

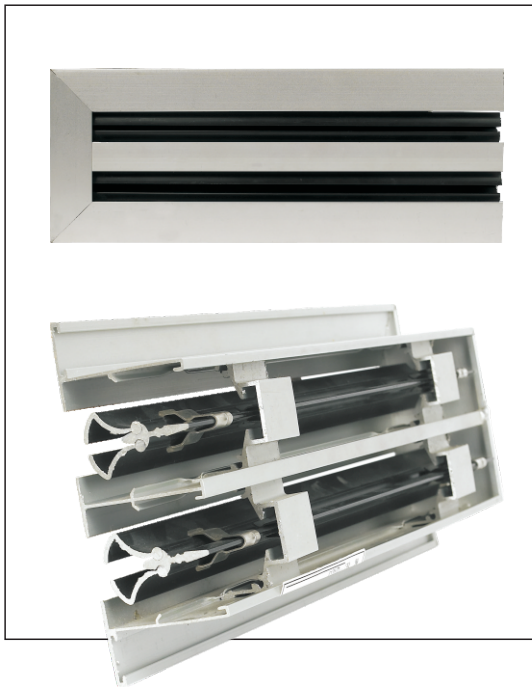


聯明坪山冷氣製品廠有限公司

LUEN MING PENGSHAN AIR CONDITIONING FACTORY LIMITED



LINEAR SLOT DIFFUSER



FEATURES

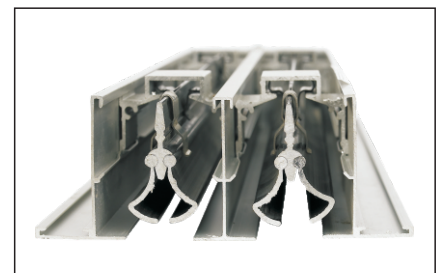
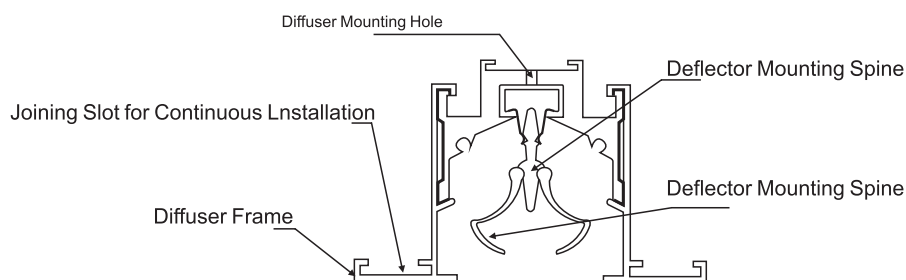
- ▶ Constructed from extruded aluminium section.
- ▶ Maximum 3000mm length in one modular section.
- ▶ Available with one to eight slots construction, standard slot width is 19mm.
- ▶ Vane design permits full 180° adjustable air pattern and complete flow rate control.
- ▶ Simple to install & maintenance.
- ▶ Superior performance with variable air volume system.

ACCESSORIES

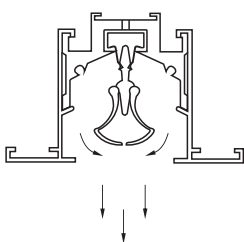
- ▶ Thermal insulated air plenum box with side entry spigot and the spigot fitted with a volume control damper are available on request.
- ▶ Blank off plate over in action area.
- ▶ Alignment strip for multi-segments connection of diffuser.
- ▶ All kind of corner fittings & sectional fittings.

DESCRIPTION

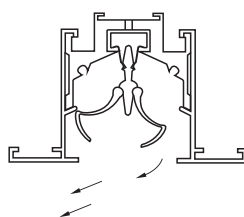
Linear Slot Diffusers are an elongated outlet consisting of a single or multiple number of slots. The diffusers are designed for installation in systems with constant and variable volume flows.



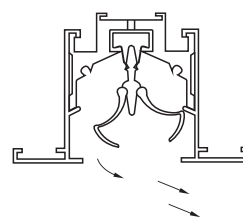
FLOW DIRECTIN COTROL



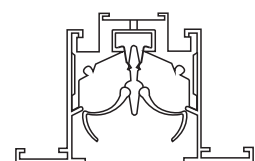
Vertical Discharge



Blowing Left



Blowing Right



Fully Closed



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ORDERING INFORMATION

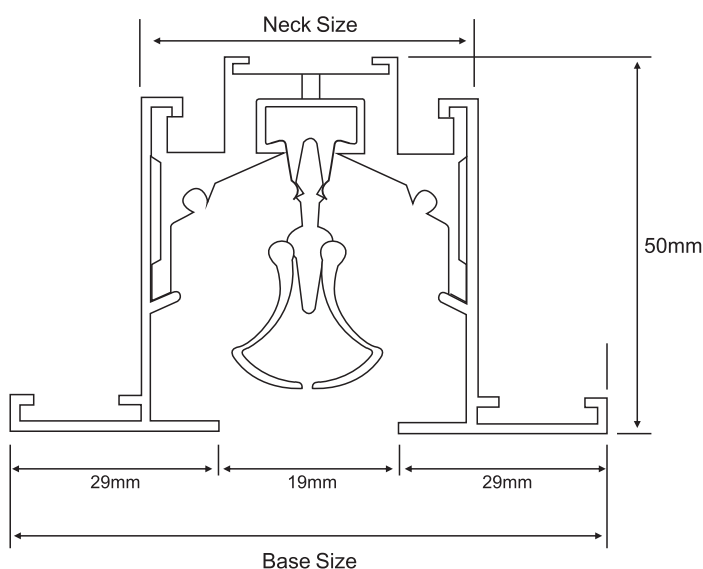
MODEL	SLOTS	STYLE	SIZE
LSD	1-8S	FF/FO/CC/CO/OO	LENGTH

- Linear Slot Diffuser
- Number of slots (1-8)
- End configuration (see configuration Options)

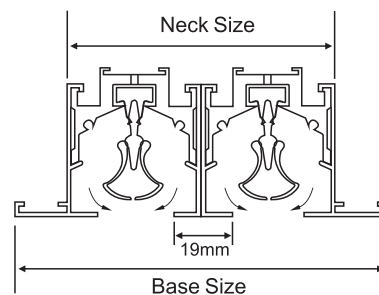
EXAMPLE: Model: **LSD-1S-00, 3000 (L)**
Aluminum Linear Slot Diffuser completed with one slot & both end open 3000mm in length.

TYPE & DIMENSIONS

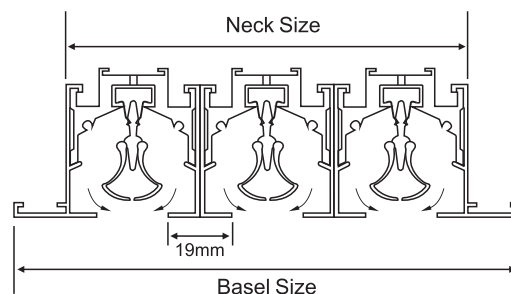
LSD-1



LSD-2



LSD-3



NUMBER OF SLOTS	1	2	3	4	5	6	7	8
BASE SIZE	77	119	157	195	233	271	309	347
NECK SIZE	39	91	129	167	205	243	281	319



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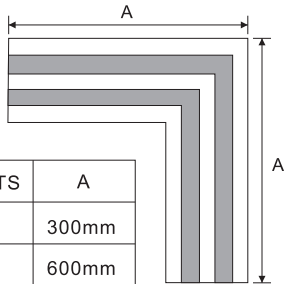
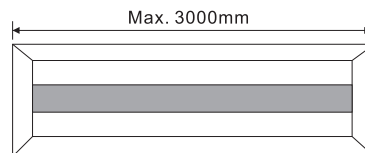


CONFIGURATION OPTIONS

	FF (Both End Flanged) FO (One End Flanged One End Open)
	CC (Both End Cap) CO (One End Cap One End Open)
	OO (Both End Open)

CORNER FITTINGS

NUMBER OF SLOTS	A
1 TO 5	300mm
6 TO 8	600mm

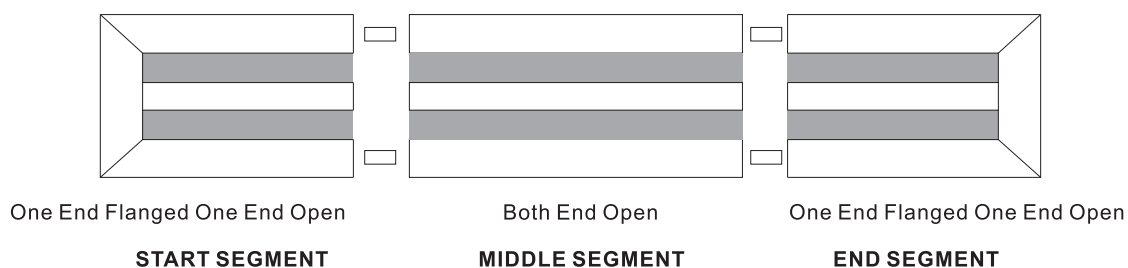
SINGLE SEGMENT

Maximum length of diffuser is 3000mm

SECTION FITTINGS

MUTI-SEGMENT

More than 3000mMutil-segment is required





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PERFORMANCE DATA

SUPPLY

SLOTS	TOTAL PRESS.Pa	H	1	4	8	15	23	32	45	57
		V	1	3	6	11	17	24	32	42
1	FLOW m ³ /s PER m		0.009	0.018	0.027	0.036	0.045	0.054	0.063	0.072
	THROW(m)	H	0.3-0.3-1	0.3-1-2.5	1-1.5-3	1.5-2.5-3.5	2.5-3-4.5	2.5-3-4.8	3-3.5-5	3.5-4-5.5
		V	0.5	1.5	3	3.5	4	4.5	4.8	5
	NC		-	-	-	20	25	30	35	40
2	FLOW m ³ /s PER m		0.018	0.036	0.054	0.072	0.090	0.108	0.126	0.144
	THROW(m)	H	0.3-0.3-1.5	10.5-1.5-3.5	1.5-3-3.5	2.5-3.5-5.5	3-4.5-6	3.5-4.5-6.5	4-5-7	14.5-5.5-7.5
		V	1	2.5	4	5	5.5	6	6.5	7
	NC		-	-	20	25	30	35	40	45
3	FLOW m ³ /s PER m		0.027	0.054	0.081	0.108	0.135	0.162	0.189	0.216
	THROW(m)	H	0.3-0.5-2.5	1-2-4.5	2-3.5-5.5	3-4.5-6.5	4-5-7.5	4.5-6-8	5-6-8.5	5.5-7-9
		V	1.5	3	5	6	6.5	7.5	8	9
	NC		-	-	20	30	35	40	45	50
4	FLOW m ³ /s PER m		0.036	0.072	0.108	0.144	0.180	0.216	0.252	0.288
	THROW(m)	H	0.3-1-3	1.5-3-5.5	3-4.5-6.5	13.5-5.5-7.5	4.5-6-8.5	5.5-6.5-9	6-7-9.5	6.5-7.5-10
		V	1.8	3.5	5.5	7	8	9	10	10.5
	NC		-	-	20	30	35	40	45	50
5	FLOW m ³ /s PER m		0.045	0.09	0.135	0.180	0.225	0.270	0.315	0.360
	THROW(m)	H	0.5-1-3	1.5-3-6	3-4.5-7	4.5-6-8.5	5-7-9	6-7.5-10	6.5-8-11	7-9-12
		V	2	4	6	8	9	9.5	10.5	11
	NC		-	-	20	30	35	40	45	50
6	FLOW m ³ /s PER m		0.054	0.108	0.162	0.216	0.270	0.324	0.378	0.432
	THROW(m)	H	0.5-1-3.5	2-3.5-6.5	3.5-5.5-8.5	4.5-6.5-9	5.5-7.5-10.50	6.5-8.5-11.5	7-9-12	8-9.5-12.5
		V	2.5	4.5	7	9	9.5	10.5	11.5	12.5
	NC		-	-	20	30	40	45	50	55
7	FLOW m ³ /s PER m		0.063	0.126	0.189	0.252	0.315	0.378	0.441	0.504
	THROW(m)	H	1-1.5-3.5	2.5-3.5-7	3.5-6-9	5-7-10	6-8-11	7-9-12	8-10-13	8.5-10.5-14
		V	2.5	4.5	7	9	10.5	11.5	12.5	13.5
	NC		-	-	25	35	40	45	50	55
8	FLOW m ³ /s PER m		0.072	0.144	0.216	0.288	0.360	0.432	0.504	0.576
	THROW(m)	H	1.5-2-4	3.5-4-8	4-6-9	5.5-8-10.5	7-9-12	7.5-9.5-13	8.5-10.5-14	9-11-15
		V	2.5	4.5	7	9.5	11	12	13	14
	NC		-	-	25	35	40	45	50	55

RETURN

SLOTS	NEG.S.P.	2	7	15	25	40	65	90	110
1	FLOW m ³ /s PER m	0.015	0.03	0.045	0.06	0.075	0.09	0.105	0.12
	NC	-	-	20	30	35	40	45	45
2	FLOW m ³ /s PER m	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24
	NC	-	-	25	30	35	40	45	50
3	FLOW m ³ /s PER m	0.045	0.09	0.135	0.18	0.225	0.24	0.315	0.36
	NC	-	-	25	35	40	45	50	50
4	FLOW m ³ /s PER m	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48
	NC	-	-	25	35	40	45	50	55
5	FLOW m ³ /s PER m	0.075	0.15	0.225	0.3	0.375	0.45	0.525	0.6
	NC	-	20	25	35	40	45	50	55
6	FLOW m ³ /s PER m	0.09	0.18	0.27	0.36	0.45	0.54	0.63	0.72
	NC	-	20	25	35	40	45	50	55
7	FLOW m ³ /s PER m	0.105	0.21	0.315	0.42	0.525	0.63	0.735	0.84
	NC	-	20	30	35	40	45	50	55
8	FLOW m ³ /s PER m	0.12	0.24	0.36	0.48	0.60	0.72	0.84	0.96
	NC	-	20	25	35	40	45	50	55