



CS85

2-way 8" in-ceiling speaker

► Features

- High-quality ceiling loudspeaker
- 8" 2-way driver
- Fast-con™ connections
- 100V multitap transformer & 8 Ohm bypass
- Moisture proof cone treatment
- Aluminium front grill
- Wide 130° conical coverage
- Quick-fit installation system
- Paintable to blend-in

► Applications

- Hotels
- Restaurants & pubs
- Corporate offices
- Retail stores & warehouses
- Public buildings
- Airports & train stations
- ...



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 aluminium 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 aluminium grille. It comes available in different colours, while custom painting is possible for a total blending into any environment.

► Specifications

SYSTEM SPECIFICATIONS	
Speaker type	2-way coaxial
Max. power	80 Watt
RMS power	40 Watt
Impedance	8 Ohm <i>16 Ohm version also available (CS85D)</i>
Line transformer power taps	24 Watt / 417 Ohm 12 Watt / 833 Ohm 6 Watt / 1667 Ohm
Sensitivity (1W/1m)	94 dB
Sound pressure (Max W/1m)	112 dB
Frequency response (± 3 dB)	40 Hz - 20 kHz
Frequency range (-10 dB)	35 Hz - 20 kHz
Cross-over type	Passive built-in
Conical dispersion (1)	130°
PRODUCT FEATURES	
Dimensions (Diameter x Depth)	Ø 272 x 93 mm
Weight net	1.55 Kg
Connection	Multi-tap Fast-con™ connections
Drivers	8" MF/LF woofer 1" HF tweeter
Construction	High quality ABS housing
Grill type	Finely perforated aluminium grill
Cut-out measurement	Ø 237 mm
Built-in depth	87 mm
Mounting & handling	Quick-fit installation system (4-screw)
Available colours	CS85 White (NCS S1000-N) CS85/W White (RAL9010) CS85/B Black (RAL9005)
SHIPPING & ORDERING	
Packaging	Cardboard box
Shipping weight & volume	1.92 Kg - 0.011 Cbm
Accessories included	Foam inlay Cut-out template
(1) Half space (flush mounted in ceiling), average 100 Hz to 10 kHz at -6 dB	

*AUDAC reserves the right to change specifications without notice: this is part of our policy to continuously improve our products.

► 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 tapings 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.

► Technical drawing

