

See nothing, hear everything

The combination of convenience and performance that is a feature of the entire Custom Installation range is no better demonstrated than by the CCM 746S ceiling speaker. It marries a woven Kevlar® coned twin voice-coil 165mm (6½ in) bass/midrange driver with an offset array of two high performance 25mm (1 in) aluminium dome tweeters. Thanks to its highly accurate and natural sound, Kevlar® features on our most advanced high performance hi-fi speakers and it brings the same qualities to the CCM 746S. The twin voice coils and tweeters combine the stereo signal to enable the use of just one ceiling speaker in an installation zone without the loss of one audio channel. The CCM 746S also includes three-way switchable high frequency equalisation.

Technical Specification

Technical features	Two adjustable aluminium dome tweeters Woven Kevlar® cone mid/bass Three-position EQ switch
Description	2-way dual channel in-ceiling speaker system
Drive units	2x ø25mm (1 in) aluminium dome high-frequency 1x ø165mm (6.5 in) woven Kevlar® cone mid/bass
Frequency range	-6dB at 40Hz and 22kHz
Frequency response	50Hz-20kHz ±3dB on reference axis
Sensitivity	86dB spl (2.83V, 1m)
Nominal impedance	8Ω (minimum 3.0Ω)
Crossover frequency	3.2kHz
Recommended amplifier power	20W - 130W continuous into 8Ω on unclipped programme
Frame size	Diameter: 232mm (9.1 in)
Cut-out size	Diameter: 205mm (8.1 in)
Min depth req	101mm (3.9 in) from ceiling surface
Net weight	1.6kg (3.5lb)
Finish	Semi-matt white suitable for customising or pre-painting (paint mask included)
Accessories	Pre-mount kit for new construction (PMK c65)



CCM 746S

Architectural and Engineering Specifications

The loudspeaker system shall be of the dual-amped 2-way type comprising of a single flush mountable circular enclosure containing one, twin voice coil, 6.5in bass-mid driver with woven Kevlar cone and two, off set mounted, 1in aluminium dome tweeters, with 3 position EQ switch.

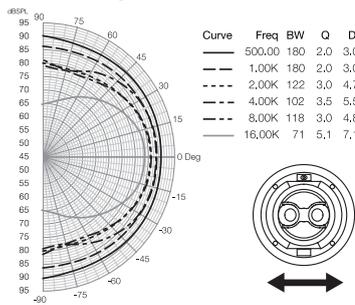
Performance specifications of a typical production unit shall meet or exceed the following:

Frequency response shall be 50 – 20kHz \pm 3dB. Nominal impedance shall be 8 Ohm. Total power handling shall be 130W continuous into 8 Ohm on unclipped programme. Sensitivity measured with 2.83V at 1-meter distance on axis, mean averaged between 50 – 20kHz shall be 86dB.

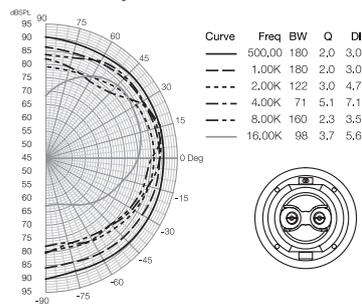
External dimensions shall be 232mm (9.1in) diameter x 105mm (4.1in) depth. Total weight shall be 1.6kg (3.5lb).

The loudspeaker system shall be the B&W CCM 746S. No other system shall be acceptable unless the above combined performance are equalled or exceeded.

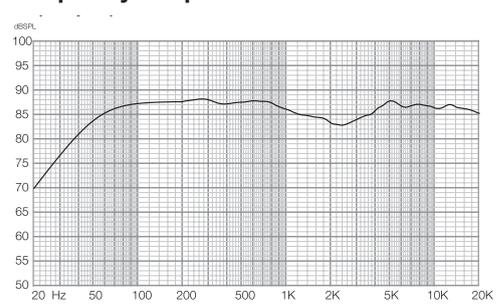
Polar Response Horizontal



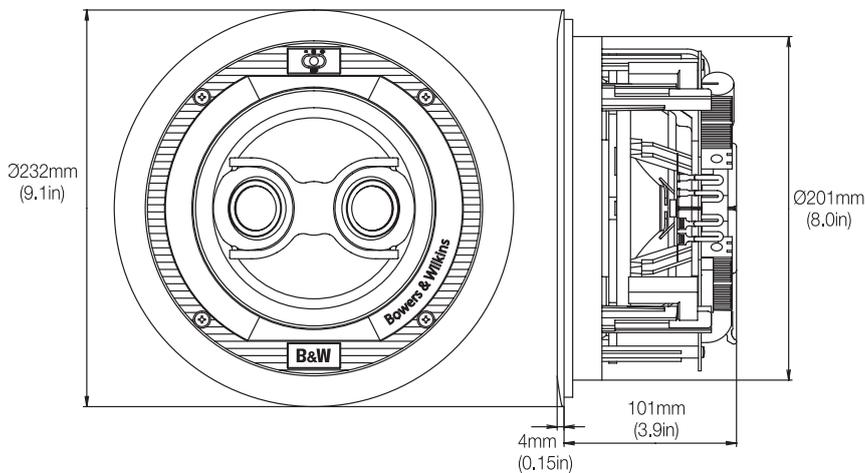
Polar Response Vertical



Frequency Response



Dimensions



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