



# CELO 6

## High-End Slim Ceiling Speaker 6"

### ► 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" + 6" Aluminum drivers
- 60 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 first High-end Slim ceiling speaker series, consisting of three models which can guarantee an optimal experience for every situation and application. The CELO 6 is the medium 6" model of this series.

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" Aluminum cone tweeter is held in place by an acoustically optimised arm in front of a 6" Aluminum 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 60 Watt.

To guarantee a 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 should be done by a quick-fixing mechanism which can be tightened by four screws and the front grill is held in place by neodymium magnets.



### ► Specifications

SYSTEM SPECIFICATIONS		
Speaker Type	2-Way coaxial	
Max Power	120 Watt	
RMS Power	60 Watt	
Impedance	8 Ohm	
Sensitivity (1W/1m)	88 dB	
Sound Pressure (Max W/1m)	106 dB	
Frequency Response (±3 dB)	55 Hz - 20 kHz	
Frequency Range (-10 dB)		
Crossover Frequency	3 kHz	
Crossover Type	Passive Built-in	
PRODUCT FEATURES		
Dimensions (Diameter x Depth)	Ø 230 x 103 mm	
Weight Net	1,65 Kg	
Connection	Gold-Con spring clamps	
Drivers (coaxial)	HF	1" Aluminium membrane
	LF	6" Aluminium membrane
Construction	High quality ABS housing	
Grill Type	Thin edged white grill	
Cut-Out measurement	210 mm	
Built-in Depth	100 mm	
Mounting & Handling	4 Screw quick-fixing mechanism	
Available Colours	Black frame & White grill	
SHIPPING & ORDERING		
Packaging	Carton box	
Shipping Weight & Volume	2.28 Kg ~ 0.012 Cbm	
Accessories Included	Cut-out template	
Optional accessories	WTR24 24W 100V line transformer	
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continually improve our products		

## ► Architect's and Engineers' Specifications

The ceiling mount loudspeakers shall be a 2-Way coaxial type, incorporating a 6" aluminum cone low frequency driver and a 1" aluminum 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 60 Watt with a maximum power handling of 120 Watt and the frequency response ( $\pm 3$  dB) shall range from 55 Hz to 20 kHz. The sensitivity shall be 88 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 106 dB.

The loudspeaker shall have an impedance of 8 Ohm and 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 connectivities shall be performed using Gold-con spring clamp connectors.

To make the loudspeaker nearly invisible when mounted, the speaker shall contain a white grill with 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 due to the neodymium magnets whereby it's held in place.

The speaker shall have a diameter of 230 mm, a depth of 103 mm and shall not exceed 1.5 kg. The speaker shall fit in a mounting hole with cutout diameter 210 mm and 100 mm build-in depth.

## ► Technical drawing

