

JBL

8138 8" (200 mm) Full-Range In-Ceiling Loudspeaker for Use with Pre-Install Backcans

Professional Series

Key Features:

- ▶ Stylish, contemporary appearance enhances any decór.
- ▶ Clear sound from an 8 inch dual-cone full-range driver.
- ▶ Very high sensitivity of 97 dB for maximum sound levels using minimum amplifier power.
- ▶ 6W transformer for use on 70V/100V distributed speaker lines
- ▶ Installs to in-ceiling backboxes having 4 mounting points on an 11-¼" (286 mm) diameter mounting circle.
- ▶ For use with MTC-81BB8 backcan and MTC-81TB8 tile bridge

Overview:

The 8138 is an 8" ceiling speaker designed for use with a pre-install in-ceiling backcan, resulting in high-fidelity performance at a cost-effective price point. The 8138 is ideal for a wide variety of commercial sound applications from restaurant and retail to professional offices and reception areas.

The built-in 6 Watt transformer allows use on 70V or 100V distributed speaker lines. High sensitivity of 97 dB delivers maximum sound levels using minimal amplifier power, allowing the use of smaller power amplifiers compared to when using lower sensitivity drivers.

The driver features a 25 mm (1 in) voicecoil with Kapton coil former for reliability. The treated cloth surround provides deeper bass response compared with typical paper-roll surrounds, for fuller sound quality.

The 8138 fits the MTC-81BB8 backcan and MTC-81TB8 tile bridge, or can be used with most in-ceiling backcan/tile bridge systems designed with four mounting points on a 286 mm (11¼ in) diameter mounting circle.

With its contemporary grill design, the 8138 provides a stylish upscale look that fits into many decórs. The 8138 brings style and performance to basic commercial sound systems.

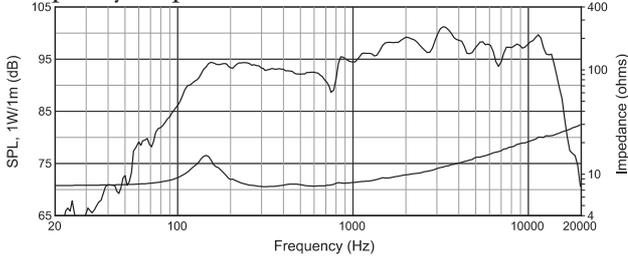


Specifications:

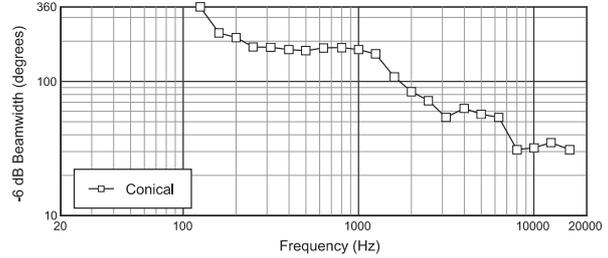
Component:	200 mm (8 in) Full-Range, Dual-cone
Frequency Range (-10 dB):	95 Hz – 18 kHz
Coverage (2 kHz):	90° conical
Sensitivity (2.83V@ 1m):	97 dB (1 kHz - 8 kHz)
Driver Power Capacity:	40W (160W peak), 2 hrs 25W (100W peak), 100 hrs
70V/100V Transformer Taps:	6W, 3W, 1.5W, (0.75W at 70V only)
Color Codes:	Black = Common Orange = 6W at 70V Brown = 3W at 70V; 6W at 100V Blue = 1.5W at 70V; 3W at 100V White = 0.75W at 70V; 1.5W at 100V
Termination:	Bare Wire
Magnet:	10 ounces (283 g)
Safety Agency:	Transformer is UL registered per UL1876.
Installation:	Full assembly consists of 8138 speaker plus MTC-81BB8 backbox and MTC-81TB8 tile bridge. Four screw holes at industry standard 286 mm (11¼ in) mounting circle.
Dimensions (Diameter x Depth):	327 mm (12.9") diameter baffle x 84 mm (3.3") depth from back of baffle. Overall depth, 99 mm (3.9")
Mounting Points:	4 points on 286 mm (11.25 in) dia. mounting circle
Ceiling Cutout Dimension:	300 mm (11.75") with tile bridge and backbox. 228 mm (9.0") diameter as stand alone.
Net Weight:	1.4 kg (3.0 lb)
Included Accessories:	Integral grille, 4 pcs M4 x 40 mm tapping screws
Optional Accessories:	MTC-81BB8 backcan MTC-81TB8 tile bridge

▶ 8138 – 8" (200 mm) Full-Range In-Ceiling Loudspeaker

Frequency Response

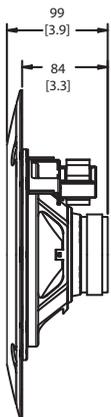
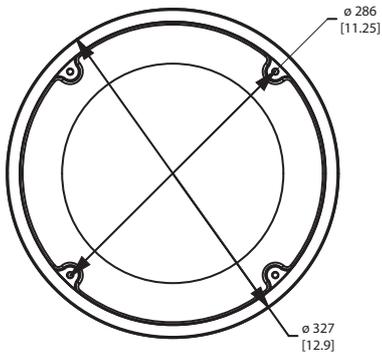


Bandwidth

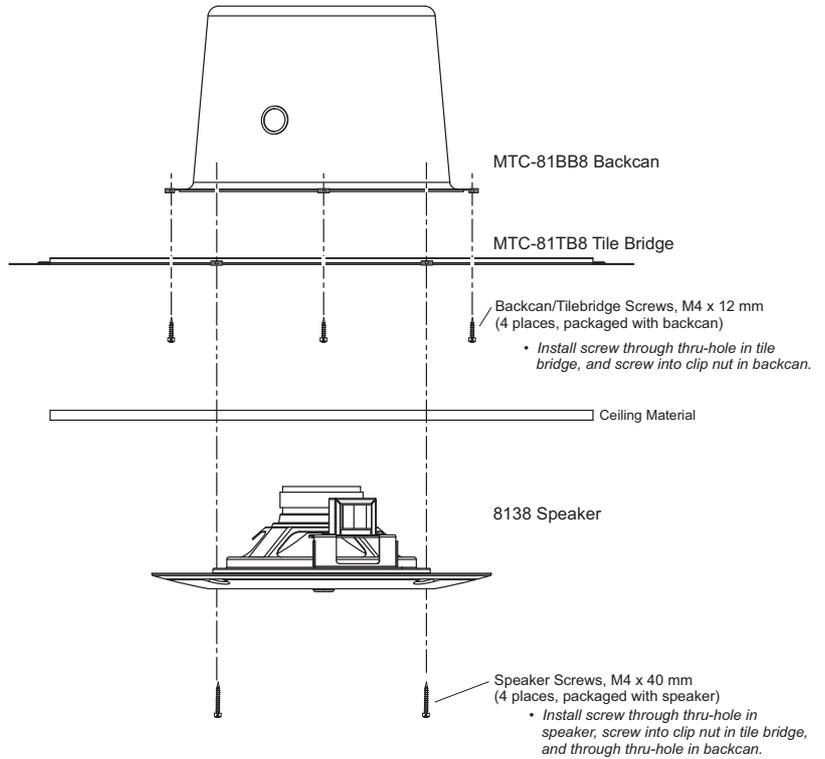


Dimensions

Dimensions in mm [in]



Assembly



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MTC-81BB8 Pre-Install In-Ceiling Backcan

Professional Series

Key Features:

- ▶ Fits 8138 speaker and MTC-81TB8 Tile Bridge
- ▶ Extra-large 7.4 liter (0.26 cu ft) volume allows for extra bass
- ▶ Industry standard 286 mm (11¼ in) mounting circle
- ▶ Five conduit knockouts
- ▶ Nesting during storage minimizes storage space requirements

The MTC-81BB8 is designed for use in applications requiring pre-installed backcans and is compatible with ceiling speakers having a 286 mm (11¼ in) mounting circle diameter, such as the JBL 8138 ceiling loudspeaker, and the JBL MTC-81TB8 tile bridge for suspended ceilings. Providing a larger backcan air volume than most cost-effective backcans, the MTC-81BB8 allows ceiling speakers to produce extra bass capability for a wider frequency response and improved overall sound quality. This angled-wall backcan nests to reduce inventory space and transportation costs. The MTC-81BB8 is supplied with five conduit knockouts, four clip-nuts for tile bridge to backcan attachment, as well as acoustic lining and two perforated bend-up mounting straps.



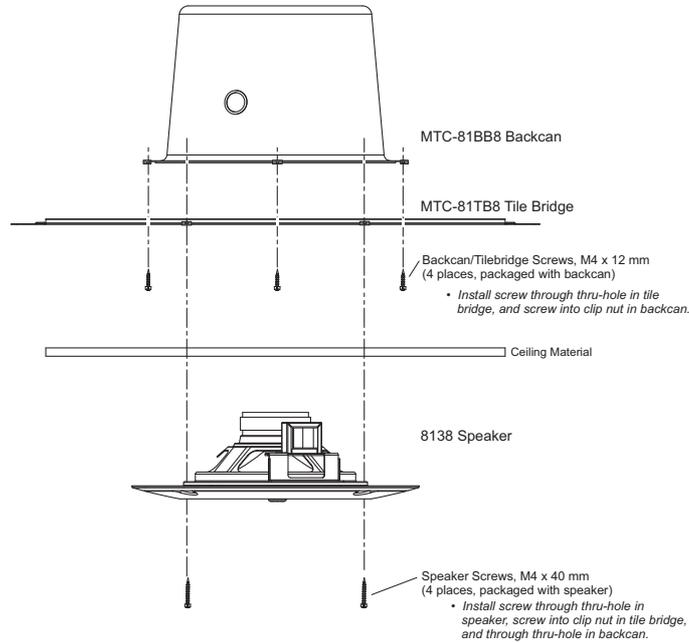
Specifications:

Internal Volume:	7.4 liters (0.26 cu ft)
Knockouts:	22 mm (0.87 in) diameter opening Five (5) locations: 4 on side of can 1 on top of panel of can
Suspension Tabs:	2 flexible perforated mounting straps, one on each side.
Attachment Points:	4 clip-nuts on 286 mm (11¼ in) mounting circle fix M4 tapping screws for attaching tile bridge to backcan, plus 4 thru holes providing clearance for screws from speaker to attach to tile bridge (see assembly drawing).
Material:	16 gauge (1.3 mm thick) steel, finished in black powdercoating for a high level of rust resistance.
Dimensions (H x W x D):	178 mm (7 in) height x 300 mm (11.75 in) width and depth.
Net Weight (ea):	1.1 kg (2.5 lbs)
Shipping Weight (ea):	1.5 kg (3.2 lbs)
Associated Models:	8138 200 mm (8 in) ceiling speaker MTC-81TB8 tile bridge for 600 mm (24 in) ceiling tile applications.

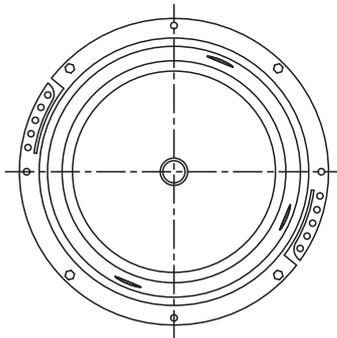
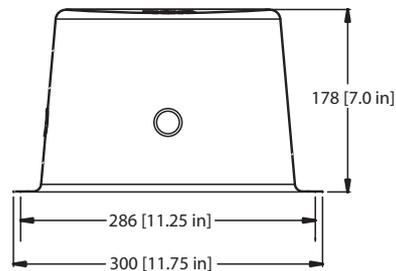
JBL continually engages in research related to product improvement. Changes introduced into existing products without notice are an expression of that philosophy.

► MTC-81BB8 Pre-Install In-Ceiling Backcan

Assembly:



Dimensions:



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MTC-81TB8

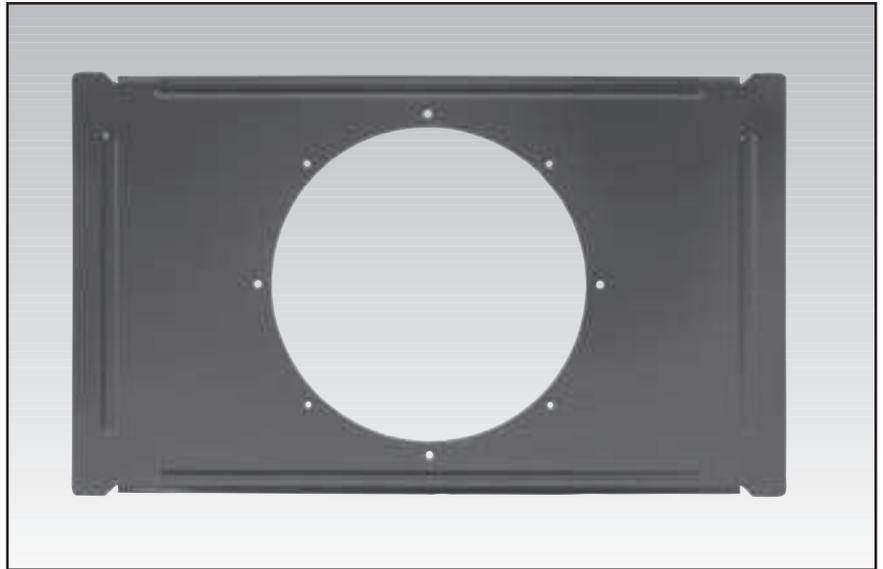
Pre-Install In-Ceiling
Tile Bridge for
Pre-Install Backbox

Professional Series

Key Features:

- ▶ Fits 8138 speaker and MTC-81BB8 backbox
- ▶ Load-bearing bridge eliminates ceiling tile sag by distributing weight to the ceiling's support system
- ▶ Rust-resistant 19-Gauge (1 mm thick) steel construction and e-coated finish ensures long service life.
- ▶ Fits 610 mm (24 in) and 600 mm (23.6 in) tile grids

The MTC-81TB8 tile bridge is designed for use in applications requiring pre-installed backcans in suspended ceiling applications and is compatible with ceiling speakers having a 286 mm (11¼ in) mounting circle diameter, such as the JBL 8138 ceiling loudspeaker, and the JBL MTC-81BB8 pre-install backbox. The MTC-81TB8 is constructed with four thru-holes for attaching screws to backbox and four holes with clip-nuts for the speaker attachment screws (see assembly drawing).



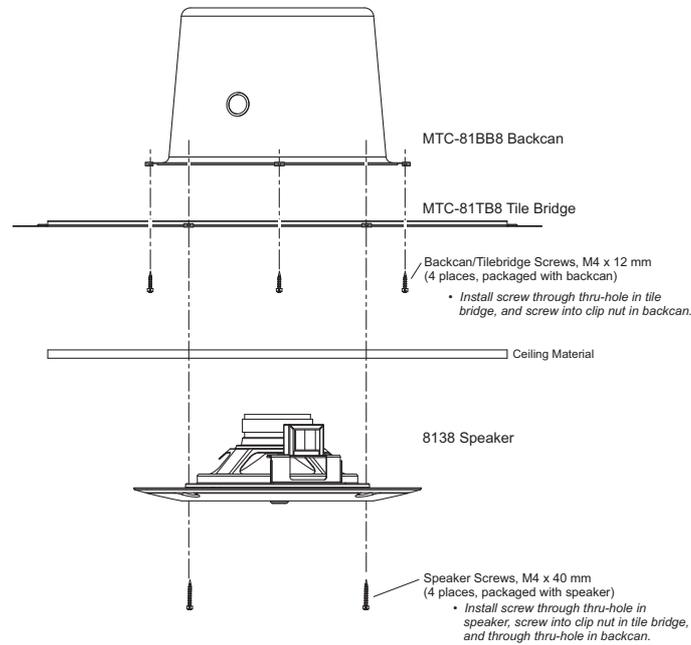
Specifications:

Material:	19 gauge (1.0 mm thickness) steel, finished in black polymer e-coating for a high level of rust resistance.
Attachment Points:	4 clip-nuts (ie, speed-clips, tinnerman clips) fit 4 mm tapping screws attaching speaker to tile bridge.
Thru-Holes:	4 thru-holes on 286 mm (11¼ in) mounting circle for attaching tile bridge to backcan
Dimensions (L x D):	600 mm (23.6 in) length x 359 mm (14.0 in) width
Net Weight (ea):	0.9 kg (2.0 lbs)
Shipping Weight (ea):	1.3 kg (2.7 lbs)
Associated Models:	8138 200 mm (8 in) ceiling speaker MTC-81BB8 backbox

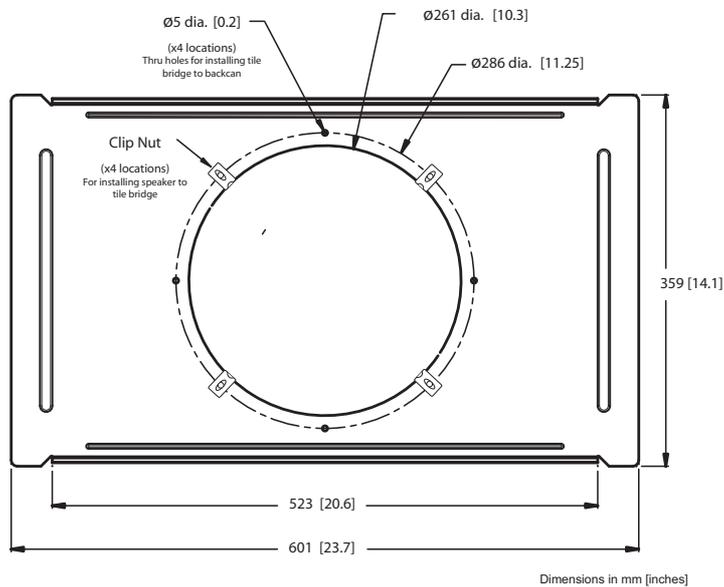
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► MTC-81TB8 Pre-Install In-Ceiling Tile Bridge for Pre-Install Backbox

Assembly:



Dimensions:



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