CELO 2

2” High-End Slim Ceiling Speaker





Features

- High-end ceiling speaker
- Slim grill with thin border (1 mm)
- Elegant & unobtrusive design
- Warm & true to nature sound
- Paintable front grill
- 2” Full range aluminium driver
- 10 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, comprising of different models which can guarantee an optimal experience for every situation and application.

The Ultra-compact size enables the CELO2 smoothly integrate into any interior like no other loudspeaker. The outer diameter only measures 118 mm, which is as compact as a standard down lighter and the built-in dept of 95 mm allows installation in any ceiling while being unobtrusive.

The sound originates from a 2” aluminium cone driver which provides a full-range, warm and detailed sound, with an improved response in the low frequencies due to a ported enclosure with closed back can. This way, a smooth sound reproduction with clear and crisp sound is guaranteed. An internal self-resetting network provides an optimal overload protection.

All these details share their part to the quality of the Celo 2, resulting in an highly reliable loudspeaker producing a pure sound with a maximim power handling of 20 Watt and an RMS power handling of 10 Watt.

An elegant look with minimal visual impact is created by the slim grill with very thin border, while lifetime stability, secure mounting and easy installation is guaranteed using the quick-fix mechanism which can be tightened by two screws and the Gold-Con™ spring clamp connectors. The grill is held in place using neodymium magnets, providing a quick and reliable assembly.

Specifications

SYSTEM SPECIFICATIONS	
Speaker type	Full range
Max power	20 Watt
RMS power	10 Watt
Impedance	8 Ohm
Sensitivity (1W/1m)	83 dB
Sound pressure (max W/1m)	93 dB
Frequency response (±3 dB)	120 Hz - 20 kHz
Frequency range (-10 dB)	100 Hz - 20 kHz
Horizontal dispersion	150°
Vertical dispersion	150°
PRODUCT FEATURES	
Dimensions (Diameter x Depth)	Ø 118 x 98 mm
Weight net	0.35 Kg
Connection	Gold-Con™ spring clamps
Drivers	2” Aluminium membrane
Construction	High quality ABS housing
Grill type	Thin edged white grill
Cut-out measurement	Ø 100 mm
Built-in depth	95 mm
Mounting & handling	2 Screw quick-fixing mechanism
Available colours	Black frame & white grill
SHIPPING & ORDERING	
Packaging	Cardboard box
Shipping weight & volume	0.50 Kg ~ 0.002 Cbm
Accessories included	Cut-out template
Optional accessories	WTR06 - 6W 100V line transformer
	GLC02/B - Black grill (RAL9005)
	GLC02/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 loudspeaker shall be a full range type fitted in a closed ported enclosure and equipped with a 2" aluminium cone driver with neodymium magnet.

It shall have an RMS power handling of 10 Watt with a maximum power handling of 20 Watt and the frequency response (±3 dB) shall range from 120 Hz to 20 kHz. The sensitivity shall be 83 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 93 dB.

The loudspeaker shall have an impedance of 8 Ohm and shall contain an internal self-resetting network which provides an optimal overload protection.

The speakers construction shall be made out of high-quality ABS with a black colour and textured matt surface finishing. A 2-screw quick-fixing mechanism shall allow assembly of the speaker into a ceiling in a quick and simple way while the connectivities are 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 holding it in place.

The speaker shall have a diameter of 118 mm, a depth of 98 mm and shall not exceed 0.35 kg. The speaker shall fit in a mounting hole with a cutout diameter of 100 mm and a build-in depth of 95 mm.

▶ Technical drawing







