



### **Commercial Loudspeakers CM10TB A&E Specifications**

**CM10TB:** The loudspeaker system shall be a full-range ceiling mount system with a 5.5-inch (140 mm) transducer. The loudspeaker baffle shall be constructed of UL 94V-0 rated ABS material and include two screw-type mounting clamps with 1.8-inch (46 mm) grip range to support the back can on the included tile rails with spacers. A powder-coated perforated steel grille with RAL 9016 white finish backed with color matched woven fabric shall be included.

The system shall have an operating range of 120 Hz to 20 kHz and a low impedance (8 ohm) input capability of 9V. The sensitivity on-axis, referenced to a distance of 1 meter, and an input voltage of 2.83V shall be 94 dB. The loudspeaker system shall have a conical coverage pattern of 145 degrees. The nominal system impedance shall be 8 ohms (in low impedance setting).

The system shall be equipped with a 10W high performance transformer for use in 70.7V or 100V distributed audio systems, with 10W, 5W, 2.5W, 1.25W and 0.625W taps available in 70.7V distributed systems (10W, 5W, 2.5W,

and 1.25W taps available in 100V distributed systems). An easily accessible front-face tap selector switch located on the front baffle, which is concealed by the supplied removable grille, shall be available for selecting transformer and low impedance settings. The loudspeaker shall be equipped with a four-position, 5.08 mm (0.2 inches) pluggable Euroblock connector for audio signal connections.

Two tile support bridge rails with two spacer bars shall be included. The loudspeaker system shall have a bezel diameter of 8.8 inches (223 mm), a can depth, including the seismic tab, of 6.28 inches (160 mm) and weigh 4.6 lbs (2.1 kg). There shall be an optional New Construction Bracket for installing the loudspeaker system in new construction before drywall or plaster is put into place. An optional pair of 48-inch (1219 mm) tile rails shall also be available to mount the loudspeaker in larger ceiling grids. An optional accessory safety cable multi-pack is also available.

The system shall be ETL listed to comply with UL1480, UL2043 and CSA62368-1 and suitable for use in air handling spaces per NFPA70 and NFPA90. The loudspeaker shall be UL listed, CE marked, and shall be compliant with the RoHS directive. The loudspeaker system shall be a CM10TB.