Lowell HEARD EVERYWHERE®

LBS8-R1

Tile Bridge with Twist'n Lock™ Mount for Suspended Tile Ceilings

Features

- Twist'n Lock™ tabs mount noted backboxes without using tools or hardware for fast installation.
- Formed construction is lightweight with rigid support.
- Mounts 6" speakers with WB8-6 screw mount grille or CN8M, CS8W, WB8T, SB8W or SB8W-EL torsion grille.
- Mounts backbox Series XCP8, IX610, IX610-EL.

Description

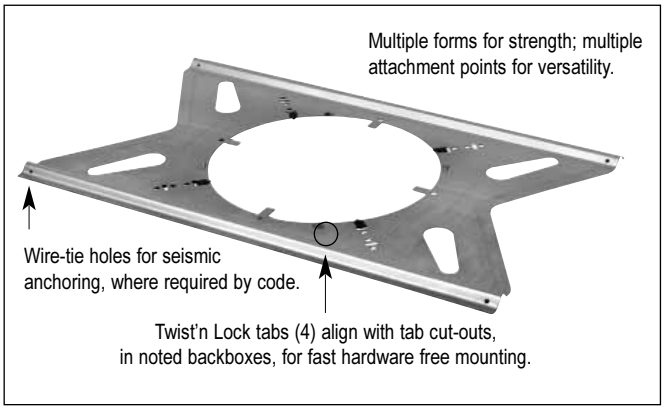
Lowell tile bridge Model LBS8-R1 is engineered to distribute the speaker assembly weight to the ceiling support system in a suspended 2' x 2' or 2' x 4' tile ceiling system. Tile bridges are often required, for safety reasons, by local building codes, and for aesthetics to reduce the potential of unsightly ceiling tile sag. *For hard ceiling applications, use Lowell's PR or XPR Series mounting rings.*

Lowell's tile bridge Model LBS8-R1 may be used with or without a backbox, depending on local building codes and the speaker-grille combination being installed (torsion grilles require a backbox). As most installations do utilize a backbox, Lowell engineered a time saving backbox mounting feature. The unique Twist'n Lock™ feature provides hardware-free backbox mounting to speed system installation and reduce labor cost. The Twist'n Lock™ feature includes four (4) formed tabs on the tile bridge that align with four (4) punched cut-outs in the lip of designated Lowell backboxes. To install, simply place the backbox on to the tile bridge, align cutouts with the tabs, push down and twist to lock in position; no screws or fastening hardware required.

Model LBS8-R1 is galvanized 22-gauge steel size 23.75"L x 15.5"W with multiple forms for strength, a center opening size 10.75"Dia., and wire-tie holes at each corner for anchoring where required by code. Companion backboxes and grilles are shown in the chart below. Model Series XCP8 (avail. in 4", 7" and 10" depths) and Model IX810 for mounting heavy drivers with torsion grilles include cut-outs for utilizing the Twist'n Lock™ feature. All models, including those with cut-outs, may alternatively be mounted using 8-32 screws (by others) if desired.

A & E Specifications

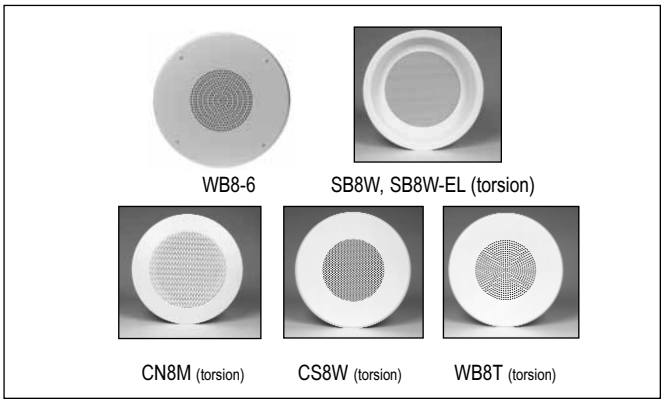
Tile bridge shall be Lowell Model LBS8-R1. It shall be formed from 22-gauge galvanized steel and be engineered to support and distribute the weight of a 6" speaker assembly to the ceiling support system in a 2' x 2' or 2' x 4' suspended ceiling installation. It shall include provisions for seismic anchoring where required by code. Tile bridge shall mount Lowell grille Model_____ with attached Lowell speaker Model ____. For plenum installations and applications that require a protective backbox, tile bridge/speaker/grille assembly shall accept Lowell backbox Model _____.



Tile bridge Model LBS8-R1

Backboxes with tab cut-outs on lip for Twist'n Lock installation to LBS8-R1 (may also be screw mounted).

Backboxes for screw installation to LBS8-R1



Companion grilles

TILE BRIDGE SPECIFICATIONS

Model	Mounts Speaker	Outside Dimensions	Opening Size	Mounts Backbox (if desired)	Mounts Grille or Speaker Assembly with Grille
LBS8-R1	6"	23.75"L x 15.5"W	10.75" Dia.	Series: XCP8	WB8-6
				Model: IX610	CN-8M (torsion)**, CS-8W (torsion)**, WB-8T (torsion)**
				Model IX610-EL*	SB8W-EL(torsion)**

* The IX610-EL does not include cutouts for tab mounting but may be screw mounted using 8-32 screws. ** Torsion grilles require noted backbox to use the tile bridge.

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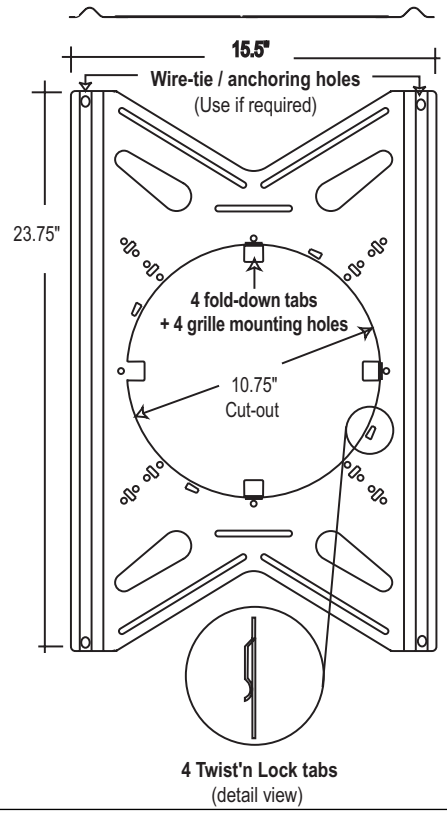

Installation Overview

(see complete instructions below)

Place tile bridge in position on the finish/room side of the ceiling tile. Use the center opening as a template to score/cut the ceiling tile.

If you are installing a screw-mount grille, mark or punch the four grille mounting holes on the finish side of tile *Note: no grille holes are required if using a torsion grille.*

Turn the ceiling tile over and place the tile bridge on the back side over the cutout tile then push the fold-down tabs into the cutout so they grip the tile.

Use the 4 Twist'n Lock tabs to secure the backbox (if used) to the tile bridge.

Pull wiring into backbox.

Wire speaker/grille assembly then screw mount (using 4 white screws provided) through the grille mounting holes (marked on tile) and into the tile bridge, or torsion mount to the backcan (using 2 torsion springs provided).

Typical Installation of Tile Bridge LBS8-R1

1) Place ceiling tile finish-side up on the floor or work surface.

2) Place tile bridge on the finish side and score/cut along the center opening between the four 'fold-down' tabs.

3) Before removing the tile bridge, determine if you are installing a screw-mount or a torsion-mount grille. If using a screw-mount grille, mark/punch the (4) grille mounting holes adjacent to the four fold-down tabs (Note: you will want these visible when you mount the speaker/grille assembly). If using a torsion grille, no marking/punching is required.

4) Remove the tile bridge to score/cut the four areas that were covered by the fold-down' tabs on the tile bridge. The result should be a round cutout in the tile and (4) marks or holes if using a screw-mount grille.

5) Turn the tile over and place the tile bridge on the back side over the cut-out. Fold the center tabs on the tile bridge down into the cutout to grip/hold the tile.

6) Place the backbox (if used*) on to the tile bridge and align the Twist'n Lock tabs with the cutouts in the lip of the back-box, then press down and turn the backbox right to lock/secure the backbox to the tile bridge. Note: Sometimes during shipping the tabs on the tile bridge are flattened, so you may need to lift them up using a screwdriver. *Alternatively, the backbox may be secured using 8-32 screws (by others) instead of the Twist'n Lock tabs.*

7) Place the tile assembly on to the ceiling grid. The weight of the tile bridge (and speaker when installed) typically keeps the assembly in position, however you may choose to clip or screw the tile bridge to the structure using field supplied hardware. Note: some building codes require the assembly to be secured to the ceiling structure so wire-tie holes are provided at each corner for anchoring.

8) After the speaker wiring is pulled into the backbox, the speaker/grille assembly may be wired and then secured using the (4) white screws provided with screw-mount grilles or the (2) torsion springs supplied with torsion grilles. Note: the pre-marked or punched holes from step 3, will be very much appreciated at this final step if using screw-mount grilles.

**For applications that do not require a backbox, skip step 6 and go to step 7.*