

# Cirrus 4.1

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## Key features

- Passive 4" two-way full range ceiling loudspeaker
- Internal 100V/70V line transformer
- Selectable voltage taps and low impedance setting
- Wide 120° dispersion pattern
- Paintable white ABS enclosure
- 4" low frequency driver
- 0.75" coaxially mounted high frequency driver
- Quick and easy ceiling mount fixings

## Applications

- Hotel, restaurant



The Cirrus 4.1 is a two-way, full-range passive ceiling speaker, housed in a white powder-coated ceiling mount frame is suitable for hotel, restaurant, leisure and retail environments requiring high fidelity performance, where discerning clients need to be impressed. Half-turn, spring-loaded retention clips mean record-breaking quick installation for this discreet, space-saving package which provides a flat, wide response of up to 20 kHz and uniform 120° dispersion over a wide area.

## Specifications

Frequency Response	149 Hz ~ 20 kHz (-3dB) / 98Hz ~ 20KHz (-10dB)
Efficiency <sup>1</sup>	87 dB 1W/1m
Crossover Points	3 kHz passive
Nominal Impedance	8 $\Omega$
Power Handling <sup>2</sup>	60 W AES
Voltage Taps	100 V - 25 W, 12.5 W, 6.3 W 70 V - 25 W, 12.5 W, 6.3 W and 3.2 W
Maximum Output <sup>3</sup>	101 dB cont, 104 dB peak
Driver Configuration	1 x 4" LF, 1 x 0.75" HF
Dispersion	120°
Connectors	Removable locking connector with screw-down terminals. Two input terminals and two loop-thru output terminals. Max. wire 12 AWG (2.5 mm <sup>2</sup> )
Weight	2.6 kg (5.7 lbs)
Enclosure	ABS baffle
Mounting	Backing plate and tiles rails (included)
Colour	White
Construction Note	Mounting hole 178 mm (7") diameter

<sup>1</sup> Measured in half space <sup>2</sup> AES2 - 1984 compliant <sup>3</sup> Calculated

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## Architectural specifications

The loudspeaker shall be a passive two-way system of in-ceiling design, consisting of one 4" (101.6 mm) low frequency (LF) transducer and one 0.75" (19.05 mm) diameter high frequency (HF) transducer mounted in an ABS baffle and zinc-plated steel back-bowl.

The low frequency (LF) transducer shall be a treated paper cone wound with copper wire on a high-quality voice coil former, for high power handling and long-term reliability. The high frequency transducer shall be a silk dome tweeter.

Performance specification for a typical production unit shall be as follows: the usable on-axis bandwidth shall be 149 Hz to 20 kHz ( $\pm 3$  dB) and shall average  $120^\circ$  directivity pattern for both horizontal and vertical axis ( $-6$ dB down from on-axis level) from 1 kHz to 12 kHz; and a maximum SPL of 104 dB peak measured at 1 m using IEC268-5 pink noise. Power handling shall be 60 W AES at a rated impedance of  $8 \Omega$  with 100 volt taps at 25 W, 12.5 W and 6.3 W and 70 volt taps at 25

W, 12.5 W, 6.3 W and 3.2 W; crossover point at 3 kHz using a 2nd order filter (12 dB/oct). The system shall be powered by its own dedicated power amplification module with DSP management.

The wiring connection shall be via a single removable, lockable wiring connector with four screw-down terminals (one pair for input and one pair for loop-out to another loudspeaker) to provide secure wiring and allow for pre-wiring of the connector before the installation. This connector should then screw lock to the enclosure to ensure secure attachment.

The enclosure shall be of a moulded ABS construction with zinc-plated back-bowl and shall include swivel-tabs for mounting on support backing plate and tile rails with dimensions of (H) 173 mm (6.8") and (W) 202 mm (8"). Weight shall be 2.6 kg (5.7 lbs).

The loudspeaker shall be the Void Acoustics Cirrus 4.1.

