



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	250W
Peak	1,000W
Frequency Response	
- 3 dB	70Hz and 20kHz
Maximum SPL	
free standing	116dB continuous 122dB peak
in wall	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	8" high output driver with 50mm voice coil in 26 litre sealed box
High Frequency	1.5" driver with a Polyester diaphragm on elliptical constant directivity wave guide

Connectivity

Gold plated spring terminals

Cut out dimensions

HxWxD
490 x 490 x 180mm

Construction

Void free MDF internally cross braced
Studio grade vinyl enclosure

Included

White and black grille

Dimensions

HxWxD
530 x 530 x 179mm

Shipping Carton

HxWxD
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