



KEY FEATURES

- Quadratic Residue Prime7[™] Periodic Reflection Phase Grate Diffuser
- One-Dimensional Diffusion with Wide-Range Scattering
- Two-Dimensional Diffusion & Sound Scattering Can Be Achieved by Grouping Installed Products in an Altering Pattern Array
- Sequence Same for All Diffuser Sizes
- Designed for Ceiling & Wall Installations
- Matte White Painted Finish Provides Excellent Light Reflectivity
- Custom Color Finishes Available
- Prime7[™] Ceiling Diffuser's Precise Tolerances & Mono-Block Construction Insures No Resonances, Rattles or Sympathetic Vibration Will Be Caused or Heard, and High STC Ratings are Achieved
- Optional Decorative Fabric Facings from Guilford of Maine or Designer Selections from Maharam, Carnegie, DesignTex, Knoll, & More!

* Standard materials have dimensional and weight variations. Calculations are approximate and represent material averages to the best of our knowledge.

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TECHNICAL FEATURES

- Thickness (Nominal): 4"
- Sizes (Nominal): 2'x2', 2'x4', 4'x4'
- Edge Profile: Square or Tegular
- Finish: Matte White Painted Finish

Optional Colors and Fabric Facings Available

- Installation Methods: Tilt & Place in Standard T-Bar Grid Systems, Cleat Mount for Wall Installations
- Weight: 1.1 Lbs/ Square Foot (Same As Commercial Ceiling Tile)
- Fire Performance: Class A

ACOUSTICAL DATA

| Acoustical Performance - Absorption Coefficients | | | | | | | | | | |
|--|------|------|------|------|------|------|------|--|--|--|
| Frequency (Hz) | 125 | 250 | 500 | 1K | 2К | 4К | NRC | | | |
| Absorption Coefficients Type E-400 Mounting | 0.48 | 0.40 | 0.38 | 0.33 | 0.19 | 0.19 | 0.30 | | | |

| Acoustical Performance - Sound Diffusion & Scattering | | | | | | | | | | |
|---|------|------|------|------|------|------|------|--|--|--|
| Frequency (Hz) | 125 | 250 | 500 | 1K | 2K | 4К | 8K | | | |
| Diffusion Coefficients | 0.04 | 0.10 | 0.60 | 0.58 | 0.46 | 0.47 | 0.27 | | | |
| Scattering Coefficients | 0.01 | 0.03 | 0.33 | 0.75 | 0.90 | 0.88 | 0.77 | | | |

WARRANTY

AVL Systems' Limited Warranty extends for ONE FULL YEAR from original date of shipment.