

P628 - LOUDSPEAKER



Above Screen LCR

INTRODUCTION

Procella's Above Screen full-range loudspeaker is especially designed for cinemas where placement behind an acoustically transparent screen is not possible. For high-performance home theatres and screening rooms incorporating a Video Wall micro-LED display or a solid projection screen, the P628 is the LCR speaker of choice. The P628 is a 2x 8" three-way main speaker. With bass extension to 40 Hz, the P628 meets cinema requirements for a full-range speaker, freeing listeners from the sonic limitations of speakers using an 80Hz subwoofer crossover point.

TECHNICAL SPECIFICATIONS

Impedance	8 ohms nominal (each input)
Power Handling	
Low Freq Peak	400W continuous, 1,200W
High Freq Peak	100W continuous, 300W
Frequency Response	
-3dB	40Hz and 20Hz
Maximum SPL	
On wall	116dB continuous 122dB peak
Dispersion Pattern	
-6dB	Constant directivity; 90°H x 60°V from 2.0kHz
Sensitivity	
1m/1W	93dB
Crossover	Asymmetrical Linkwitz-Riley 2.0kHz, BSC (internal to P6) 150Hz (external DSP required)
External amplification is required	Procella amps sold, packaged separately, see tech sheets for specs.
Recommended amplifier	Please see Procella recommended amplifier sheet

Components	
Low Frequency	2x 8" long throw driver with 40mm voice coil
Midrange	6.5" driver with 40mm voice coil
High Frequency	1" neodymium driver with a polyes- ter diaphragm on elliptical constant directivity waveguide
Construction	Void free MDF internally cross braced
Mounting	M10 bolts on sidepanels
Dimensions	
HxWxD	28.7" x 11.8" x 6.9" 730 x 300 x 250/170mm
Shipping Carton	
HxWxD	31.5" x 15.7" x 11.8" 800 x 400 x 300mm
Net Weight	55.12 Lbs / 25 Kg
Shipping Weight	59.52 Lbs / 27 Kg
Assembly	Sweden; 100% QC testing

