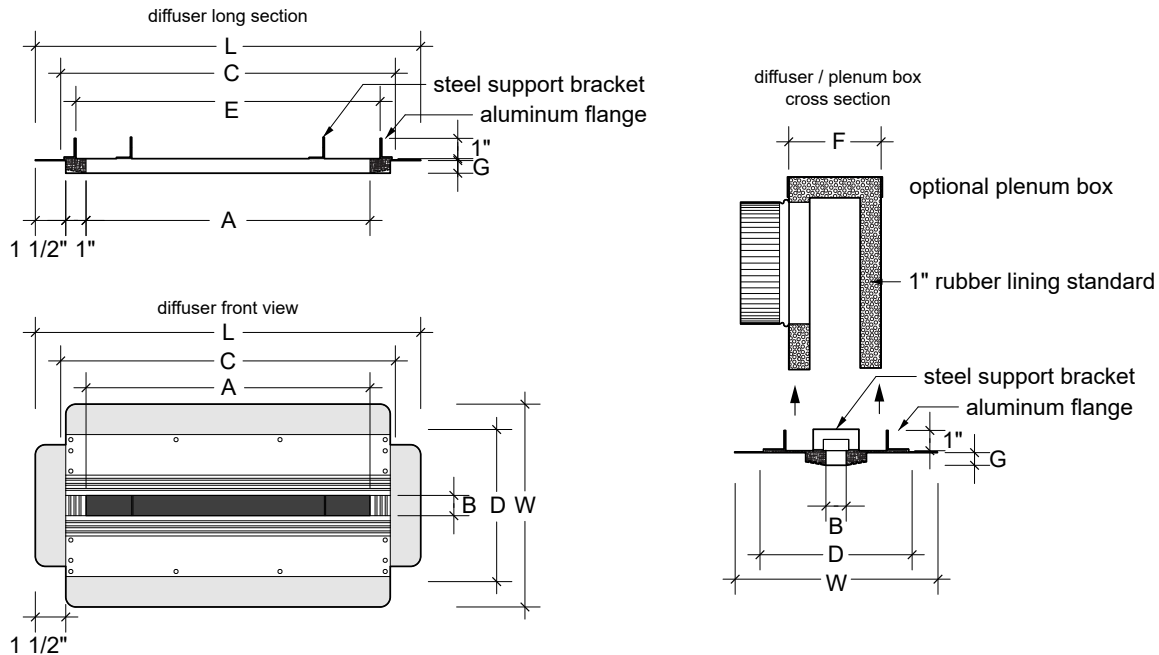


MODEL L100

ARCHITECTURAL LINEAR DIFFUSERS: 1 SLOT 90° OPENING FLUSH MOUNT, TAPE AND SPACKLE INSTALLATION

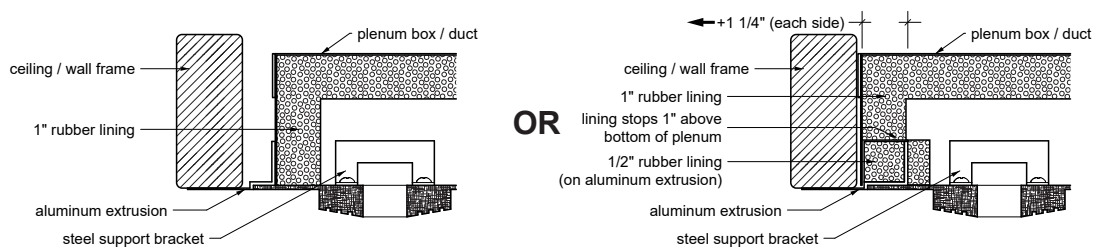


PRODUCT DIMENSIONS

	PRODUCT CODE	(A) DIFFUSER LENGTH	(B) SLOT WIDTH	(C) ROUGH OPENING LENGTH	(D) ROUGH OPENING WIDTH	(E) PLENUM BOX LENGTH	(F) PLENUM BOX WIDTH	(L) OVERALL PRODUCT LENGTH	(W) OVERALL PRODUCT WIDTH	(G) GYPSUM BOARD THICKNESS
☐	L0001050	SPECIFY	1/2"	A + 2.5"	7"	A + 1"	4 1/2"	A + 5"	9 1/2"	UP TO 5/8"
☐	L0001075	SPECIFY	3/4"	A + 2.5"	7 1/4"	A + 1"	4 3/4"	A + 5"	9 3/4"	UP TO 5/8"
☐	L0001100	SPECIFY	1"	A + 2.5"	7 1/2"	A + 1"	5"	A + 5"	10"	UP TO 5/8"
☐	L0001150	SPECIFY	1 1/2"	A + 2.5"	8"	A + 1"	5 1/2"	A + 5"	10 1/2"	UP TO 5/8"
☐	L0001200	SPECIFY	2"	A + 2.5"	8 1/2"	A + 1"	6"	A + 5"	11"	UP TO 5/8"

DIFFUSER SPECIFICATIONS AND OPTIONS

1) DIFFUSER INSTALLS OUTSIDE OR INSIDE OF PLENUM BOX OR DUCT

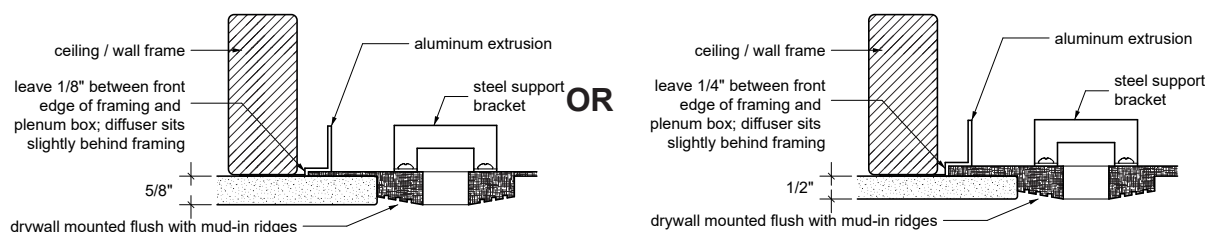


OR

□ STANDARD DIFFUSER-OUT INSTALLATION

□DIFFUSER-IN INSTALLATION (ADD +1.25" TO E AND +2.5" TO F)

2) DIFFUSER MADE FOR 5/8" OR 1/2" GYPSUM BOARD



OR

☐ 5/8" GYPSUM BOARD

□ 1/2" GYPSUM BOARD



MODEL L100

ARCHITECTURAL LINEAR DIFFUSERS: 1 SLOT 90° OPENING
FLUSH MOUNT, TAPE AND SPACKLE INSTALLATION

DIFFUSER ORDER DETAILS

PRODUCT CODE	(B) SLOT WIDTH	(A) DIFFUSER LENGTH	(E) GYPSUM BOARD THICKNESS	QTY	NOTES / OTHER SPECS
L0001050	1/2"				
	1/2"				
	1/2"				
L0001075	3/4"				
	3/4"				
	3/4"				
L0001100	1"				
	1"				
	1"				
L0001150	1 1/2"				
	1 1/2"				
	1 1/2"				
L0001200	2"				
	2"				
	2"				

OFFICE USE ONLY: ☐ KF05 ☐ OTHER

OPTIONAL PLENUM BOX ORDER SPECIFICATIONS *

* THE TABLE BELOW SHOULD BE FILLED OUT IF YOU
WISH TO PURCHASE PLENUM BOXES FROM INVI

** ADD +1.25" TO E AND +2.5" TO F OVER STANDARD DIMENSIONS IF YOU CHOSE DIFFUSER-IN INSTALLATION

E ** PLENUM LENGTH	F ** PLENUM WIDTH	PLENUM HEIGHT (SPECIFY)	QTY	DIFFUSER MOUNT TYPE	COLLAR SIZE	COLLAR LOCATION (TOP / SIDE / END)	NOTES / OTHER SPECS

CLIENT	
PROJECT	
ADDRESS	
INVOICE / PO #	
PREPARED BY	

InviAir
67 Guernsey St
Brooklyn, NY 11222
917-909-0343



PERFORMANCE DATA
INVI AIR 1-SLOT LINEAR DIFFUSER, 90° OPENING

ALL PERFORMANCE DATA FROM TESTING CONDUCTED BY
INTERTEK GROUP, IN ACCORDANCE WITH ASHRAE 70-06



SLOT WIDTH	AREA FACTOR (Ak per ft)	PARAMETERS	PERFORMANCE					
0.5"	0.034	VOLUME (CFM / ft. of length)	13	21	25	38	42	46
		STATIC PRESSURE (in. w.g.)	.005	.014	.020	.052	.055	.067
		NOISE CRITERIA	<15	<15	<15	<15	19	21
		THROW (ft. at 50 / 100 / 150 fpm)	5 / <2 / <2	12 / 5 / 2	16 / 8 / 3	24 / 16 / 8	33 / 25 / 13	39 / 30 / 16
0.75"	0.052	VOLUME (CFM / ft. of length)	19	31	44	50	56	63
		STATIC PRESSURE (in. w.g.)	.007	.018	.035	.045	.057	.071
		NOISE CRITERIA	<15	<15	<15	15	18	20
		THROW (ft. at 50 / 100 / 150 fpm)	11 / 3 / <2	15 / 8 / 3	21 / 15 / 7	25 / 19 / 10	30 / 23 / 13	36 / 28 / 16
1.0"	0.073	VOLUME (CFM / ft. of length)	25	42	50	58	67	75
		STATIC PRESSURE (in. w.g.)	.008	.022	.032	.043	.056	.070
		NOISE CRITERIA	<15	<15	<15	<15	16	19
		THROW (ft. at 50 / 100 / 150 fpm)	15 / 6 / 2	18 / 10 / 5	20 / 13 / 7	23 / 17 / 9	27 / 21 / 12	32 / 25 / 15
1.5"	0.095	VOLUME (CFM / ft. of length)	38	63	75	88	100	113
		STATIC PRESSURE (in. w.g.)	.011	.031	.044	.059	.076	.096
		NOISE CRITERIA	<15	<15	<15	<15	17	20
		THROW (ft. at 50 / 100 / 150 fpm)	19 / 8 / 3	22 / 13 / 7	25 / 16 / 10	28 / 19 / 12	32 / 24 / 15	37 / 28 / 18
2"	0.117	VOLUME (CFM / ft. of length)	50	83	100	117	133	150
		STATIC PRESSURE (in. w.g.)	.015	.039	.056	.075	.097	.122
		NOISE CRITERIA	<15	<15	<15	<15	16	20
		THROW (ft. at 50 / 100 / 150 fpm)	18 / 6 / 3	25 / 11 / 9	29 / 15 / 12	34 / 19 / 15	39 / 24 / 18	44 / 29 / 21

NOTES: Volume (CFM): standard air density and isothermal conditions

Static Pressure: inches of water gauge

Noise Criteria: based on room attenuation of 10dB (sound power level re: 10-12 watts) with 1 diffuser operating

Throw: projection distance in feet from the diffuser discharge at which the maximum velocity has been reduced to the specified terminal velocity

Terminal Velocity: maximum velocity (Vt) in feet per minute, at the specified distance from the outlet face

Actual samples used for testing measured 4 feet in length

NOISE CRITERIA (NC) ADJUSTMENTS FOR VARIOUS LENGTHS			
24" = -3 NC	48" = ±0 NC	60" = +1 NC	96" = +3 NC