

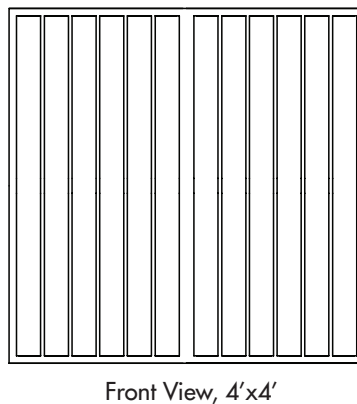
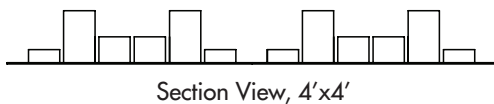
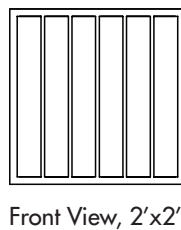
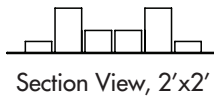
# QUADRATIC RESIDUE CEILING DIFFUSERS (QRCD)

When installed in a ceiling grid system or hung independently, G&S Acoustics' Quadratic Residue Ceiling Diffusers use their shape to **reflect sound evenly** in a room. Quadratic Residue Ceiling Diffusers improve sound quality by disrupting standing sound waves that occur between parallel surfaces such as ceilings and floors.

Our Quadratic Residue Ceiling Diffusers are designed using the **quadratic residue sequences** of elementary number theory to effectively diffuse sound frequencies ranging from 775 - 2260 Hz.

Now available in 2'x2' and 4'x4' modules.

## QUADRATIC RESIDUE CEILING DIFFUSER - QRCD



### SOUND ABSORPTION - E-400 MOUNTING TEST METHOD

Hz	125	250	500	1000	2000	4000	NRC
QRCD	.66	.62	.35	.38	.30	.22	.40

### SOUND SCATTERING

Hz	125	250	500	1000	2000	4000	8000
QRCD	.09	.33	.64	.81	.82	.91	.87



#### CORE

QRCD: 0.125 Thermoformed co-polymer (recyclable)

#### SIZES

2'x2', 4'x4'

#### WELL DEPTH

1-1/4", 2-1/2", and 5"

#### WELL WIDTH

3"

#### MOUNTING

15/16" Lay-in ceiling grid system  
Direct mount to ceiling

#### FINISH

Textured white finish

#### FLAMMABILITY

All components have a Class "A" rating per ASTM E84

*Controlling  
Sound  
Beautifully*