

LDA Linear diffuser ceiling tiles . Supply :

Central panal ceiling tile . cutting dimension

No .of slots	Slot Width	
	¾''	1''
1	19 7/8×19 7/8	19 3/8×19 3/8
2	16 7/8×16 7/8	15 7/8×15 7/8
3	13 7/8×13 7/8	12 7/8×12 7/8
4	10 7/8×10 7/8	8 7/8×8 7/8

Available inlet Sizes
8''
10''
12''
14''

LDAR Linear diffuser ceiling tiles . Return :

Central panal ceiling tile . cutting dimension

No .of slots	Slot Width	
	¾''	1''
	19 7/8×19 7/8	19 3/8×19 3/8
	16 7/8×16 7/8	15 7/8×15 7/8
	13 7/8×13 7/8	12 7/8×12 7/8
	10 7/8×10 7/8	8 7/8×8 7/8

Linear diffuser ceiling tiles performance Data :

Model: LDA .Slot¾'' Supply

Neck Velocity	300	400	500	600	700	800	900	100	1100
Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062	0.075

1 Slot	8'' Dia	Airflow, cfm	105	140	175	209	244	279	314	349	348
		Total pressure	0.047	0.084	0.131	0.188	0.257	0.335	0.424	0.542	0.633
		NC (noise criteria)	19	25	30	34	37	40	43	45	47
		Throw	4 - 6 - 12	5 - 8 - 16	7 - 10 - 20	8 - 12 - 24	9 - 14 - 28	11 - 16 - 32	12 - 18 - 35	13 - 20 - 37	15 - 22 - 39

1 Slot	8'' Dia	Airflow, cfm	105	140	175	209	244	279	314	349	348
		Total pressure	0.018	0.032	0.049	0.071	0.097	0.126	0.160	0.197	0.238
		NC (noise criteria)	-	14	19	23	27	29	32	34	36
		Throw	2 - 4 - 9	3 - 6 - 12	5 - 7 - 15	6 - 9 - 18	7 - 10 - 21	8 - 12 - 24	9 - 13 - 26	10 - 15 - 29	11 - 16 - 32

1 Slot	8'' Dia	Airflow, cfm	164	218	273	327	382	436	491	545	600
		Total pressure	0.035	0.063	0.098	0.0141	0.192	0.250	0.317	0.391	0.474
		NC (noise criteria)	16	22	27	31	34	37	40	42	44
		Throw	4 - 7 - 14	6 - 9 - 18	8 - 11 - 23	9 - 14 - 28	11 - 16 - 32	12 - 18 - 37	14 - 21 - 41	15 - 23 - 46	17 - 25 - 48

1 Slot	8'' Dia	Airflow, cfm	105	140	175	209	244	279	314	349	348
		Total pressure	0.011	0.019	0.030	0.043	0.058	0.076	0.096	0.118	0.143
		NC (noise criteria)	-	15	20	24	27	30	33	35	37
		Throw	1 - 2 - 7	2 - 4 - 10	3 - 6 - 12	4 - 7 - 15	6 - 9 - 17	7 - 10 - 20	7 - 11 - 22	8 - 12 - 25	9 - 14 - 72

1 Slot	8'' Dia	Airflow, cfm	164	218	273	327	382	436	491	545	600
		Total pressure	0.018	0.032	0.050	0.071	0.097	0.127	0.161	0.198	0.240
		NC (noise criteria)	17	23	28	32	35	38	40	43	45
		Throw	3 - 6 - 12	5 - 8 - 16	7 - 10 - 20	8 - 12 - 23	9 - 14 - 27	10 - 16 - 31	12 - 18 - 35	13 - 20 - 39	14 - 21 - 43

1 Slot	8'' Dia	Airflow, cfm	236	314	393	471	550	628	707	785	864
		Total pressure	0.031	0.055	0.086	0.124	0.169	0.221	0.279	0.345	0.417
		NC (noise criteria)	23	29	34	38	41	44	47	49	51
		Throw	5 - 8 - 17	7 - 11 - 22	9 - 14 - 28	11 - 17 - 34	13 - 20 - 39	15 - 22 - 45	17 - 29 - 51	19 - 28 - 55	21 - 31 - 58

1 Slot	8'' Dia	Airflow, cfm	105	140	175	209	244	279	314	349	348
		Total pressure	0.009	0.016	0.025	0.036	0.049	0.064	0.081	0.100	0.121
		NC (noice criteria)	-	12	17	21	24	27	29	32	34
		Throw	1- 2 -7	1- 3 -9	2- 5 -11	3- 7 -14	4- 8 -16	6- 9 -18	7- 10 -20	8- 11 -23	8- 12 -25

1 Slot	8'' Dia	Airflow, cfm	164	218	273	327	382	436	491	545	600
		Total pressure	0.014	0.025	0.038	0.055	0.075	0.098	.0125	0.154	0.186
		NC (noice criteria)	13	20	24	28	32	35	37	39	41
		Throw	2- 4 -11	3- 7 -14	5- 9- 18	7- 11- 21	8-12- 25	9-14 -28	11 -16 -32	12-18 -35	13- 19 -39

1 Slot	8'' Dia	Airflow, cfm	236	314	393	471	550	628	707	785	864
		Total pressure	0.023	0.040	0.063	0.091	0. 124	0. 161	0. 204	0.252	0.305
		NC (noice criteria)	20	26	31	35	38	41	43	46	48
		Throw	4- 8 -15	7- 10 -20	8- 13 -25	10- 15 -31	12- 18 -36	14 -20 -41	15 -23 -46	17- 25 -51	19- 28 -56

1 Slot	8'' Dia	Airflow, cfm	312	428	535	641	748	855	962	1069	1176
		Total pressure	0.037	0.066	0.103	0.149	0.203	0.265	0.355	0.414	0.501
		NC (noice criteria)	25	31	36	40	43	46	49	51	53
		Throw	7- 10 -21	9- 14- 28	12- 17 -35	14- 21 -42	16- 24 -49	18- 28 -55	21- 31 -61	32- 35 -65	25- 38- 68

Model: LDA .Slot1'' Supply:

1 Slot	8'' Dia	Airflow, cfm	105	140	175	209	244	279	314	349	348
		Total pressure	0.014	0.025	0.039	0.056	0.076	0.100	0.126	0.155	0.188
		NC (noice criteria)	-	-	16	20	23	26	28	30	33
		Throw	1-3-8	2-5-10	3-6-13	5-8-15	6-9-18	7-10-21	8-12-32	9-13-26	9-14-28

1 Slot	8'' Dia	Airflow, cfm	164	218	273	327	382	436	491	545	600
		Total pressure	0.026	0.046	0.072	0.104	0.142	0.185	0.235	0.290	0.351
		NC (noice criteria)	12	19	23	27	31	33	36	38	40
		Throw	3-6-12	5-8-16	7-10-20	8-12-24	9-14-28	11-16-32	12-18-36	13-20-40	15-22-44

1 Slot	8'' Dia	Airflow, cfm	105	140	175	209	244	279	314	349	348
		Total pressure	0.009	0.016	0.026	0.037	0.051	0.066	0.083	0.103	0.125
		NC (noice criteria)	-	12	17	21	24	27	30	32	34
		Throw	1- 2 -7	1- 3 -9	2- 5 -11	3- 7 -13	4- 8 -16	6- 9 -18	7- 10 -20	7- 11 -23	8- 12 -24

1 Slot	8'' Dia	Airflow, cfm	164	218	273	327	382	436	491	545	600
		Total pressure	0.015	0.026	0.040	0.058	0.079	0.104	0.131	0.160	0.196
		NC (noice criteria)	14	20	25	29	32	35	37	40	42
		Throw	2- 4 -10	3- 7 -14	5- 9- 17	7- 10- 21	8-12- 24	9-14 -28	10-16 -31	12-17 -35	13- 19 -38

1 Slot	8'' Dia	Airflow, cfm	236	314	393	471	550	628	707	785	864
		Total pressure	0.024	0.043	0.067	0.097	0.132	0.172	0.218	0.269	0.325
		NC (noice criteria)	20	26	31	35	38	41	44	46	48
		Throw	4- 8 -15	7- 10 -20	8- 13 -25	10- 15 -30	12- 18 -35	13- 20 -41	15 -23 -45	17- 25 -50	18- 28 -55

1 Slot	8'' Dia	Airflow, cfm	105	140	175	209	244	279	314	349	348
		Total pressure	0.008	0.015	0.023	0.033	0.045	0.058	0.074	0.90	0.110
		NC (noice criteria)	-	-	14	18	21	24	26	29	31
		Throw	1- 1 -5	1-2-6	2-4-10	2-5-12	3-7-14	4-8-16	5-9-18	6-10-20	7-11-22

1 Slot	8'' Dia	Airflow, cfm	164	218	273	327	382	436	491	545	600
		Total pressure	0.012	0.021	0.033	0.048	0.065	0.085	.0107	0.132	0.160
		NC (noice criteria)	-	17	22	26	29	32	34	36	39
		Throw	1-3-10	2-6-13	4-8-16	6-10-19	7-11-22	8-13-25	10-14-29	11-16-32	12-18-35

1 Slot	8'' Dia	Airflow, cfm	236	314	393	471	550	628	707	785	864
		Total pressure	0.019	0.033	0.052	0.075	0.102	0.133	0.168	0.208	0.251
		NC (noice criteria)	17	23	28	32	35	38	41	42	45
		Throw	3-7-14	5-9-18	8-11-23	9-14-28	11-16-32	12-18-37	14-21-41	15-32-46	17-25-50

1 Slot	8'' Dia	Airflow, cfm	312	428	535	641	748	855	962	1069	1176
		Total pressure	0.030	0.053	0.083	0.119	0.163	0.212	0.269	0.332	0.401
		NC (noice criteria)	22	28	33	37	41	43	46	48	50
		Throw	5-9-19	8-12-25	10-16-31	12-19-37	15-22-44	17-25-50	19-28-56	21-31-62	23-34-68

Model: LDAR. Return with Light Shield

¾” Wide Slot :

Size	Pressure	0.007	0.028	0.063	0.108	0.17	0.25	0.345	0.45
1 slot	Airflow, cfm	75	150	225	300	375	450	525	600
	NC (noise criteria)	-	-	16	24	30	35	39	43
2 slot	Airflow, cfm	145	290	435	580	725	870	1015	1160
	NC (noise criteria)	-	12	20	28	34	39	43	47
3 slot	Airflow, cfm	210	420	630	840	1050	1260	1470	1680
	NC (noise criteria)	-	15	21	29	35	40	44	48
4 slot	Airflow, cfm	270	540	810	1080	1350	1620	1890	2160
	NC (noise criteria)	-	17	22	30	36	40	45	49

1” Wide Slot :

Size	Pressure	0.018	0.04	0.07	0.108	0.16	0.215	0.28	0.45
1 slot	Airflow, cfm	147	220	293	367	440	513	586	733
	NC (noise criteria)	-	-	17	23	28	32	36	42
2 slot	Airflow, cfm	280	420	560	700	840	980	1120	1400
	NC (noise criteria)	-	16	24	30	35	39	43	49
3 slot	Airflow, cfm	400	600	800	1000	1200	1400	1600	2000
	NC (noise criteria)	-	19	27	33	38	42	46	52
4 slot	Airflow, cfm	507	760	1013	1267	1520	1773	2026	2533
	NC (noise criteria)	-	21	29	35	40	44	48	54