

Description

Lowell Model DX108 is a professional 1cu.ft. acoustic backbox designed to provide the highest quality sound reinforcement for distributed 8" speaker systems. The 10.5"D backbox with premium acoustic lining and extended grille mounting flange provides systems designers with a large volume acoustic backbox that is ideal for high fidelity recessed speaker applications. The extended flange facilitates use in new construction where it protects the opening from plaster, poured concrete, or sheetrock. The backbox may also be used in new or existing construction when installed into suspended tile ceilings.

Model DX108 is fabricated of welded, unitized heavy gauge steel and is sufficiently undercoated to eliminate acoustic and metallic resonance. It is generously lined with 1-1/2" thick premium acoustic lining having a density rating of 1-1/2 pounds to absorb undesirable resonance in the high frequency range. The 10.5" depth of this model also allows a standard or high performance 8" speaker to operate at an optimum loading level to provide the system with improved low frequency response. *Lowell offers a wide selection of 8" speaker drivers with optional 70V or 25V transformer for distributed voice paging and music. Popular 8" drivers include Model 805 (12W dual cone), 810 (15W dual cone), 8C10MRA (15W moisture resistant), CT830 (20W coaxial), CT8320 (25W coaxial), and high performance 8A50 (50W coaxial).*

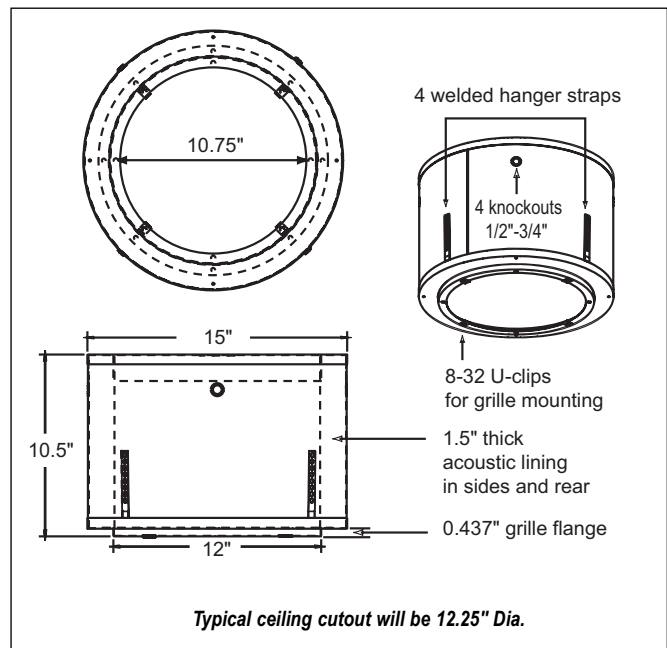
Each unit is furnished with four combination 1/2" - 3/4" knockouts for conduit and four flexible hanger straps that are welded for additional support or seismic anchoring. The grille mounting flange projects .437" for efficient installation in plaster, poured concrete, sheetrock, or suspended tile ceilings. The flange includes 8-32 screw retaining U-clips to accept a wide variety of Lowell 8" speaker grilles - see chart below (order separately). When installed in a suspended tile ceiling, tile bridge Model LBS8-CP or SS Series channel rails are recommended to transfer the assembly weight to the ceiling grid. The backbox is finished in Lowell's durable black powder epoxy.

A & E Specifications

The recessed acoustic backbox for 8" speakers shall be Lowell Model DX108. It shall be fabricated of 22 gauge steel, undercoated, and lined with 1-1/2" thick acoustic lining to eliminate resonance. The backbox shall measure 15" Dia. x 10.5"H with a volume of 1cu.ft. It shall be furnished with four 1/2" - 3/4" compound knockouts for conduit and four flexible welded hanger straps. It shall be finished in black powder epoxy and have an extended flange to mount Lowell grille Model _____. It shall mount 8" driver Model _____. For suspended ceiling applications, tile bridge Model LBS8-CP or channel rail Model SS24 or SS30 may also be specified.



DX108
1cu.ft. Acoustical Backbox for 8" Speakers



Backbox Specifications and Companion Mounting Accessories

Model	Speaker Size*	Features	Volume	Dimensions	Mounts Grille (order separately - see p.2)
DX108	8"	Extended lip for sheetrock + batting	1 cu.ft.	15"Dia x 10.5"H	A8-A, A8-AW, CS-8H, LO-8P, OM-8P, RS8-A, RS8-AW, WB-8, WB-8H, WB-8-6**

*Lowell offers a wide selection of 8" speaker drivers with optional 70V or 25V transformer for distributed voice paging and music. Popular 8" drivers include Model 805 (12W dual cone), 810 (15W dual cone), 8C10MRA (15W moisture resistant), CT830 (20W coaxial), CT8320 (25W coaxial), and 8A50 (50W coaxial).

** Grille Model WB8-6 mounts only a 6.5" speaker .

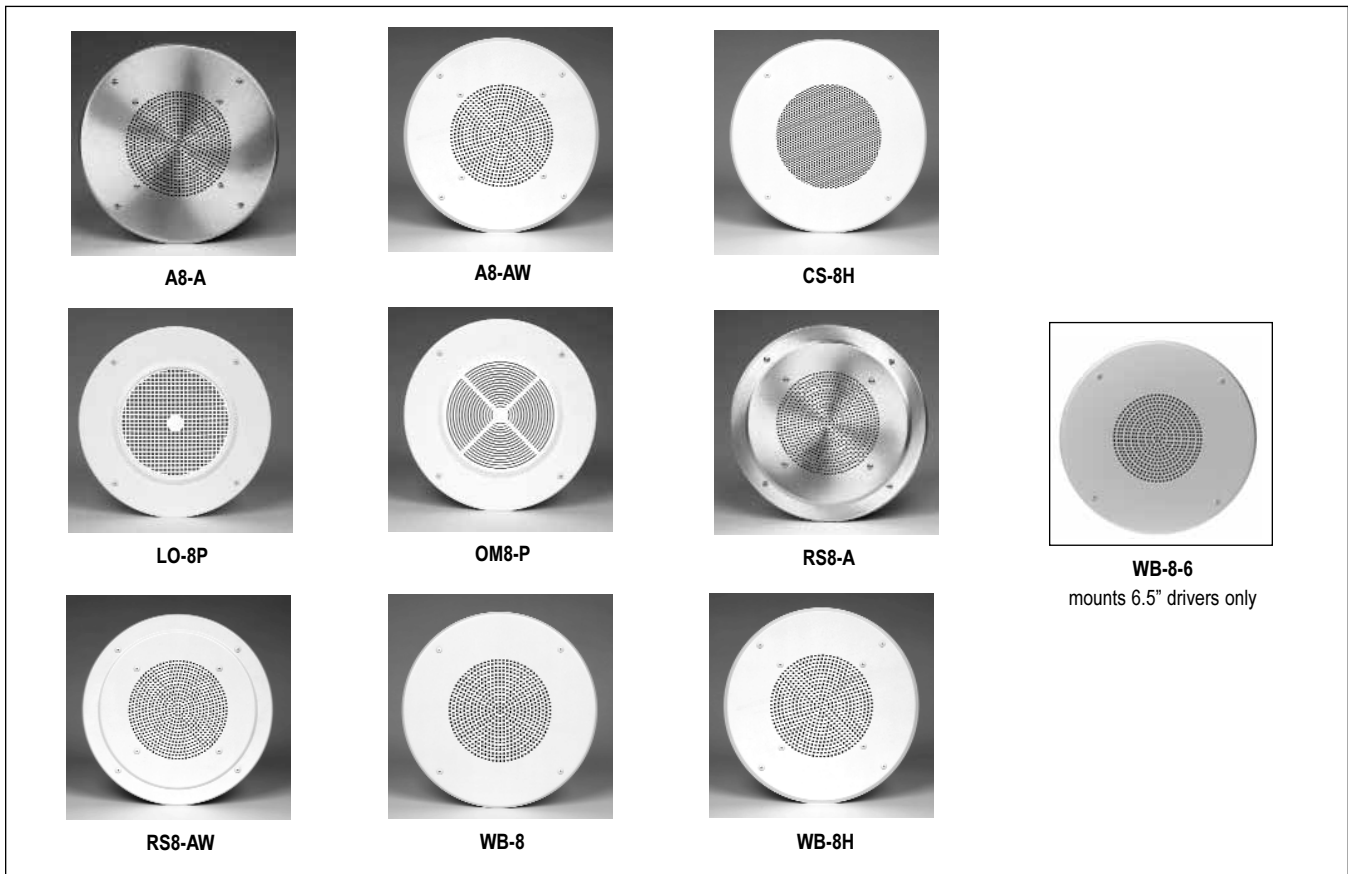


DX108

Cylindrical 1cu.ft. Acoustic Backbox for 8" Speakers

**A
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Companion accessories for backbox Models DX108 (order separately)



12"/10"
Speakers & Accessories

8"
Speakers & Accessories

6"
Speakers & Accessories

4"
Speakers & Accessories

Horn
Speakers & Accessories

Masking
Speakers & Generators

Control
Accessories & Electronics

Backboxes - Recessed

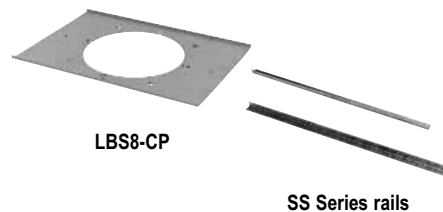
Grille Details

Grille Model	Speaker Size*	Grille Size	Mounting Provisions	Material	Color	Backbox	+	T-Bridge (if required for suspended ceilings)
A8-A	8"	12.875" Dia.	8 screws	Alum.	Brushed Alum.			
A8-AW	8"	12.875" Dia.	8 Screws	Alum.	White			
CS-8H	8"	12.875" Dia.	4 screws, 4 studs	Steel	White			
LO8-P	8"	12.625" Dia.	4 screws, 4 bosses	Plastic	White	DX108		LBS8-CP or SS rails
OM8-P	8"	12.625" Dia.	4 screws, 4 bosses	Plastic	White			
RS8-A	8"	12.875" Dia.	8 screws	Alum.	Brushed Alum			
RS8-AW	8"	12.875" Dia.	8 screws	Alum.	White			
WB-8	8" (or Unihorn***)	12.875" Dia.	4 Screws, 4 studs	Steel	White			
WB-8H	8"	12.875" Dia.	8 Screws	Steel	White			
WB8-6	6.5" **	12.875" Dia.	4 screws, 4 studs	Steel	White			

*Lowell offers a wide selection of 8" speaker drivers with optional 70V or 25V transformer for distributed voice paging and music. Popular 8" drivers include Model 805 (12W dual cone), 810 (15W dual cone), 8C10MR (15W moisture resistant), CT830 (20W coaxial), CT8320 (25W coaxial), and 8A50 (50W coaxial).

** 6.5" driver Model 6A40 will only mount grille Model WB-8-6.

*** Unihorn Model LUH-15T may be used instead of an 8" speaker to mount grille Model WB-8 to backbox Model DX108.



Tile Bridge & Rail Details

LBS8-CP	23.75"L	Round opening accepts flange on DX108.
SS-24	23.75"L	Channel rails (pair)
SS-30	30"L	Channel rails (pair)