STADIA 100 LA

The **STADIA100 LA** range comprises three loudspeaker modules of very similar dimensions but identical horizontal directivity (100°) and which offer a choice of 10°, 20° or 30° dispersion in the vertical plane allowing modules to be combined to provide optimum coverage for the location. This allows the system designer to create a sound reinforcement solution that is extremely accurate at distance, which keeps audible reflections and thus unwanted reverberation to a minimum and so providing maximum intelligibility.









Cena:
Kategorie: Audio, Scena, Głośniki, Instalacje AV, Nagłośnienie obiektów

GALLERY IMAGES









OPIS

The acoustic and physical performance of the **STADIA100 LA** range is a result of several different design criteria. These include frequency- specific coupling of dedicated components by carefully-controlled proximity, the design of our own **D.P.R.W.G.** waveguides, special mid/high- frequency horns (Outline’s **V-Power** Concept) and the physical construction of the enclosure including resonance-eliminating internal and external bracing and our unique system of weatherproofing.

All three variants are two-way active designs, each containing eight 8” mid-range transducers and four 1.4” exit compression drivers mounted on Outline’s unique D.P.R.W.G. wave guide which provide the designated vertical directivity. Each module can handle in excess of 8 kW peak input power, will produce a maximum SPL of 149 dB and coherent reproduction down to 300 Hz with full directional control. The frequency response of each module is 65 Hz to 19 kHz.

The enclosures are constructed from birch ply finished with ‘**outSIDE**’, an extraordinarily tough and waterproof elastoplastic coating which interacts with the cabinet material to provide extreme levels of long-term protection. The front grille is treated with an epoxy and polyester-based thermosetting powder paint and matched to an acoustically transparent waterproof sheet, so protecting the components from moisture and other contaminants, while amplifier connections are recessed so that a weatherproof plate with cable retention can be fitted. The **STADIA100 LA** modules are all fitted with eight (8) M10 rigging points made of corrosion-resistant anodized aluminium alloy (Ergal) allowing plenty of mounting options.

All three **STADIA100 LA** models can be freely integrated with their companion subwoofer **STSUB-215**. DSP system control and amplification for all modules are also available from the current Outline product range.

Outline’s new **STADIA100 LA** range delivers a lightweight and cost-effective integrated solution for permanent installation in very large spaces that is simple to design and deploy, highly efficient, powerful, accurate and designed for purpose.

Features

- STADIA100 LA range addresses acoustically challenging environments such as sports stadia, arenas and other very large spaces used for major public gatherings
- Extremely high efficiency and power handling capability (peak input power in excess of 8 kW)
- Extremely high SPL (149 dB Peak)
- Unprecedented coherent reproduction down to 300 Hz with full directional control
- 8 x 8″ woofers (2″ voice coil)
- 4 x D.P.R.W.G. wave guide loaded compression drivers (1.4″ exit, 3″ diaphragm)
- Finished with the exclusive ‘**outSIDE**’ coating, featuring amazing durability and superior physical properties
- **IP55 protection**
- Fitted with eight (8) M10 rigging points allowing plenty of mounting options

STADIA 100-10 LA

Nominal Dispersion	100° x 10° (H x V)
Continuous SPL Output *	139 dB SPL
Maximum SPL Output *	149 dB SPL
Height	913 mm – 36”
Width	770 mm – 30 3/8”
Depth	670 mm – 26 3/8”

STADIA 100-20 LA

Nominal Dispersion	100° x 20° (H x V)
Continuous SPL Output *	138 dB SPL
Maximum SPL Output *	148 dB SPL
Height	952 mm – 37 1/2”
Width	770 mm – 30 3/8”
Depth	670 mm – 26 3/8”

STADIA 100-30 LA

Nominal Dispersion	100° x 30° (H x V)
Continuous SPL Output *	137.5 dB SPL
Maximum SPL Output *	147.5 dB SPL
Height	998 mm – 39 1/4”
Width	770 mm – 30 3/8”
Depth	670 mm – 26 3/8”

** calculated using +10 dB Crest Factor signal @ 1 m, Free Field*

PERFORMANCE SPECIFICATIONS

Frequency Response -10 dB	65 Hz – 19 kHz

Operating configuration	Bi-amplified
Impedance Midrange (Nom/Min)	4 Ω / 3.2 Ω
Impedance High (Nom/Min)	8 Ω / 8.1 Ω
Watt AES Midrange (Continuous/Peak)	1600 W / 6400 W
Watt AES High (Continuous/Peak)	480 W / 1920 W

PHYSICAL

Component Midrange	8 x 8” band-pass loaded woofer
Component High	4 x 3” compression driver, DPRWG loaded
Connectors	8 Pole parelled barrier strip
Cabinet Material	Baltic birch plywood
Cabinet Finish	WP elasto-plastic coated
Grill	Epoxy powder coated
Installation Points	8 x M10 threaded points
Handles	6 handles
Weight	73 kg – 161 lb