

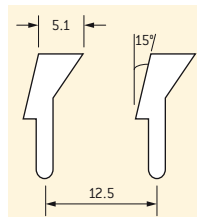
LDH – Selection Data

Model: **LDH-1215/LDHF-1215**

15° deflection

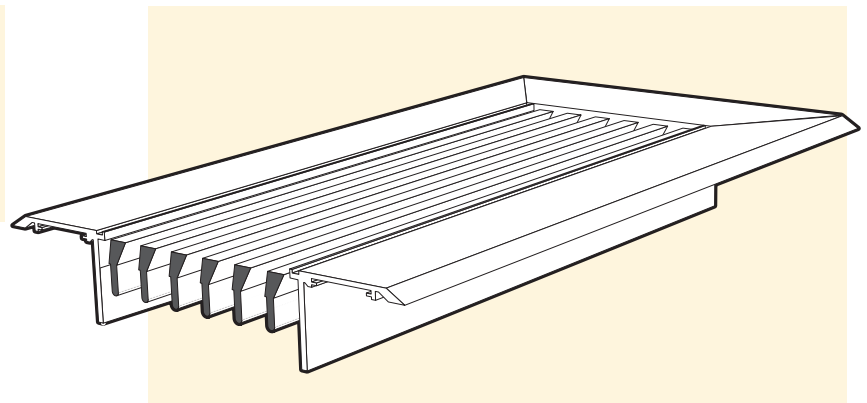
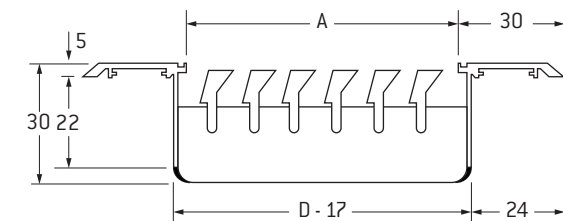
12.5mm spacing

5.1mm louver



Dimensions

D	A	Number of Bars
Listed Size	Opening	
50.0	21.0	2
62.5	33.5	3
75.0	46.0	4
87.5	58.5	5
100.0	71.0	6
125.0	96.0	8
150.0	121.0	10



Same basic design as Model LDH-1200 except that louvers are fixed at 15° deflection. Louvers are spaced on 12.5 centres. Furnished in all standard widths as shown below.

Floor Application

Where required for floor use, specify LDHF-1215 to signify heavier construction.

LDHF-1215 grilles have double mullions and frame style 4 solid surround.

Continuous traffic maximum width 200mm.

Occasional traffic maximum width 300mm.

Size & Area m ² /m	Total Pressure	3	7	12	19	27	37	48	61	75
50mm	Flow m ³ /s/m	0.029	0.045	0.059	0.074	0.090	0.104	0.119	0.133	0.149
	NC	-	-	19	26	31	36	40	43	46
	Throw, m	Sill or Floor Side Wall	0.3-0.3 0.9-2.1	1.2-1.2 1.5-3.7	2.1-2.1 2.1-4.9	2.7-3.0 2.7-6.1	3.4-4.0 3.4-7.0	3.7-4.6 3.7-7.6	4.3-5.5 4.3-8.5	4.9-6.1 4.9-9.5
62.5mm	Flow m ³ /s/m	0.042	0.062	0.084	0.104	0.124	0.146	0.166	0.186	0.208
	NC	-	-	19	26	31	36	40	43	46
	Throw, m	Sill or Floor Side Wall	0.3-0.3 1.2-2.4	1.5-1.5 1.8-4.0	2.7-2.7 2.7-5.2	3.4-3.7 3.4-6.4	4.0-4.6 4.0-7.3	4.6-5.5 4.6-8.2	5.2-6.4 5.2-9.5	6.1-6.7 6.1-10.4
75mm	Flow m ³ /s/m	0.053	0.085	0.107	0.133	0.160	0.186	0.214	0.240	0.267
	NC	-	-	19	26	31	36	40	43	46
	Throw, m	Sill or Floor Side Wall	0.6-0.6 1.2-2.7	1.8-1.8 2.1-4.3	3.0-3.4 3.0-5.5	3.7-4.3 3.7-6.7	4.6-5.5 4.6-7.9	5.5-6.1 5.5-9.2	6.1-7.0 6.1-10.1	7.0-7.6 7.0-11.3
87.5mm	Flow m ³ /s/m	0.065	0.098	0.130	0.163	0.195	0.228	0.260	0.293	0.326
	NC	-	-	20	27	32	37	41	44	47
	Throw, m	Sill or Floor Side Wall	0.6-0.6 1.5-3.0	2.4-2.4 2.4-4.6	3.4-3.7 3.4-6.1	4.6-4.6 4.6-7.3	5.2-5.8 5.2-8.5	6.4-6.7 6.4-10.0	6.7-7.6 7.6-11.9	8.5-8.8 8.5-13.1
100mm	Flow m ³ /s/m	0.079	0.118	0.158	0.197	0.236	0.276	0.315	0.353	0.394
	NC	-	-	21	28	33	38	42	45	48
	Throw, m	Sill or Floor Side Wall	0.9-0.9 1.8-3.4	2.7-2.7 3.0-5.2	4.0-4.0 4.0-6.4	4.9-5.2 4.9-7.6	5.8-6.4 5.8-8.8	6.7-7.0 6.7-10.1	7.3-7.9 7.3-11.3	8.2-8.2 8.2-12.5
125mm	Flow m ³ /s/m	0.104	0.155	0.208	0.259	0.310	0.363	0.414	0.467	0.518
	NC	-	-	21	28	33	38	42	45	48
	Throw, m	Sill or Floor Side Wall	1.2-1.2 2.4-4.0	3.0-3.0 3.4-5.5	4.3-4.3 4.3-7.0	5.5-5.5 5.5-8.2	6.4-6.7 6.4-9.5	7.3-7.6 7.3-10.7	7.9-8.5 7.9-11.9	9.2-9.2 9.2-13.1
150mm	Flow m ³ /s/m	0.130	0.195	0.260	0.326	0.391	0.456	0.521	0.586	0.651
	NC	-	-	23	30	35	40	44	47	50
	Throw, m	Sill or Floor Side Wall	1.5-1.5 2.7-4.6	3.0-3.0 4.0-6.1	4.6-4.6 5.2-7.6	5.8-5.8 6.1-8.8	7.0-7.0 7.0-10.0	7.6-7.6 7.9-11.3	8.5-8.8 8.5-12.2	9.5-9.5 9.2-13.4

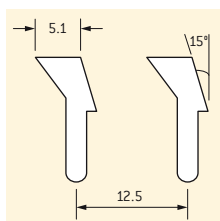
Guide Product Weights	
Model	Approximate Weight in Kg per metre x 150mm
LDH-1215	2.3
LDHF-1215	3.0

Note

Refer to page 51B, Frame Style 4, for LDHF Surround.

Model: LDH-1215SD

15° deflection - front blades
0° - 45° deflection - rear blades
12.5mm spacing
5.1mm louver



Dimensions

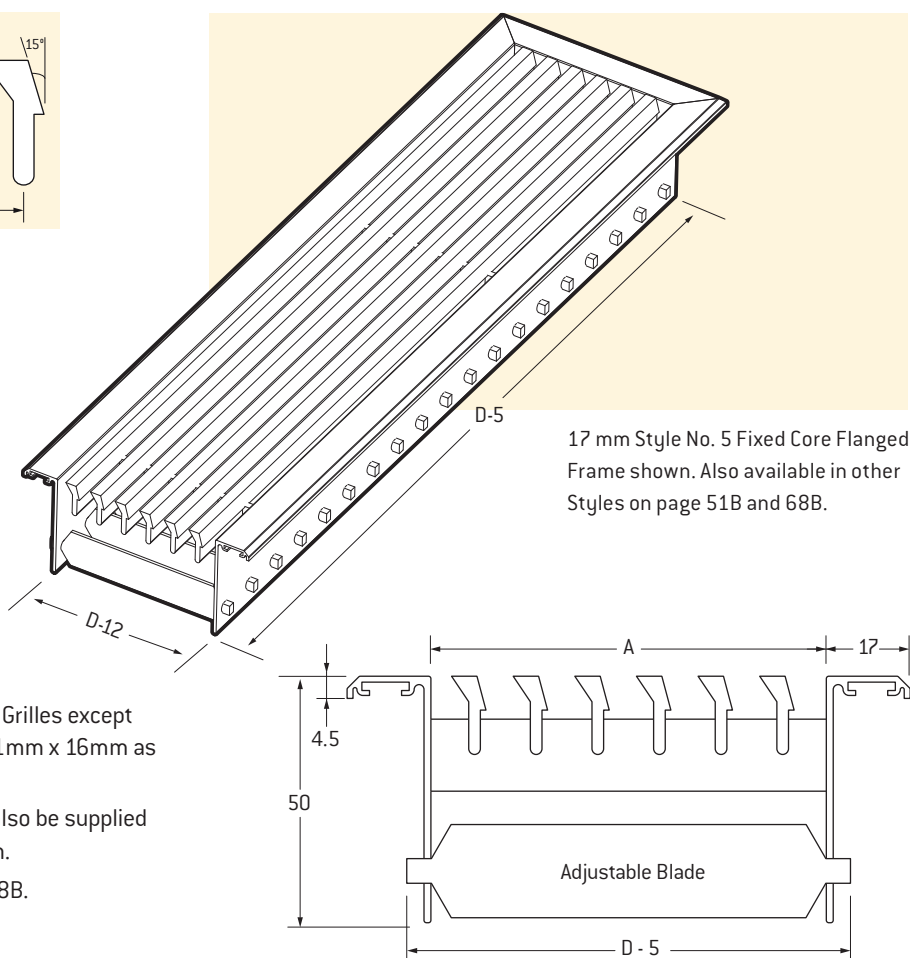
D	A	Number of Bars
Listed Size	Opening	
50	30	2
75	55	4
100	80	6
125	105	8
150	130	10
200	180	14
250	230	18
300	280	22
350	330	26

The same basic design as Model LD-1215SD Linear Bar Grilles except that the standard fixed bar type louvers are heavier 5.1mm x 16mm as compared to 3.2mm x 16mm.

The LDHSD is available in any desired length and can also be supplied with alternative frame types including the PMF system.

When used with the PMF System, see notes on page 68B.

Not suitable for floor applications.



Size	Total Pressure Pa	0°	3	7	12	19	27	37	48	61	75
		22.5°	4	9	17	25	36	47	62	77	90
		45°	4	11	19	30	44	57	74	93	106
50 mm	Flow m³/s/m		0.029	0.045	0.059	0.074	0.090	0.104	0.119	0.133	0.149
	NC		-	-	19	26	31	36	40	43	46
	Throw, m		0.9-2.1	1.5-3.7	2.1-4.9	2.7-6.1	3.4-7.0	3.7-7.6	4.3-8.5	4.9-9.5	5.2-10.0
100 mm	Flow m³/s/m		0.079	0.118	0.158	0.197	0.236	0.276	0.315	0.353	0.394
	NC		-	-	21	28	33	38	42	45	48
	Throw, m		1.8-3.4	3.0-5.2	4.0-6.4	4.9-7.6	5.8-8.8	6.7-10.1	7.3-11.3	8.2-12.5	9.2-13.4
150 mm	Flow m³/s/m		0.130	0.195	0.260	0.326	0.391	0.456	0.521	0.586	0.651
	NC		-	-	23	30	35	40	44	47	50
	Throw, m		2.7-4.6	4.0-6.1	5.2-7.6	6.1-8.8	7.0-10.0	7.9-11.3	8.5-12.2	9.2-13.4	10.7-14.3
200 mm	Flow m³/s/m		0.158	0.236	0.316	0.394	0.472	0.552	0.630	0.706	0.788
	NC		-	-	23	30	35	40	44	47	50
	Throw, m		3.3-5.8	5.2-7.3	7.0-8.8	7.3-10.0	8.2-11.0	9.1-12.5	9.7-12.8	10.2-14.0	12.5-14.9
250 mm	Flow m³/s/m		0.210	0.314	0.418	0.524	0.628	0.732	0.836	0.940	1.046
	NC		-	-	24	31	36	41	45	48	51
	Throw, m		3.9-7.0	6.4-8.5	7.8-10.0	8.5-11.2	9.4-12.0	10.3-13.7	10.9-13.4	11.2-14.6	14.3-15.5
300 mm	Flow m³/s/m		0.260	0.390	0.520	0.652	0.782	0.912	1.042	1.172	1.302
	NC		-	20	25	32	37	42	46	48	51
	Throw, m		4.5-8.2	7.6-9.7	8.6-11.2	9.7-12.4	10.6-13.0	11.5-14.9	12.1-14.0	12.2-15.2	13.6-16.1
350 mm	Flow m³/s/m		0.288	0.432	0.576	0.720	0.864	1.008	1.152	1.292	1.440
	NC		-	20	25	32	37	42	46	48	51
	Throw, m		5.1-9.4	8.8-10.9	9.4-12.4	10.9-13.6	11.8-14.0	12.7-16.1	13.3-16.3	13.8-16.5	14.5-16.7

Note

1. For deflection settings of 22.5 and 45 degrees, increase the stated sound levels by 1 and 7 NC respectively.
2. For deflection settings of 22.5 and 45 degrees, decrease the stated throws to 80% and 50% respectively. Refer to page 202E.

Guide Product Weights	
Model	Approximate Weight in Kg per metre x 150mm
LD1215SD	2.9