

MODEL SL1 & SL2

LINEAR LOUVERED FACE GRILLE

APPLICATION:

SL1 One Way Deflection

SL2 Two Ways Deflection

SL Series linear vane diffusers feature crisp linear styling for supply and return air distribution application in ceilings or sidewalls. Designed for use in continuous lengths, the fixed louvers of the SL Series provide positive air deflection and are available in either One-Way deflection or Two-Way deflection for all ceiling types.



CONSTRUCTION:

Extruded aluminum construction with precise mitered corners. Fixed louvers provide positive airflow. Alignment pins furnished for continuous lengths. Choice of One-Way or Two-Way deflection core styles in a variety of standard widths.

Standard one piece length is 8ft (2400mm).

For continuous length, sections can be joined together by using alignment strips.

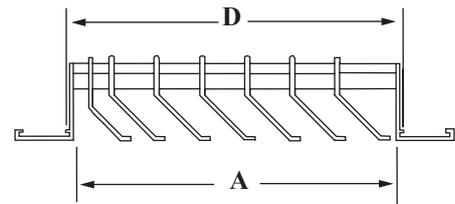
SL Series are supplied as standard anodized or power coating Ral 9010 finish.

ACCESSORIES AND OPTIONS:

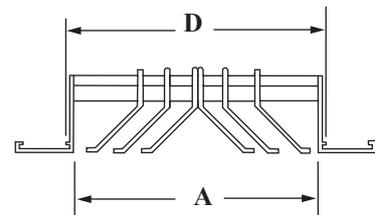
- Opposed blade dampers.
- Foam gasket.
- Blank off strips.
- Various finish colors.

Available widths:

D: From 3" (76mm) up to 12" (305mm).



SL1 One Way Deflection



SL2 Two Way Deflection



SL1 One Way Deflection

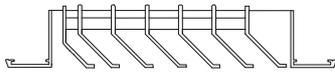


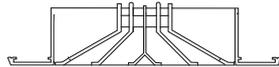
SL2 Two Way Deflection

SERIES SL

LINEAR LOUVERED FACE GRILLE

PERFORMANCE DATA

SL1 PERFORMANCE DATA									
3 1/2"	Flow CFM / Ft.		21	32	42	53	64	74	85
	NC		----	18	26	31	36	40	44
	Throw (Ft)	Ceiling Side Wall	6-10-14 3-8-13	9-14-19 7-12-17	10-16-22 9-14-19	12-18-25 11-16-21	14-21-28 13-18-23	15-22-30 14-19-24	16-24-32 16-20-25
4"	Flow CFM / Ft.		30	46	61	76	91	106	122
	NC		----	20	28	33	38	42	46
	Throw (Ft)	Ceiling Side Wall	6-10-15 3-8-3	9-15-21 7-12-17	11-18-25 9-14-19	13-20-27 11-16-21	15-22-30 13-18-23	17-25-33 14-19-24	18-27-36 16-20-25
5"	Flow CFM / Ft.		40	61	81	101	121	142	162
	NC		----	21	29	34	39	43	47
	Throw (Ft)	Ceiling Side Wall	6-12-18 3-8-13	10-16-23 7-12-17	12-19-27 9-14-19	15-23-31 11-16-21	17-25-34 13-18-23	18-27-37 15-20-25	20-29-39 16-21-26
6"	Flow CFM / Ft.		52	79	105	131	157	183	210
	NC		----	22	30	35	40	44	48
	Throw (Ft)	Ceiling Side Wall	8-14-20 4-9-14	12-19-26 8-13-18	15-23-31 11-16-21	17-26-35 13-18-23	19-28-38 15-20-25	20-30-40 16-21-26	22-32-43 17-22-28
7"	Flow CFM / Ft.		67	100	133	167	200	234	267
	NC		----	23	31	36	41	45	49
	Throw (Ft)	Ceiling Side Wall	9-16-23 5-10-16	1-21-29 9-14-20	16-25-34 13-17-22	18-28-38 15-20-25	20-30-40 16-21-26	22-33-44 17-22-28	24-35-46 18-23-29
8"	Flow CFM / Ft.		90	135	180	225	265	315	355
	NC		----	24	32	37	42	46	50
	Throw (Ft)	Ceiling Side Wall	12-18-25 6-11-19	16-24-32 10-15-23	20-29-38 14-18-25	21-31-42 17-21-28	23-34-47 17-22-29	27-39-52 18-23-31	27-39-54 19-24-32
10"	Flow CFM / Ft.		115	170	230	290	350	410	460
	NC		----	25	33	38	43	47	51
	Throw (Ft)	Ceiling Side Wall	16-21-29 7-12-19	16-25-34 11-16-23	21-30-40 15-19-25	22-33-44 18-22-29	25-36-49 18-23-30	27-39-54 19-24-32	28-40-56 20-25-33
12"	Flow CFM / Ft.		160	235	315	400	470	550	690
	NC		16	27	35	40	45	49	53
	Throw (Ft)	Ceiling Side Wall	16-25-31 8-13-21	20-30-36 12-17-25	23-34-41 16-20-27	26-38-45 19-23-31	29-43-50 19-24-32	31-46-54 20-25-34	35-50-56 21-26-35

SL2 PERFORMANCE DATA									
6"	Flow CFM / Ft.		21	62	82	103	124	144	165
	NC		----	21	29	34	39	43	47
	Throw	Ceiling	5-9-14	8-13-18	10-15-21	12-18-24	13-20-27	14-21-28	16-23-31
7"	Flow CFM / Ft.		62	94	125	156	187	218	250
	NC		----	23	31	36	41	45	49
	Throw	Ceiling	5-10-16	8-14-21	10-17-25	12-20-28	14-22-31	15-24-34	14-26-36
8"	Flow CFM / Ft.		84	126	168	210	252	294	336
	NC		—	24	32	37	42	46	50
	Throw	Ceiling	6-12-18	9-16-24	12-19-27	15-23-31	17-25-34	18-28-38	19-29-40
10"	Flow CFM / Ft.		107	160	214	267	320	374	427
	NC		—	25	33	38	43	47	51
	Throw	Ceiling	6-13-20	11-18-25	14-22-30	17-25-33	18-27-37	10-30-41	21-32-44
12"	Flow CFM / Ft.		131	197	262	328	394	459	525
	NC		—	26	34	39	44	48	52
	Throw	Ceiling	7-14-22	12-19-27	15-23-32	18-27-36	19-29-40	20-31-43	21-33-46

Notes:

NC values were determined by subtracting 10 dB from the sound power level for room absorption.
 Throw data is presented for terminal velocities of 150, 100 and 50 ft./min.
 Throw values are given for Isothermal conditions.
 Laboratory tests were performed in accordance with ASHRAE Standard 70-1991.