



SPECIFICATIONS FOR ALL DIFFUSERS MODEL # SXXXXXXX

Architectural square diffusers SXXXXXXX will be manufactured by Invi Air, constructed of composite material with aluminum flanges as mounting hardware.

Aluminum flanges will be attached to the diffuser frame by aluminum rivets unless otherwise specified. The face panel of all models will be attached to the diffuser frame by four steel support brackets. Architectural round diffusers have the option of a fixed face or a removable face. The face panel and the mud-in ridge of the diffuser frame will be flush with the ceiling line, which, unless otherwise specified, will accommodate 5/8" thick gypsum board. The mud-in ridge of the diffuser frame will be textured and primed to receive joint compound for a seamless finish with a gypsum ceiling. Additionally, all visible surfaces of the composite material will be primed flat white. All materials used within the diffuser assembly will 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 for all standard diffusers listed here will be made available by Invi Air.

Ceiling frame must be spaced by the installer to the indicated size below, unless customized mounting hardware is requested. Plenum boxes must be supported in place by the installer independently of the diffuser and frame.

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 | CEILING FRAME SIZE | PLENUM | PLENUM SIZE |
|----------|---------|---------|------------|--------------------|----------|---------------------------|
| S0801075 | 8" | 1 | 3/4" | 13.5" x 13.5" | OPTIONAL | 11.75" x 11.75" x SPECIFY |
| S1201088 | 12" | 1 | 7/8" | 17.5" x 17.5" | OPTIONAL | 15.75" x 15.75" x SPECIFY |
| S1202088 | 12" | 2 | 7/8" | 17.5" x 17.5" | OPTIONAL | 15.75" x 15.75" x SPECIFY |
| S1801100 | 18" | 1 | 1" | 23.5" x 23.5" | OPTIONAL | 21.75" x 21.75" x SPECIFY |
| S1802100 | 18" | 2 | 1" | 23.5" x 23.5" | OPTIONAL | 21.75" x 21.75" x SPECIFY |
| S2401100 | 24" | 1 | 1" | 29.5" x 29.5" | OPTIONAL | 27.75" x 27.75" x SPECIFY |
| S2402100 | 24" | 2 | 1" | 29.5" x 29.5" | OPTIONAL | 27.75" x 27.75" x SPECIFY |