



SPECIFICATIONS FOR ALL DIFFUSERS MODEL #
SLXXXXXXX

Architectural square diffusers with light SLXXXXXXX will be manufactured by INVI, constructed of composite material with 22 gauge steel flanges as mounting hardware, and will include a plenum box constructed by INVI, and an integral LED panel luminaire mounted to the removable face of the diffuser.

LED luminaire will consist of a switch assembly, a UL approved panel and driver assembly, with all integral wiring housed in flexible steel conduit. The LED luminaire is to be wired upon installation by connecting to the switch assembly according to local code requirements. The switch assembly and driver will be mounted to removable panels on the product's plenum box, which are accessible when the product face is removed. LED array color temperatures can be specified either warm white (approximately 3000K) or cool white (approximately 5000K). Brightness will be at least 25 lumens per square inch of the LED panel, and is intended to be used in conjunction with a dimmer switch.

The face panel of all models will be removable, attached to the diffuser frame by four steel support brackets. The face panel and the ridge of the diffuser frame will be flush with the ceiling line, which, unless otherwise specified, will accommodate 5/8" thick gypsum board. The 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 product will be primed flat white. Exposed flanges within the assembly's intended plenum box will be insulated with 1" rubber foam. 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 will be made available by Invi Air.

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

MODEL #	OPENING	# SLOTS	SLOT WIDTH	FRAME SIZE	LIGHT SIZE PER SIDE	LIGHT TEMP. WARM/COOL	PLENUM SIZE
SL1201100	12"	1	1"	17.5"	5"	SPECIFY	16.75"x16.75"xSPECIFY
SL1801100	18"	1	1"	23.5"	11"	SPECIFY	22.75"x22.75"xSPECIFY
SL2401100	24"	1	1"	29.5"	14"	SPECIFY	28.75"x28.75"xSPECIFY