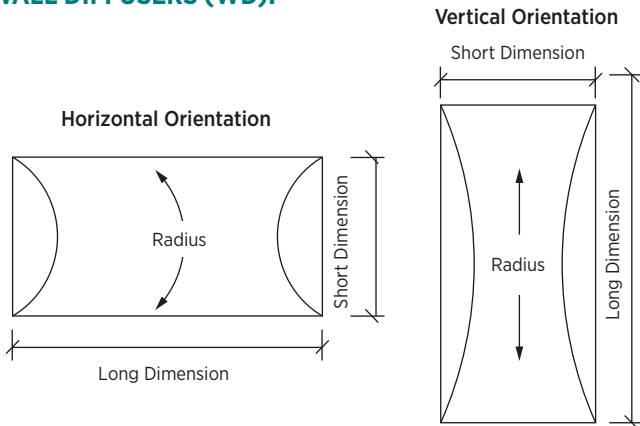


Acoustical Fulfillment Wall Diffusers

Acoustical Fulfillment Wall Diffusers bring form and function to recording studios, music venues, houses of worship, and other spaces requiring sound diffusion. Both aesthetically pleasing and high-impact ready, they evenly diffuse sound in your room while effectively eliminating flutter echo. Our diffusers also provide excellent low frequency absorption while reflecting and maintaining the higher frequencies in your room.

Choose the appropriate diffuser for the acoustical issue in your room—Standard Diffuser, Low Frequency Diffuser, or Reflective Diffuser. All diffusers come in a textured white finish, custom color, or fabric wrapped, with a two-part mounting system.

WALL DIFFUSERS (WD):



SOUND ABSORPTION::

Standard Wall Diffuser

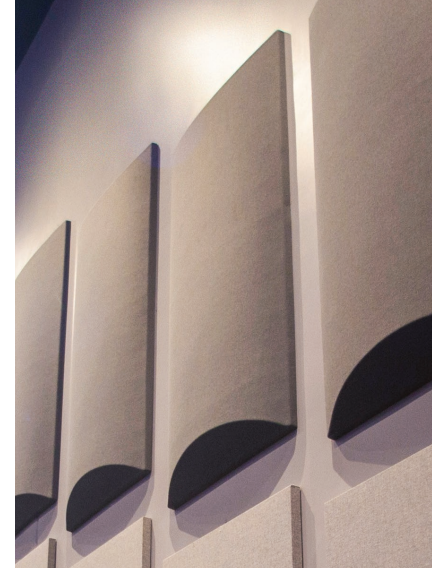
Hz	125	250	500	1000	2000	4000	N.R.C.
WD-ST	1.62	.46	.19	.08	.05	.05	.20

Low Frequency Wall Diffuser (low-frequency absorption)

Hz	125	250	500	1000	2000	4000	N.R.C.
WD-LF	1.01	.52	.37	.21	.20	.20	.35

Reflective Wall Diffuser (liner for additional sound reflection)

Hz	125	250	500	1000	2000	4000	NRC
WD-RF	.10	.08	.02	.01	.02	.08	.05



SPECIFICATIONS:

Core

WD-ST: 0.125 Thermoformed
co-polymer (recyclable),
N.R.C. = .20

WD-LF: Add 1-1/2", 1-1/2 pcf
fiberglass backing,
N.R.C. = .35

WD-RF: Add additional stiffener,
N.R.C. = .05

Sizes

Small Diffusers: (sides up to 4')
1.5'x1.5', 2'x2', 2'x4', 3'x3', 4'x4'

Large Diffusers: (one side above 4')

Horizontal sizes: 2'x6', 3'x5', 4'x5',
3'x6', 4'x6', 4'x8'

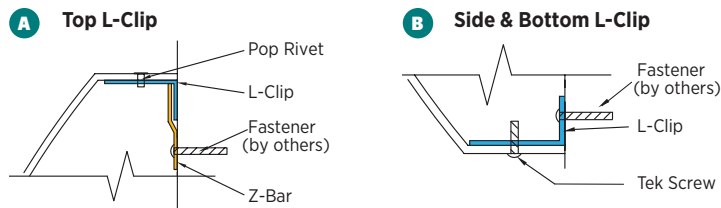
Vertical sizes: 6'x2', 5'x3', 5'x4',
6'x3', 6'x4', 8'x4'

Custom sizes available

Wall Diffusers Install Guide

Before you start:

- Have your acoustical spec on hand for reference.
- Note if design plans calls for vertical or horizontal installation.
- Review included parts (L-Clips, Z-Bars, Pop Rivets, and Tek Screws) based on diffuser size and orientation.
- Review installation instructions and drawings (A, B, C, D).



Installation Instructions:

STEP 1

Attach Top L-Clip to Diffusers (A)

1. Align top **L-Clips** so the 3/4" leg is flush with the edge of the diffuser. Using the L-Clip as a template, mark and drill (2) 1/8" holes from the top down.
2. Insert **pop-rivets** from the top down and rivet L-Clip to the diffuser.

Note: Top clips receive Z-Bar mounting.

STEP 2

Mount Diffusers to the Wall

1. Attach **Z-Bars** for top L-Clips to the wall using appropriate **sized** fasteners (fasteners are not included) making sure they are aligned with the top L-Clips on the diffuser. (A, C)

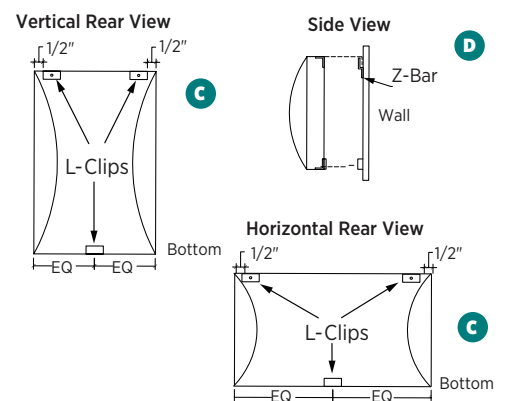
Note: The top of each Z-Bar should be 1/8" below the desired diffuser height. Be sure to allow 1" minimum clearance above the top of each Z-Bar for L-Clip attachment. (B, D)

2. Attach bottom and side **L-Clips** (B, C) to the wall using appropriate **sized** fasteners (not included). **Note:** L-Clips should be 1/8" inside the exterior edge of the diffuser.
3. Install the diffuser by dropping the top L-Clips onto the Z-Bar so they are fully engaged. (A, D)
4. Be sure the exterior edge of the diffuser overlaps and hides the bottom and side L-Clips. Attach the diffuser to the side and bottom L-Clips (B) with #8 x 3/4" **Tek Screw** (included).

Parts List:

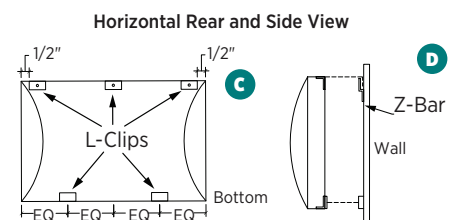
Small Diffusers (size of sides up to 4 feet)

For installation of all small WD panels:			
3x 6", L-Clips	2x 6", Z-Bars	4x Pop Rivets	1x Tek Screw



Large Diffusers (one side greater than 4 feet)

For installation of Horizontal WD panels			
5x 6", L-Clips	3x 6", Z-Bars	6x Pop Rivets	2x Tek Screw



For installation of Vertical WD panels			
5x 6", L-Clips	2x 6", Z-Bars	4x Pop Rivets	3x Tek Screw

