

C516/C516T

Flush-mount ceiling speaker

architectural

features

- ▶ 6.5" (165mm) ICT™ transducer
- ▶ Fast and secure mounting arrangement
- ▶ Superior quality sound
- ▶ Aluminium back-can
- ▶ Optional tile support system

applications

- ▶ Retail outlets
- ▶ Hotels, bars and restaurants
- ▶ Transportation facilities



The C516 flush-mount ceiling speaker provides exceptional performance for both background music and speech reproduction, making it ideal for distributed sound applications. Its 6.5" driver provides an optimum balance between low frequency extension and high frequency dispersion and benefits from use of ICT™ technology. A patented fixing mechanism allows the installer to first-fix and wire the aluminium back can and then final-fix the speaker baffle at a later point in the contractor's work schedule. The back can ensures correct low frequency acoustic alignment of the driver and provides attachment points for the separate moulded baffle.

The C516 can be mounted in either structural or suspended ceilings. Where ceiling tiles may not be strong enough to support the loudspeaker, support rails are available to bridge the tiles. The loudspeaker bezel and grille can be painted to match the interior design.

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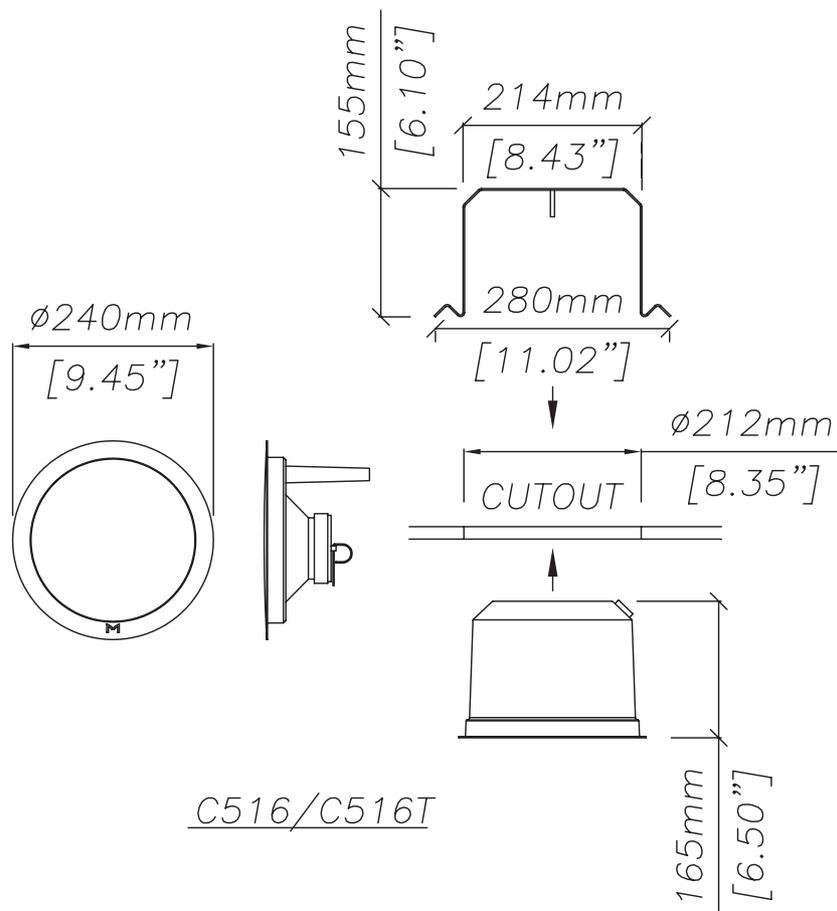


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Flush-mount ceiling speaker

overall dimensions

architectural



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C5 I 6/C5 I 6T

Flush-mount ceiling speaker

technical specifications

TYPE	Ceiling mounted, two-way ICT™, vented baffle
FREQUENCY RESPONSE (1)	80Hz-20kHz 120Hz-20kHz ± 3dB
DRIVERS	6.5" (165mm) full-range ICT™
RATED POWER (2)	50W AES, 200W peak
RECOMMENDED AMPLIFIER	50-200W into 4 ohms
SENSITIVITY (3)	88dB
MAXIMUM SPL (4)	105dB continuous, 111dB peak
NOMINAL IMPEDANCE	4 ohms
DISPERSION (-6dB)	90° conical
CROSSOVER	-
ENCLOSURE	-
FINISH	Bezel & grille – white Back can - black
PROTECTIVE GRILLE	Perforated steel
CONNECTORS	20mm gland in back can
OPTIONS	30W line transformer Tile support bracket
DIMENSIONS	(OD) 240mm x (D) 180mm (OD) 9.45ins x (D) 7.1ins
WEIGHT	3kg (6.6lbs)

accessories

HTKC5 I 6 Bridge Tile Support

Notes

- (1) Measured on-axis in half space at 2 metres, then referred to 1 metre.
- (2) AES Standard ANSI S4.26-1984.
- (3) Measured in half space conditions at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (4) Measured in half space conditions at 2 metres using band limited pink noise, then referred to 1 metre.

Trade Descriptions Act

Due to Martin Audio's policy of continuing improvement, we reserve the right to alter these specifications without prior notice. Martin Audio is committed to refining state of the art sound reinforcement, combining in-depth product and field applications research with advanced manufacturing techniques. Every Martin Audio product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.

architectural and engineering specifications

The loudspeaker system shall be of the flush-mount two-way passive type consisting of one 6.5" (165mm) ICT™ driver with a concentric high frequency diaphragm loaded by a phase plug and waveguide housed in a flush mount baffle with a separate aluminium back-can.

Performance of the loudspeaker system shall meet or exceed the following criteria:

Frequency response measured 1 metre on axis shall be 120Hz-20kHz ± 3dB.

High frequency dispersion at -6dB points shall be 90° H x 90° V.

Power handling shall be 50W AES, 200W peak.

Rated impedance shall be 8 ohms.

Maximum SPL measured at 1 metre on axis shall be 105dB continuous, 111dB peak.

Dimensions (OD) 240mm x (D) 108mm (9.45ins x 7.1ins).

Weight 3kg (6.6lbs).

The loudspeaker system shall be the Martin Audio C5 I 6.

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