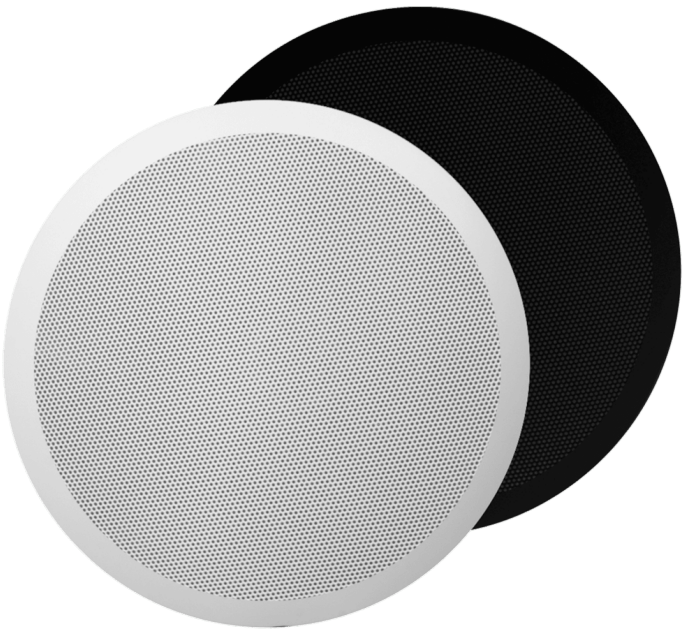
CS85

Quick-fit™ 2-way 8" ceiling speaker 8 Ohm/100V

Highlights:

- FastCon™ connections
- Aluminum grill
- QuickFix installation system
- Multi-tapping 100V line transformer
- 8" woofer with 1"coaxially mounted tweeter



Product information:

The CS series loudspeakers are high-quality in-ceiling loudspeakers, delivering exceptional sound quality and value for a wide variation of applications, ranging from paging and announcements to background music systems in a wide range of business applications, including hotels, restaurants and pubs, corporate offices, retail stores, etc. The CS85 in-ceiling loudspeaker features a 8" driver with a coaxially mounted 1" tweeter, having a continuous power handling of 40 Watt and a maximum power handling of 80 Watt. The 2-way construction makes the CS85 the perfect match for a wide variation highly demanding of applications, guaranteeing a high-quality reproduction of music and speech with true and deep performance in the low frequency range. This guarantees a true Hi-Fi experience. The moisture proof treatment on the speakers' cone and aluminum front grill protects it for installation in humid or outdoor environments. A multi-tapping line transformer fitted with Fast-con™ allows fast and smooth connections to 100 Volt public address or low impedance systems. The mounting of the loudspeaker into the ceiling is achieved with a Quick-fix mechanism, offering a great installers convenience and lifetime stability. The construction of the speakers' housing is made out of high-quality ABS, while the front is covered by a solid powder-coated aluminum grille. It comes available in different colours, while custom painting is possible for a total blending into any environment.

Applications:

- Bars & Restaurants
- Retail
- Hotels
- Corporate

Impedance:

Ω 8 Ohm Ω 16 Ohm

Voltage:

100 Volt

We reserve the right to change specifications without notice, this is part of our policy to continually improve our products.

System specifications:

Speaker type		2-way coaxial
Program power handling		80 W
RMS/AES power handling		40 W
Line Transformer Tappings	1	24 W / 417 Ω
	2	12 W / 833 Ω
	3	6 W / 1667 Ω
Sensitivity (1W/1m)		94 dB
Frequency	Response (± 3 dB)	40 Hz - 20 kHz
	Range (-10 dB)	35 Hz - 20 kHz
Sound Pressure (Max. W/1m)		112 dB
Crossover	Type	Passive built-in
Dispersion	Conical	130° (Half space (flush mounted in ceiling), average 100 Hz to 10 kHz @ -6 dB)
Impedance		8 Ω (CS85)
		16 Ω (CS85D)
Connectors		Multi-tap Fast-con™ connections
Drivers		8" MF / LF Woofer
		1" Dome tweeter

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Product Features:

Dimensions		272 x 93 mm (Ø x D)
Weight		1.550 kg (CS85)
		1.290 kg (CS85D)
Construction		ABS
Mounting & handling		QuickFit™ installation system (4-screw)
Front finish		Aluminium grill
Cut-out measurement		237 mm (Ø)
Built-in depth		87 mm
Colours		White (NCS S 1000-N) (CS85)
		White (RAL9010) (CS85/W)
		Black (RAL9005) (CS85/B)
		White (NCS S 1000-N) (CS85D)
		White (RAL9010) (CS85D/W)
Accessories	Included	Foam inlay
		Cut-out template

Architects' and Engineers' Specifications:

The ceiling mount loudspeaker shall be a 2-way coaxial type equipped with a 8" low frequency driver and a 1" tweeter and fitted with a line transformer allowing it to be used on both low impedance (8 Ohm) and 100 Volt distributed lines. It shall have an RMS power handling of 40 Watt with a maximum power handling of 80 Watt and the frequency response (±3 dB) shall range from 40 Hz to 20 kHz. The sensitivity shall be 94 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall be 112 dB. The nominal dispersion shall be a 130° conical coverage pattern at -6dB (average 100 Hz - 10 kHz). The loudspeaker shall be switchable between 8 Ohm and constant voltage operation, and shall be fitted with a multi-tapping line transformer with tappings for 24 Watt, 12 Watt and 6 Watt including an 8 Ohm bypass. Fast and smooth connection of the system shall be possible using a Fast-con™ multi-tapping connector. The speakers frame shall be constructed in high quality ABS material which comes available in both white (RAL9010) and black (RAL9005) colours and is fitted with a removable aluminium grill allowing custom painting to make it blend-in with any environment. Mounting of the speaker into the ceiling shall be possible using a 4-screw Quick-fix installation system. The speaker shall have a diameter of 272 mm, a depth of 93 mm and the weight shall not exceed 1.55 kg. The speaker shall fit in a mounting hole with a cutout diameter of 237 mm and a build-in depth of 87 mm.

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