



# CENA8

## SpringFit™ 8" ceiling speaker

### Product information:

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The unbeatable one. The CENA series are full-range ceiling speakers, designed to offer an unmatched solution for large scale public address projects. The SpringFit™ fixation offers the fastest possible installation time of any speaker available on the market, while the borderless grill design is absolutely unseen for any ceiling speaker in this segment. The selection of high-quality cone materials guarantee an exceptional intelligibility and background music performance.

The CENA812 features a 8" broadband driver with a continuous power handling of 20 Watt (RMS) and maximum power handling of 40 Watt. It is fitted with a multi-tapping 100V line transformer with tappings for 12W and 6W.



### Impedance:

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8 Ohm

16 Ohm

### Voltage:

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100V

## System specifications:

Max. Power	40 W	
RMS Power	20 W	
Sensitivity (1W/1m)	99 dB	
Speaker type	Broadband	
Impedance	8 Ω (CENA812)	
	16 Ω (CENA820D)	
Connection	Screw terminal	
Drivers	Dual cone	
	8"	
Sound Pressure (Max. W/1m)	@ 100 V	112 dB
Frequency	Response (± 3 dB)	100 Hz - 15 kHz
	Range (-10 dB)	60 Hz - 18 kHz
Line Transformer Tappings	1	12 W / 833 Ω
	2	6 W / 1667 Ω

## Product Features:

Cut-out measurement	207 mm (Ø)
Dimensions	232 x 90 mm (Ø x D)
Construction	ABS
Front finish	Borderless finely perforated steel grill
Built-in depth	77 mm
Mounting	Spring-Fit™ mounting system
Colours	White (RAL9003) (CENA812/W)
	Black (RAL9005) (CENA812/B)
Operating temperature	-15 °C ~ 55 °C

## Variants:

- CENA812/W - White version
- CENA812/B - Black version
- CENA820D/W - 16 Ohm White version

## Shipping & Ordering:

## Packaging

Gandhi and Islam

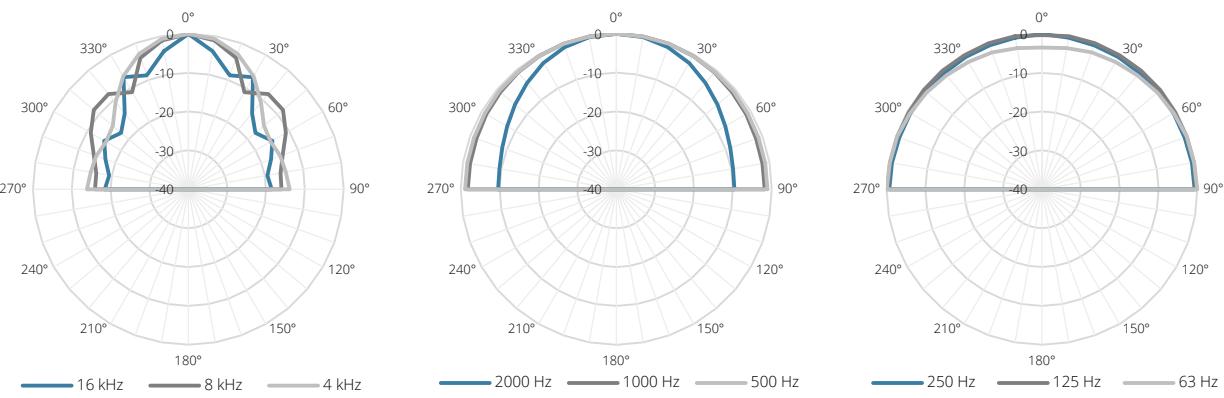
## Architects' and Engineers' Specifications:

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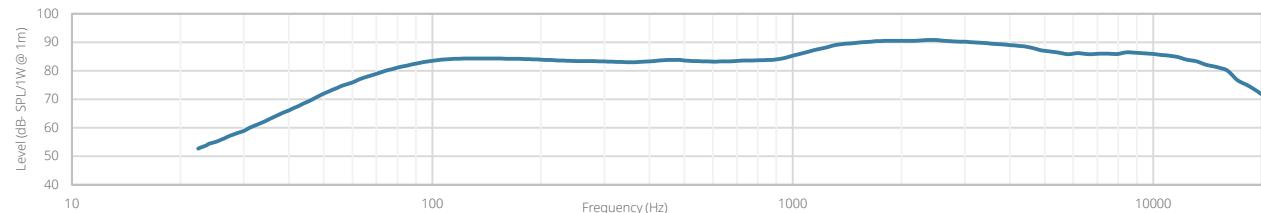
The ceiling mount loudspeaker shall be a full-range type equipped with an 8" broadband driver and fitted with a line transformer allowing it to be used on 100 Volt distributed line systems. It shall have an RMS power handling of 20 Watt with a maximum power handling of 40 Watt and the frequency response ( $\pm 3$  dB) shall range from 100 Hz to 15 kHz. The sensitivity shall be 99 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 loudspeaker shall be fitted with a multitapping line transformer with tappings for 12 Watt and 6 Watt. Fast and smooth connection of the system shall be possible using a screw terminal block connector. The speakers frame shall be constructed in high quality ABS material and the front shall be finished through a borderless and finely perforated steel grill. It shall come available in both white (RAL9003) and black (RAL9005) colours and custom painting shall make it blend-in with any environment. Mounting of the speaker into the ceiling shall be possible using a SpringFit™ installation system. The speaker shall have a diameter of 232 mm, a depth of 81 mm and the weight shall not exceed 1.06 kg. The speaker shall fit in a mounting hole with a cutout diameter of 207 mm and a build-in depth of 78 mm.

## Acoustical data graphs:

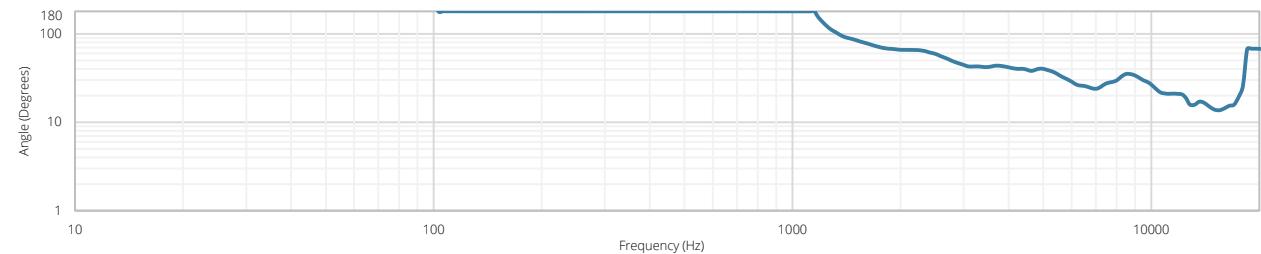
Polars:



Sensitivity:



Beamwidth (-3dB):



Directivity index:

