

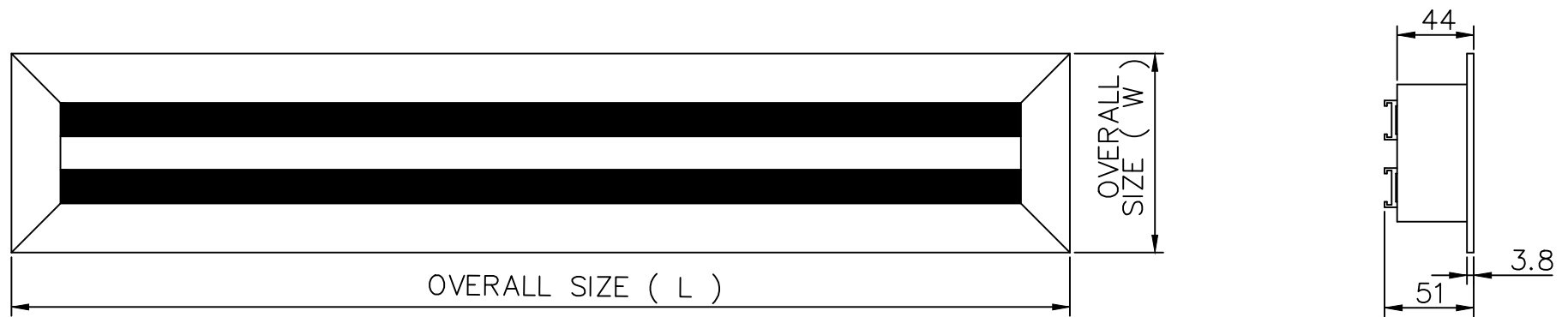
SECTION

	NO. SLOTS (19MM SLOT WIDTH)							
	1	2	3	4	5	6	7	8
CEILING OPENING SIZE	48	87	125	163	201	239	277	315
NECK SIZE	41	80	118	156	194	232	270	308
OVERALL SIZE	75	113	152	190	228	266	304	342

JANFORD 晉福風咀有限公司
JANFORD AIR FLOW CO. LTD.

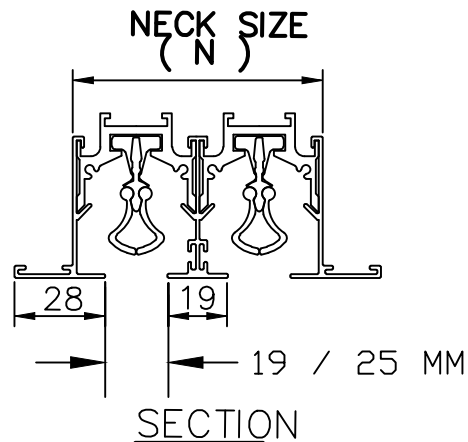
ALUMINIUM LINEAR SLOT DIFFUSER

MODEL	LSD	PROJECT			
SCALE	NIL	DRAWN BY	CHEONG	DATE	18/11/16



NO. SLOTS (19 MM SLOT WIDTH)								
	1	2	3	4	5	6	7	8
CEILING OPENING SIZE	48	87	125	163	201	239	277	315
NECK SIZE	41	80	118	156	194	232	270	308
OVERALL SIZE	75	113	152	190	228	266	304	342

NO. SLOTS (25MM SLOT WIDTH)								
	1	2	3	4	5	6	7	8
CEILING OPENING SIZE	54	99	143	187	231	275	319	363
NECK SIZE	47	92	136	180	224	268	312	356
OVERALL SIZE	81	125	170	214	258	302	346	390



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ALUMINIUM LINEAR SLOT DIFFUSER			
MODEL	LSE	PROJECT	
SCALE	NIL	DRAWN BY	cheong
		DATE	18/11/16

LINEAR SLOT DIFFUSERS
Series LSD - Supply Air

1 Slot A_K 0.009

Air Volume (L/s / Meter)	39	47	55	63
Total Pressure (Pa)	27	39	52	68
Throw (M)	0.9-1.8	1.2-2.1	3-4	3-4.3
<u>Unit Length</u>				
1200mm	20	24	26	30
1800mm	23	27	28	32
2400mm	27	30	31	34
3000mm	30	33	35	37

2 Slot A_K 0.0151

Air Volume (L/s / Meter)	55	71	87	102	118
Total Pressure (Pa)	19	25	42	52	72
Throw (M)	1.8-4.3	3-4.3	3-4.9	3.4-4.9	3.9-5.5
<u>Unit Length</u>					
1200mm	19	24	31	35	38
1800mm	21	26	33	37	40
2400mm	22	27	34	38	41
3000mm	24	29	36	40	43

3 Slot A_K 0.0198

Air Volume (L/s / Meter)	79	102	126	149	173
Total Pressure (Pa)	16	25	37	47	77
Throw (M)	3-4.3	3.4-4.6	3.7-5.2	4-5.8	4-5.9
<u>Unit Length</u>					
1200mm	17	23	29	33	42
1800mm	19	25	31	35	44
2400mm	20	26	32	36	45
3000mm	22	28	34	38	47

4 Slot A_K 0.0256

Air Volume (L/s / Meter)	118	142	157	197	236
Total Pressure (Pa)	16	22	29	45	65
Throw (M)	3.7-4.9	3.7-5.2	4-5.5	4.3-6.1	4.6-6.4
<u>Unit Length</u>					
1200mm	16	22	27	33	38
1800mm	18	24	29	35	40
2400mm	19	25	30	36	41
3000mm	21	27	32	38	43

Note : Data based on the actual testing of the 1200mm Long units.
The Noise Criteria Ratings are based on a 10dB room Attenuation.
Throw (T) base on V_T 0.5-0.25 m/s
A_K - Square Meter Per Meter of Length

LINEAR SLOT DIFFUSERS
Series LSD - Return Air
(Without Deflector Vane)

1 Slot

	Air Volume (L/s / Meter)	47	63	79	94	110
	Negative Static Pressure (-Pa)	16	27	42	62	86
<u>Unit Length</u>						
1200mm	Noise Criteria (NC)	18	26	32	37	41
1800mm		20	28	34	39	43
2400mm		23	30	36	41	45
3000mm		25	32	38	43	47

2 Slot

	Air Volume (L/s / Meter)	118	157	197	236	275
	Negative Static Pressure (-Pa)	11	20	25	44	60
<u>Unit Length</u>						
1200mm	Noise Criteria (NC)	18	31	35	39	43
1800mm		20	33	37	41	45
2400mm		21	34	38	42	46
3000mm		23	36	40	44	48

3 Slot

	Air Volume (L/s / Meter)	157	197	236	275	315	354
	Negative Static Pressure (-Pa)	8	13	18	26	34	44
<u>Unit Length</u>							
1200mm	Noise Criteria (NC)	24	25	35	36	38	40
1800mm		26	27	37	38	40	42
2400mm		27	28	38	39	41	43
3000mm		29	30	40	41	43	45

4 Slot

	Air Volume (L/s / Meter)	197	236	275	315	354	393
	Negative Static Pressure (-Pa)	7	10	15	20	25	31
<u>Unit Length</u>							
1200mm	Noise Criteria (NC)	19	24	32	35	37	38
1800mm		21	26	34	37	39	40
2400mm		22	27	35	38	40	41
3000mm		24	29	37	40	42	43

Note : Data based on the actual testing of the 1200mm Long units.
The Noise Criteria Ratings are based on a 10dB room Attenuation.

LINEAR SLOT DIFFUSERS
Series LSE - Supply Air (19mm slot width)

1 Slot A_K 0.009

	Air Volume (L/s / Meter)	39	47	55	63
	Total Pressure (Pa)	35	50	68	88
	Throw (M)	2.1-3.3	2.7-4	3-4.3	3-4.6
<u>Unit Length</u>					
	1200mm	22	27	32	36
	1800mm	24	29	33	38
	2400mm	26	31	35	40
	3000mm	28	33	37	42

2 Slot A_K 0.0117

	Air Volume (L/s / Meter)	55	71	87	102	118
	Total Pressure (Pa)	15	24	33	41	62
	Throw (M)	1.2-4.3	3-5.5	4.8-6.7	4.8-6.8	4.9-6.9
<u>Unit Length</u>						
	1200mm	15	22	27	31	34
	1800mm	17	24	29	33	36
	2400mm	18	25	30	34	37
	3000mm	20	27	32	36	39

3 Slot A_K 0.0187

	Air Volume (L/s / Meter)	79	102	126	149	173
	Total Pressure (Pa)	14	28	45	59	75
	Throw (M)	1.5-5.1	3.3-5.7	3.7-6	3.9-6.1	4.1-6.3
<u>Unit Length</u>						
	1200mm	18	25	30	34	37
	1800mm	20	27	32	36	39
	2400mm	21	28	33	37	40
	3000mm	23	30	35	39	42

4 Slot A_K 0.0246

	Air Volume (L/s / Meter)	79	118	157	197	236
	Total Pressure (Pa)	9	21	36	55	81
	Throw (M)	3.7-6.7	3.7-6.7	4-6.9	4.3-7	4.6-7.2
<u>Unit Length</u>						
	1200mm	14	24	31	36	42
	1800mm	16	26	33	38	44
	2400mm	17	27	34	39	45
	3000mm	19	29	36	41	47

Note : Data based on the actual testing of the 1200mm Long units.
The Noise Criteria Ratings are based on a 10dB room Attenuation.
Throw (T) base on V_T 0.5-0.25 m/s
A_k - Square Meter Per Meter of Length

LINEAR SLOT DIFFUSERS
Series LSE - Return Air (19mm slot width)
(Without Deflector Vane)

1 Slot

	Air Volume (L/s / Meter)	55	71	78
	Negative Static Pressure (-Pa)	37	52	65
<u>Unit Length</u>				
1200mm		37	42	47
1800mm	Noise Criteria (NC)	39	44	49
2400mm		21	46	51
3000mm		23	48	>51

2 Slot

	Air Volume (L/s / Meter)	118	157	197	236	275
	Negative Static Pressure (-Pa)	10	21	34	49	66
<u>Unit Length</u>						
1200mm		16	24	29	35	39
1800mm	Noise Criteria (NC)	18	26	32	37	41
2400mm		19	27	33	38	42
3000mm		21	29	35	40	44

3 Slot

	Air Volume (L/s / Meter)	197	236	275	315	354	393
	Negative Static Pressure (-Pa)	14	20	29	38	47	57
<u>Unit Length</u>							
1200mm		16	22	28	31	34	37
1800mm	Noise Criteria (NC)	18	24	30	33	36	39
2400mm		19	25	31	34	37	40
3000mm		21	27	33	35	39	42

4 Slot

	Air Volume (L/s / Meter)	275	315	354	393	433	472
	Negative Static Pressure (-Pa)	15	20	26	33	40	49
<u>Unit Length</u>							
1200mm		20	28	31	33	35	37
1800mm	Noise Criteria (NC)	22	30	33	35	37	39
2400mm		23	31	34	36	38	40
3000mm		25	33	36	38	40	42

Note : Data based on the actual testing of the 1200mm Long units.
The Noise Criteria Ratings are based on a 10dB room Attenuation.

LINEAR SLOT DIFFUSERS
Series LSE - Supply Air (25mm slot width)

1 Slot A_K 0.0114

	Air Volume (L/s / Meter)	39	47	55	63
	Total Pressure (Pa)	27	38	52	68
	Throw (M)	1.8-3.3	2.4-3.6	3-4	3-4.2
<u>Unit Length</u>					
	1200mm	16	22	26	30
	1800mm	18	23	27	32
	2400mm	20	24	28	34
	3000mm	22	25	29	36

2 Slot A_K 0.015

	Air Volume (L/s / Meter)	63	78	93	108	121	133
	Total Pressure (Pa)	13	20	28	36	45	54
	Throw (M)	1.8-3	2.4-4	3.4-5	4.5-6	5.2-7	5.9->7
<u>Unit Length</u>							
	1200mm	<15	25	29	33	36	38
	1800mm	22	26	30	34	37	39
	2400mm	24	28	32	36	38	42
	3000mm	25	29	33	37	40	45

3 Slot A_K 0.025

	Air Volume (L/s / Meter)	74	87	110	134	146	157
	Total Pressure (Pa)	12	15	25	36	43	50
	Throw (M)	2.1-3.6	2.4-4.2	3.3-4.6	3.7-5.1	3.6-5.5	3.9-5.5
<u>Unit Length</u>							
	1200mm		23	30	35	38	41
	1800mm	<15	<15	27	33	35	39
	2400mm	<15	18	29	35	36	40
	3000mm	<15	20	30	36	38	41

4 Slot A_K 0.0325

	Air Volume (L/s / Meter)	94	110	126	142	157	188
	Total Pressure (Pa)	9	13	16	20	25	36
	Throw (M)	2.4-4.3	2.7-4.6	3.3-4.8	3.6-5.1	3.7-5.5	4-5.8
<u>Unit Length</u>							
	1200mm	15	16	21	25	28	34
	1800mm	17	17	23	26	29	36
	2400mm	18	18	24	28	30	37
	3000mm	20	19	26	30	31	38

Note : Data based on 1200mm Long units.
 The Noise Criteria Ratings are based on a 10dB room Attenuation.
 Throw (T) base on V_T 0.5-0.25 m/s
 A_K - Square Meter Per Meter of Length

LINEAR SLOT DIFFUSERS
Series LSE - Return Air (25mm slot width)
(Without Deflector Vane)

1 Slot

Air Volume (L/s / Meter)	55	71	78
Negative Static Pressure (-Pa)	31	44	55
<u>Unit Length</u>			
1200mm	33	40	45
1800mm	34	42	47
2400mm	36	43	48
3000mm	37	45	49

2 Slot

Air Volume (L/s / Meter)	118	157	197	236	275
Negative Static Pressure (-Pa)	9	18	29	42	56
<u>Unit Length</u>					
1200mm	14	22	27	33	37
1800mm	16	23	28	35	38
2400mm	17	25	29	36	40
3000mm	19	27	31	38	41

3 Slot

Air Volume (L/s / Meter)	197	236	275	315	354	393
Negative Static Pressure (-Pa)	12	17	25	32	40	48
<u>Unit Length</u>						
1200mm	14	20	26	29	32	35
1800mm	15	22	28	30	33	36
2400mm	17	23	29	31	35	37
3000mm	19	25	30	33	37	39

4 Slot

Air Volume (L/s / Meter)	275	315	354	393	433	472
Negative Static Pressure (-Pa)	13	17	22	28	34	42
<u>Unit Length</u>						
1200mm	18	26	30	31	33	35
1800mm	20	28	32	33	35	37
2400mm	21	30	34	34	36	39
3000mm	23	32	36	36	38	40

Note : Data based on 1200mm Long units.
The Noise Criteria Ratings are based on a 10dB room Attenuation.