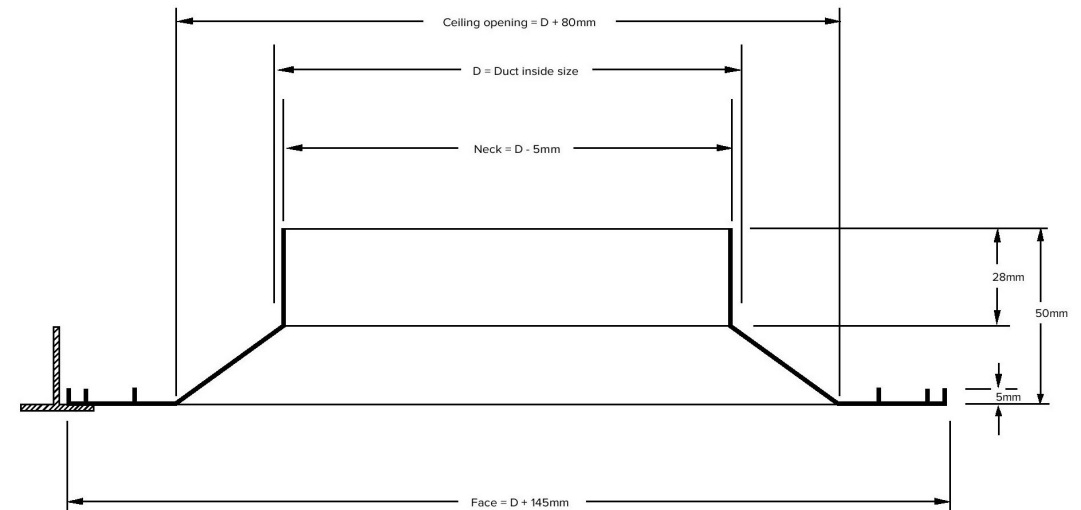


## Louvre Face Diffuser (LD)

Cooltech Industries Louvre Face Diffuser (LD) is an attractive flush framed style diffuser that is typically used in T-bar type ceilings applications. The flush frame allows for the diffuser to lay in to the ceiling grid this allowing for a seamless appearance between ceiling & diffuser. The LD type diffuser is available in a number of blow configurations including 4 way, 3 way, 2 way opposite, 2 way corner & 1 way which makes the LD type diffuser extremely versatile and allows its use in a variety of applications including office, hospital & shopping centre applications whereby even distribution of airflow is critical.

The LD type diffuser is also available to supply in conjunction with a plasterboard mounting frame for installation in solid gyprock where a flush mounted look is required.

Standard finish is white powdercoat however other standard powdercoat finishes are available upon request.



APPROX. N/C RATINGS				20		25		30		35		45					
FACE	NECK	NECK VELOCITY M/SEC		1.75	2	2.5	3	3.5	4	4.5	5	6	7	8	9	10	
		VELOCITY	PRESSURE Pa	1.5	2.5	4.0	5.5	7.75	10	12.5	15.5	22.5	30	40	50	60	
300 X 300	150	Radius Diffusion M	min		1.1	1.2	1.5	1.7	1.8	2.1	2.3	2.3	3	3.4	4	4.3	
			max		1.4	1.7	2	2.3	2.4	2.7	3	3.6	4	4.6	5.2	5.5	
		Total Pressure Pa (SP+VP)		4	7	11	15	21	27	33	42	60	83	104	130	157	
	Noise Level d.b.a				25	26	27	28.5	29	30	35	41	47	51	54		
	200	Radius Diffusion M	min		1	1.2	1.4	1.7	1.8	2.1	2.4	2.6	3	3.7	4	4.6	4.9
			max		1.4	1.8	2.3	2.7	3	3.5	3.7	4.3	5.2	5.8	6.7	7.3	8.2
Total Pressure Pa (SP+VP)			4	6	10	14	20	27	33	40	57	80	102	124	152		
Noise Level d.b.a			25	26	27	29	30	33	35	40	45	49	52	55			
450 X 450	200	Radius Diffusion M	min		1	1.2	1.2	1.5	1.7	1.8	2.1	2.3	2.7	3.3	3.5	4	4.3
			max		1.2	1.7	2.1	2.4	2.7	3.2	3.3	3.8	4.6	5.2	6.1	6.4	7.3
		Total Pressure Pa (SP+VP)		4	6	9	14	20	24	26	35	48	60	82	97	117	
	Noise Level d.b.a			24	25	26.5	28	29	31	32	36	41	46	48	50		
	250	Radius Diffusion M	min		1.1	1.5	1.8	2.1	2.4	2.7	3	3.4	3.8	4.3	4.8	5	6.1
			max		1.5	2.1	2.6	3	3.5	4	4.4	4.9	5.6	6.4	7.3	8.2	8.8
		Total Pressure Pa (SP+VP)		4	6	8	11	17	20	25	30	42	57	77	92	112	
	Noise Level d.b.a			24	25	27	29	30	32	33	38	43	47	50	52		
	300	Radius Diffusion M	min		1.4	1.7	2.1	2.6	2.9	3.3	3.7	4	4.9	5.5	6.4	7	7.6
			max		1.8	2.3	2.9	3.4	4	4.4	4.9	5.5	6.4	7.3	8.5	9.1	10.7
		Total Pressure Pa (SP+VP)		4	5	7	10	14	17	22	30	38	55	75	90	112	
	Noise Level d.b.a		24	25	26	27.5	29.5	31	34.5	36	39	44	48	52	54		
350	Radius Diffusion M	min		1.2	1.5	2	2.3	2.7	3	3.3	3.7	4.3	4.9	5.8	6.4	7	
		max		2.1	2.7	3.5	4	4.9	5.5	6.1	7	8.2	9.8	11.3	12.5	14	
	Total Pressure Pa (SP+VP)		4	6	9	13	18	22	28	35	51	67	85	104	127		
Noise Level d.b.a		25	25.5	27	28	30.5	31.5	35.5	37.5	42	47	50	54	57			
600 X 600	300	Radius Diffusion M	min		1.4	1.5	1.9	2.4	2.7	3	3.3	3.7	4.6	5.2	5.8	6.4	7
			max		1.8	2.1	2.8	3	3.7	4	4.3	5	5.8	6.7	7.6	8.2	9.8
		Total Pressure Pa (SP+VP)		3	6	8	12	16	20	24	32	45	59	75	92	112	
	Noise Level d.b.a			23	24	25	27	30	31	32	36	41	46	50	56		
	350	Radius Diffusion M	min		1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	4	4.6	5.2	5.9	6.4
			max		2.1	2.7	3.3	4	4.6	5.2	5.8	6.7	7.6	9.1	10.7	11.6	13.1
		Total Pressure Pa (SP+VP)		3	5	8	12	15	19	23	32	44	57	75	92	112	
	Noise Level d.b.a			24	25	25.5	27.5	30.5	32	34	37.5	44	49	53	58		
	400	Radius Diffusion M	min		1.5	2	2.4	2.9	3.3	3.7	4.1	4.6	5.5	6.1	7	7.9	8.5
			max		2.4	3	4	4.9	5.6	6.4	7	7.9	10	11	12.8	14.3	15.9
		Total Pressure Pa (SP+VP)		3	5	7	14	15	18	22	30	42	57	75	90	112	
	Noise Level d.b.a		25	26	27.5	28.5	29	32	35	37	41	47	52	53	59		
450	Radius Diffusion M	min		2	2.4	3	3.7	4.3	4.6	5.3	5.8	7	8	9.1	10.4	11.3	
		max		2.7	3.7	4.6	5.5	6.1	7	8	8.8	10.4	12.2	14	15.8	17.4	
	Total Pressure Pa (SP+VP)		2	5	7	14	15	18	22	30	42	57	75	90	112		
Noise Level d.b.a		25	26.5	28	29	29.5	32.5	36	38.5	42	48	52.5	54	59.5			