

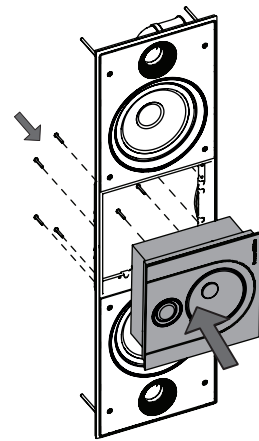
Bowers & Wilkins

CI800 Series Diamond  
Custom Installation



# See nothing, hear everything

The new Bowers & Wilkins CI800 Series Diamond range of custom installation speakers is engineered for discerning customers who demand great hi-fi and home cinema sound from loudspeakers that occupy minimal space. This exceptional range of in-wall and in-ceiling loudspeakers features all the key transducer technologies developed for the globally renowned 800 Series Diamond including Diamond dome tweeters, Continuum midrange drivers and Aerofoil bass cones. Despite their dramatically enhanced performance, every new model fits into the backboxes and apertures of the outgoing CI800 Series, so owners can easily upgrade to the dramatically improved performance offered by the new range. The result is outstanding levels of performance that once again raise the bar for custom installation loudspeakers.



## Rotatable baffle

The central baffle of the CWM8.3 D is rotatable, so it can be used in either vertical or horizontal alignment. Similarly the CCM8.5 D drive units are located in a continuously rotatable central baffle, for toeing-in the loudspeaker.

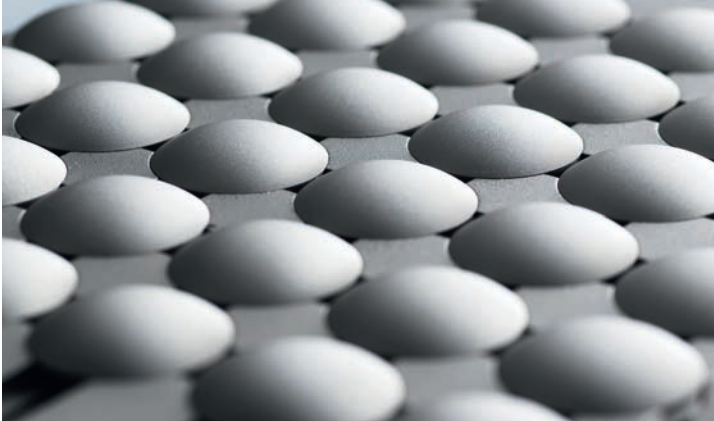


# Technology



## **Back box**

CI800 Series Diamond has been developed to fit into the existing back boxes enabling customers of the outgoing model to easily upgrade. Fully Matrix™ braced, for extra rigidity and improved performance the back boxes feature bi-wireable cables that connect to the baffle electronically with a multi-pin connector.



## **Diamond**

For the first time we have incorporated Diamond dome tweeters into custom installation speakers. Exceptionally light yet unbelievably rigid, the Diamond dome delivers pure, distortion-free treble.



## **Continuum**

The CI800 Series Diamond features the new Continuum cone, our remarkable new midrange driver technology. The result of an eight-year research and development project, Continuum was introduced in our flagship 800 Series Diamond and delivers pristine midrange performance.



## **Aerofoil**

First developed for the 800 Series Diamond, Aerofoil cones deliver incredible bass performance. The ultra-light yet exceptionally stiff Aerofoil design combines a computer-optimised form, carbon-fibre outer 'skins' and a light syntactic foam core to ensure accurate, punchy bass.



## **Decoupled**

The Diamond dome tweeters and midrange drive units in the new CI800 Series Diamond are fully decoupled from the body of each loudspeaker in a similar way to the drive units in the 800 Series Diamond. This minimises the impact of resonance through the baffle caused by the operation of each drive unit and results in a sound that is cleaner and more accurate.

# Specification



**CWM8.3 D**



**CWM8.5 D**



**CCM8.5 D**

	<b>CWM8.3 D</b>	<b>CWM8.5 D</b>	<b>CCM8.5 D</b>
<b>Description</b>	3-way In-wall loudspeaker	2-way In-wall loudspeaker	2-way In-ceiling loudspeaker
<b>Technical features</b>	Aluminium mini baffle can be turned through 90 degrees Diamond Dome, Nautilus™ tube-loaded tweeter Anti-resonance plug Flowport™ FST™ midrange unit Carbon Aerofoil bass drivers	Diamond Dome, Nautilus™ tube-loaded tweeter Anti-resonance plug Flowport™	Aluminium Tweeter 'wing' Rotatable aluminium mini-baffle allows 'toe-in' Diamond Dome, Nautilus™ tube-loaded tweeter Anti-resonance plug Flowport™
<b>Drive units</b>	1x ø25mm (1in) Diamond Dome, Nautilus™ tube-loaded tweeter 1x ø130mm (5in) Continuum midrange driver 2 x ø180mm (7in) Aerofoil Bass drivers	1x ø25mm (1in) Diamond Dome, Nautilus™ tube-loaded tweeter 1x ø180mm (7in) Continuum cone bass/midrange driver with anti-resonance plug	1x ø25mm (1in) Diamond Dome, Nautilus™ tube-loaded tweeter 1x ø180mm (7in) Continuum cone bass/midrange driver with anti-resonance plug
<b>Frequency range (-6dB)</b>	30Hz - 35kHz	35Hz - 35kHz	35Hz - 35kHz
<b>Power handling</b>	200W	120W	120W
<b>Sensitivity</b>	89dB	89dB	88dB
<b>Impedance Nominal (min)</b>	8Ω	8Ω	8Ω
<b>Frame height</b>	880mm (34.6in)	411mm (16.2in)	351mm (13.8in)
<b>Frame width</b>	254mm (10in)	247mm (9.7in)	351mm (13.8in)
<b>Cut-out height</b>	864mm (34in)	395mm (15.5in)	331mm (13in)
<b>Cut-out width</b>	238mm (9.4in)	231mm (9.1in)	331mm (13in)
<b>Cut-out allowance</b>	8mm (0.3in)	8mm (0.3in)	8mm (0.3in)
<b>Protrusion</b>	8mm (0.3in)	8mm (0.3in)	8mm (0.3in)
<b>Net weight</b>	10.9kg	3.5kg	5kg
<b>Back box</b>	BB CWM8.3	BB CWM8.5	BB CCM8.5

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