



Loudspeakers

# Column 16

Full range, passive, 16-driver column loudspeaker



Optimal Audio



## FEATURES

- 16 x 2.2" full-range drivers in a linesource column loudspeaker
- IP54 rated as standard with included weatherisation and install kit
- Speech and Music DSP presets via the Optimal Audio WebApp
- 150° horizontal x 5° vertical coverage
- 80Hz – 20kHz frequency response

Column 16 is a full range, passive column loudspeaker designed for larger and more acoustically demanding commercial installations. Sixteen 2.2" full-range drivers in a single 1.1m cabinet deliver high sensitivity, long throw and the tight vertical pattern required for reverberant architecture.

Every Column 16 ships with the complete installation kit as standard — pan-and-tilt wall bracket, metal safety strap, IP54 weatherisation kit and spare grille cloth. No separate accessory order required. Available in black or white, and paintable to match the architecture.

The sixteen-driver column produces a wide 150° horizontal pattern with a narrow 5° vertical pattern, directing sound at the listening area across long throws while rejecting the ceiling reflections that compromise intelligibility in large rooms.

As part of the Optimal Audio ecosystem, when paired with SmartAmp and Zone, Column 16 can be installed with factory-tuned Speech and Music DSP presets accessible and controlled through WebApp, providing integrators with a ready to go system ideal for the demands of worship, conference and transport applications.

## APPLICATIONS



Cafes



Bars/  
Restaurants



Retail



Wedding  
Venues



Hotels



Education  
Facilities



Houses of  
Worship



Corporate  
Offices



Museums



Fitness Studios



Residential



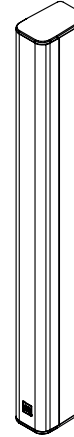
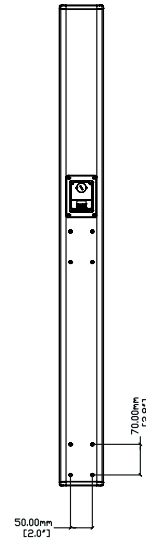
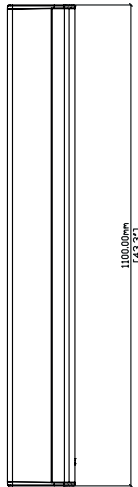
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## SPECIFICATIONS

TYPE	: Full range, passive column array, 16x 2.2" loudspeaker with transformer
FREQUENCY RESPONSE	: 80Hz - 20kHz (-10dB)
DRIVERS	: 16x 2.2" (56mm) full range
IP RATING	: IP54 when used with accessory terminal cover
RATED POWER	: 240W (AES)
NOMINAL IMPEDANCE	: 8Ω
SENSITIVITY (1W/1m)	: 90dB
MAXIMUM SPL @ 1m	: 113dB (cont) 119dB (peak)
CROSSOVER	: Full range — no crossover
RECOMMENDED HIGH PASS FILTER	: 24dB Per Octave @ 80 Hz
TRANSFORMER TAPS @ 70V	: 7.5, 15, 30, 60W
TRANSFORMER TAPS @ 100V	: 15, 30, 60, 120W
DISPERSION (-6dB)	: 150°H x 5°V
ENCLOSURE	: ABS
FINISH	: Black and White
PROTECTIVE GRILLE	: Painted Steel
CONNECTORS	: 4 pin Euroblock
PIN CONNECTIONS (INPUT)	: Positive and negative in with link out terminals
FITTINGS	: 8 x M5 mounting points for wall bracket and safety strap
DIMENSIONS	: (W)100 x (H)1100 x (D)155mm
WEIGHT	: 8kg, 17.6lbs
RECOMMENDED SUB	: Sub 10, Sub 15
RECOMMENDED AMP	: Zone, SmartAmp



Textured Paint Finish



Weight

[optimal-audio.co.uk](https://optimal-audio.co.uk)

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