



passive loudspeaker P8iW

LCR - Wide - Surround - Height



INTRODUCTION

Based on the award-winning Procella P8 loudspeaker, the P8iW is highly flexible and the optimal high performance in-wall/in-ceiling solution for Dolby Atmos, Auro-3D, and DTS:X immersive audio systems. Its tweeter and waveguide are angled at 15 degrees, giving designers the ability to place all speakers to provide optimal dispersion, whether used for a Top/Height channel, a Wide channel, or an ear-level Main or Surround channel. The key is the P8iW's circular waveguide and square enclosure/grille shape. Regardless of the number of channels in a system, each speaker can be oriented so that its high frequencies are directed towards the listeners, while its grille remains visually symmetrical with all the other speakers, whether the speaker needs to be aimed backwards, forwards, sideways, or down.

TECHNICAL SPECIFICATIONS

Impedance	8 ohms nominal Above 10 Ohm working range Phase angles less than 30 degrees
Power Handling Continuous Peak	250W 1,000W
Frequency Response - 3 dB	70Hz and 20kHz
Maximum SPL free standing in wall	116dB continuous 122dB peak 122dB continuous 128dB peak
Dispersion pattern -6dB	Constant directivity 90° symmetrical from 1.5kHz with 15° tilt
Sensitivity 1m/1W	92dB
Crossover	4th Order Linkwitz-Riley 1,6kHz, BSC

Components Midrange High Frequency	8" high output driver with 50mm voice coil in 26 litre sealed box 1.5" driver with a Polyester diaphragm on elliptical constant directivity wave guide
Connectivity	Gold plated spring terminals
Cut out dimensions HxWxD	19.3" x 19.3" x 7" 490 x 490 x 180mm
Construction	Void free MDF internally cross braced Studio grade vinyl enclosure
Included	White and black grille
Dimensions HxWxD	20.9" x 20.9" x 7" 530 x 530 x 179mm
Shipping Carton HxWxD	23.7" x 23.7" x 15.6" 600 x 600 x 400 mm
Net weight	28,5 Lbs / 12,9 Kg
Shipping weight	37,5 Lbs / 17 Kg
Assembly	Sweden; 100% QC testing