



**SPECIFICATIONS FOR ALL DIFFUSERS MODEL #
SXXXXXXX**

Architectural square diffusers SXXXXXXX shall be manufactured by INVI, constructed of composite material with 22 gauge steel flanges as mounting hardware.

The face panel of all models shall be attached to the diffuser frame by four steel support brackets. Architectural square diffusers have the option of a fixed face or a removable face. The face panel and the ridge of the diffuser frame shall be flush with the ceiling line, which, unless otherwise specified, shall accommodate 5/8" thick gypsum board. The ridge of the diffuser frame shall be textured and primed to receive joint compound for a seamless finish with a gypsum ceiling. Additionally, all visible surfaces of the product shall be primed flat white. Exposed flanges within the assembly's intended plenum box shall be insulated with 1/2" rubber foam. All materials used within the diffuser assembly shall be either non-flammable or certified to have an ASTM E-84 flame spread index of less than 25 and smoke-developed index of less than 50, and be CARB Phase 2 compliant. Performance data shall be made available by Invi Air.

Ceiling frame shall be spaced to the indicated size below, unless customized mounting hardware is requested. The height of plenum boxes constructed shall be 1" less than intended total height to account for depth of diffuser hardware above the ceiling line.

Standard Invi mounting hardware is intended to accept a plenum box of the dimensions listed below, with a raw face along the bottom edge (no flanges). Insulated lining is recommended for all plenum boxes. Customer can optionally request plenum boxes fabricated by Invi.

MODEL #	OPENING	# SLOTS	SLOT WIDTH	FRAME SIZE	PLENUM	PLENUM SIZE
S0801100	8"	1	1"	13.5"	OPTIONAL	12.75"x12.75"xSPECIFY
S1201100	12"	1	1"	17.5"	OPTIONAL	16.75"x16.75"xSPECIFY
S1202100	12"	2	1"	17.5"	OPTIONAL	16.75"x16.75"xSPECIFY
S1801100	18"	1	1"	23.5"	OPTIONAL	22.75"x22.75"xSPECIFY
S1802100	18"	2	1"	23.5"	OPTIONAL	22.75"x22.75"xSPECIFY
S2401100	24"	1	1"	29.5"	OPTIONAL	28.75"x28.75"xSPECIFY
S2402100	24"	2	1"	29.5"	OPTIONAL	28.75"x28.75"xSPECIFY