatres, houses of worship and live clubs. Excellent and cost-effective solution for voice amplification, live music reproduction and program material.

DESCRIPTION

EIDOS 265 LA is a passive loudspeaker line array element. It features two 6.5" mid-woofers (1.75" voice coil and ferrite magnet) and a 1.4" throat-exit compression driver (2.5" voice coil) on a dedicated waveguide. Between the two bandwidths, filtering is carried out by an internal passive cross-over, utilizing top-grade components. Up to 4 cabinets can be powered from a single channel of Outline's T5-DSP amplification. Each EIDOS 265 LA has a nominal impedance of 8 Ω and can handle up to 500 W AES and 2000 W peak. Connection is in the form of two NL4 wired in parallel.

The two mid-woofers are bass-reflex loaded and are housed within the baffle located at the front of the enclosure, creating a semi-direct radiation system. The HF driver is loaded onto the waveguide which features an acoustic lens, specifically designed to obtain perfect summation between HF sections when coupled in an array configuration. The HF assembly is placed between the woofers. This gives a controlled, symmetrical horizontal dispersion (nominally 100°). The vertical dispersion is sufficiently narrow to create a vertical array, but is wide enough to create a predictable coverage when used in a 'curved' configuration (which is suggested for this array type).

In order to ensure extremely high resistance to stress, corrosion and abrasion. The integrated suspension hardware is designed from a combination of top quality materials and industrial treatments. The result is a rigging system that is light weight, simple to operate and set up. The array angles between enclosures is selectable from 0° to 10° with a 1° step and up to sixteen EIDOS 265 LA can be flown in the same array. The light-weight aluminium suspension frame allows the creation of both flown and stacked arrays. If necessary, the array's low-frequency response can be extended via one or more FLYSUB 15 bass-unit.

The cabinet is built from high-quality birch plywood, the trapezoidal shape is optimized in order to achieve a very compact size. A sturdy steel painted grille, internally covered by sound-transparent foam, provides superior physical protection for the components housed at the front of the system. Four recessed handles facilitate handling and dedicated flight-cases make transportation easy and safe.

TECHNICAL SPECIFICATIONS (PRELIMINARY DATA)

FREQUENCY RESPONSE (processed)

(-10 dB) 63 Hz ÷ 20 kHz
 (± 3 dB) 108 Hz ÷ 20 kHz

AVERAGE DISPERSION

Horizontal 100°
 Vertical Depending on array height and curvature

IMPEDANCE (Ω)

Nom (min) 8 Ω (6.1 Ω @ 212 Hz)

SENSITIVITY (ref. 1 W, 1 m, Free-field)

95 dB SPL

POWER - W AES

Cont. 500
 Peak (+6 dB) 2000

MAX SPL @ 1 m,

Free-field (calculated) Cont. 122
 Peak (+6 dB) 128

LOUDSPEAKERS AND LOADING

Low 2 x 6.5" (187 mm) woofer, 1.75" (44 mm) voice coil, bass reflex loaded, semi-direct radiation system
 High 1.4" compression driver, 2.5" (64 mm) voice coil, wave-guide loaded

CONNECTORS

Low/High 2 x NL4
 pin 1+ (pos); pin 1- (neg)

WEIGHT DIMENSIONS

	Single Unit	Shipping (1 unit)
Height	23.4 cm (9.2")	31 cm (12.2")
Width	55 cm (21.7")	64 cm (25.2")
Depth	41.8 cm (16.5")	49 cm (19.3")

INSTALLATION SERIES