



SPECIFICATIONS FOR ALL DIFFUSERS MODEL # L4502XXX

Architectural linear diffusers L4502XXX will be manufactured by Invi Air, constructed of composite material with aluminum flanges as mounting hardware.

Invi will supply individual sections up to 6' in length, with longer diffusers made up of individual sections butted together and joined along the mounting hardware and with mending plates.

The aluminum flanges will be attached to the diffuser with aluminum rivets unless otherwise specified. The two halves of all models will be attached by steel support brackets. The mud-in ridge of the linear diffuser 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 or wall. 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 models listed below will be made available by Invi Air.

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

Standard Invi Air 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 #	DIFFUSER LENGTH (A)	TOTAL PRODUCT LENGTH	# SLOTS	SLOT WIDTH (B)	REQ. CEILING FRAME OPENING (2B + 8.5", A + 2.5")	PLENUM	PLENUM WIDTH (2B + 6.75")	PLENUM LENGTH	PLENUM HEIGHT
L4502050	SPECIFY	A + 5"	1	1/2"	9.5" x A + 2.5"	OPTIONAL	7.75"	A + 3/4"	SPECIFY
L4502075	SPECIFY	A + 5"	1	3/4"	10" x A + 2.5"	OPTIONAL	8.25"	A + 3/4"	SPECIFY
L4502100	SPECIFY	A + 5"	1	1"	10.5" x A + 2.5"	OPTIONAL	8.75"	A + 3/4"	SPECIFY
L4502150	SPECIFY	A + 5"	1	1 1/2"	11.5" x A + 2.5"	OPTIONAL	9.75"	A + 3/4"	SPECIFY
L4502200	SPECIFY	A + 5"	1	2"	12.5" x A + 2.5"	OPTIONAL	10.75"	A + 3/4"	SPECIFY