CELO 8

8” High-end slim ceiling speaker

Features

- High-end 2-way ceiling speaker
- Slim grill with thin border (1 mm)
- Elegant & unobtrusive design
- Warm & true to nature sound
- Paintable front grill
- 1” + 8” aluminium drivers
- 80 Watt RMS power
- Gold plated spring clamp connectors
- Quick and simple mounting

Applications

- Residential applications
- Retail stores & shopping centers
- Restaurants
- Bars
- Public buildings
- Offices







The CELO series is AUDAC‘s high-end slim ceiling speaker series, consisting of different models which can guarantee an optimal experience for every situation and application.

Due to its slim grill design with very thin border of only 1 mm and a limited grill depth which emerges from the ceiling surface by only 3.2 mm, these speakers will become nearly invisible when mounted. To make them blend in even more, they can be painted in the same colour as the surrounding surface. This elegant and unobtrusive grill is held in place by means of powerful neodymium magnets, making assembly and disassembly very simple, but still reliable enough to keep the grill in place during the complete lifetime of the loudspeaker.

When the grill is removed, it’s clear for anyone to see that the CELO speakers are made by using only the highest quality materials, guaranteeing an unsurpassed sound experience. One 1” aluminium cone tweeter is held in place by an acoustically optimised arm in front of a 8” aluminium cone woofer. Together with the crossover network which is made of high-quality components, this results in true to nature sound reproduction for a warm and detailed sound with an RMS power of 80 Watt.

To guarantee lifetime stability, secure mounting and easy installation, the loudspeaker connection is made using Gold-Con™ spring clamp connectors. The mounting of the loudspeaker into the ceiling is achieved with a quick-fixing mechanism which can be tightened by four screws. The front grill is held into place by neodymium magnets.

Specifications

SYSTEM SPECIFICATIONS		
Speaker type		2-way coaxial
Max power		160 Watt
RMS power		80 Watt
Impedance		8 Ohm
Sensitivity (1W/1m)		89 dB
Sound pressure (max W/1m)		108 dB
Frequency response (±3 dB)		46 Hz - 20 kHz
Frequency range (-10 dB)		32 Hz - 20 kHz
Crossover frequency		3 kHz
Crossover type		Passive Built-in
Horizontal dispersion		90°
Vertical dispersion		90°
PRODUCT FEATURES		
Dimensions (Diameter x Depth)		Ø 270 x 118 mm
Weight net		2.25 Kg
Connection		Gold-Con spring clamps
Drivers (coaxial)	HF	1” Aluminium membrane
	LF	8” Aluminium membrane
Construction		High quality ABS housing
Grill type		Thin edged white grill
Cut-out measurement		250 mm
Built-in depth		115 mm
Mounting & handling		4 screw quick-fixing mechanism
Available colours		Black frame & White grill
SHIPPING & ORDERING		
Packaging		Cardboard box
Shipping weight & volume		2.94 Kg ~ 0.017 Cbm
Accessories included		Cut-out template
Optional accessories		WTR24 - 24W 100V line transformer
		GLC08/B - Black grill (RAL9005)
		GLC08/P - Paintable grill

*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 loudspeakers shall be a 2-way coaxial type, equipped with a 8" aluminium cone low frequency driver and a 1" aluminium dome tweeter with neodymium magnet. The tweeter shall be mounted in the centre position of the woofer by means of an acoustically optimized arm.

It shall have an RMS power handling of 80 Watt with a maximum power handling of 160 Watt and the frequency response (±3 dB) shall range from 46 Hz to 20 kHz. The sensitivity shall be 89 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 108 dB.

The loudspeaker shall have an impedance of 8 Ohm and shall contain a passive built-in crossover network with crossover frequency of 3000 Hz, which is constructed of high-quality components.

The speakers frame and basket shall be constructed as one entity in strong ABS material with a black colour and textured matt surface finishing. A 4-screw quick-fixing mechanism shall be provided to mount the speaker into a ceiling in a quick and simple way. The connectivies shall be performed using Gold-Con spring clamp connectors.

To make the loudspeaker nearly invisible when mounted, the speaker shall have a white grill with a very thin border of 1 mm which extrudes the ceiling surface by only 3.2 mm. This grill shall be constructed of steel which can be painted to make it blend-in with any environment. The assembly and disassembly of the grill shall be very simple thanks to the neodymium magnets that hold it in place.

The speaker shall have a diameter of 270 mm, a depth of 118 mm and shall not exceed 2.25 kg. The speaker shall fit in a mounting hole with a cutout diameter of 250 mm and a build-in depth of 115 mm

▶ Technical drawing

