

# LF – Selection Data

Model: **LF-1200**

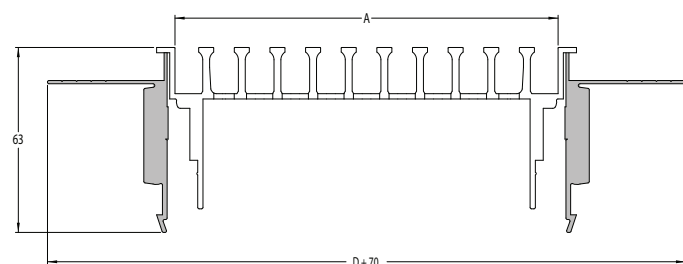
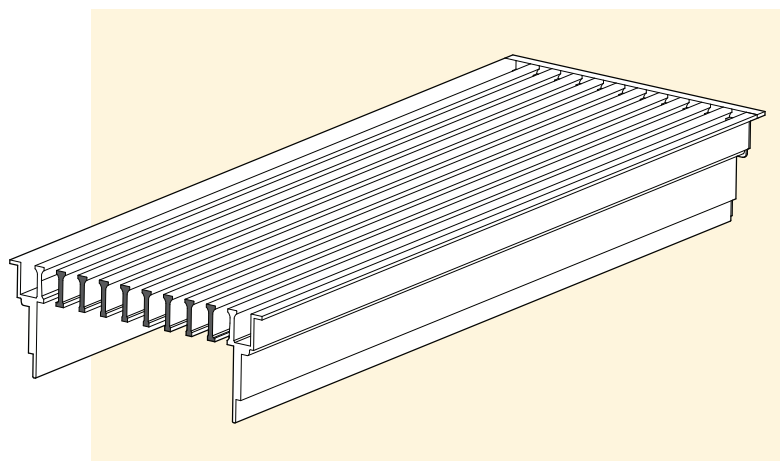
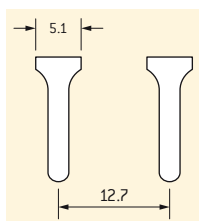
0° deflection

12.7mm spacing

5.1mm louver

## Dimensions

D	A	Number of Bars
Listed Size	Opening	
100.0	81.4	6
150.0	131.4	10
200.0	181.4	14



The same basic design as Model LD-1200 Linear Diffusers except that the Standard fixed, bar-type louvers are heavier 5.1mm x 16mm as compared to 3.2mm x 16mm.

The LF-1200 is a one piece single extrusion which can be supplied in any desired length. The linear flow grille has been specifically designed to be used in conjunction with the plaster mounting frame (PMF) (see notes of page 68B).

**Not suitable for floor applications.**

Size	Total Pressure	3	6	10	16	23	31	40	51	63
100 mm	Flow m <sup>3</sup> /s/m	0.063	0.091	0.121	0.150	0.180	0.211	0.239	0.271	0.300
	NC	-	-	17	23	28	33	37	40	43
	Throw, m	1.8-3.4	3.0-5.2	4.0-6.4	4.9-7.9	6.1-9.2	6.7-10.4	7.3-11.3	8.5-12.8	9.5-14.0
150 mm	Flow m <sup>3</sup> /s/m	0.119	0.164	0.214	0.271	0.326	0.380	0.432	0.494	0.502
	NC	-	-	19	25	30	35	39	42	45
	Throw, m	2.7-4.3	4.0-6.1	4.9-7.3	6.1-8.8	7.3-10.4	8.5-11.9	9.2-12.5	10.4-14.0	11.6-15.3
200 mm	Flow m <sup>3</sup> /s/m	0.196	0.275	0.366	0.450	0.529	0.607	0.646	0.695	0.742
	NC	-	-	20	26	31	35	40	43	46
	Throw, m	3.3-4.9	5.2-7.3	5.5-7.9	7.3-10.0	8.5-11.6	10.3-13.1	11.2-13.9	12.8-15.8	14.0-16.7

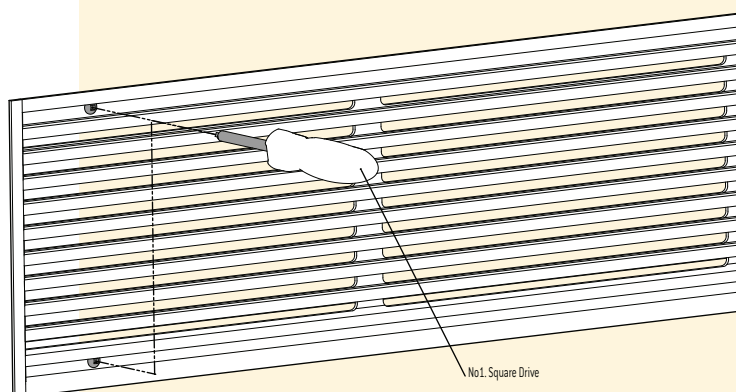
The LF grille features a removable design. The retaining screws are simply loosened by three turns releasing the mounting clips and allowing the grille to slide out of the mounting frame.



The install of the LF grille in the plaster mounting frame is detailed in an assembly video, scan the QR code to the left or visit the following link:

[www.holyoake.com/lfinstall.html](http://www.holyoake.com/lfinstall.html)

Guide Product Weights	
Model	Approximate Weight in Kg per metre
LF-1200x 100mm	1.8
LF-1200x 150mm	2.6
LF-1200x 200mm	3.3



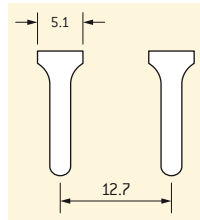
## Model: LF-1200SD

0° deflection - front blades

0° - 45° deflection - rear blades

12.7mm spacing

5.1mm louver

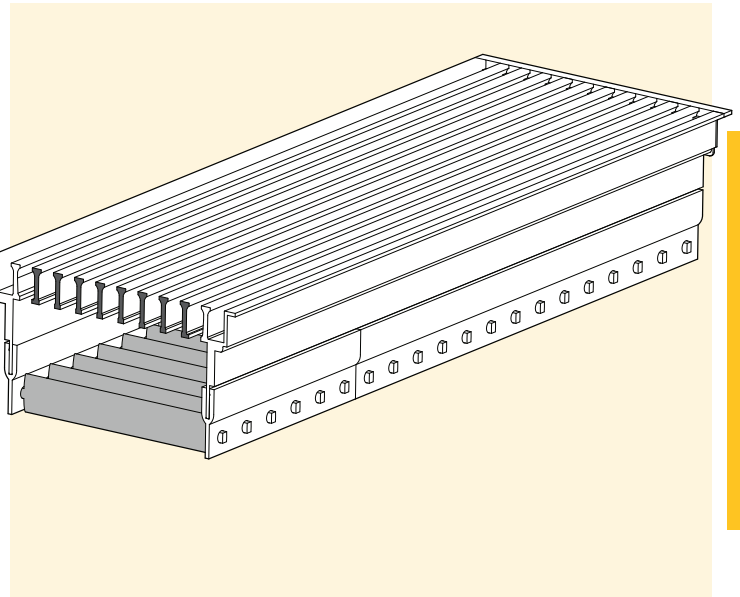


Ideal for apartment and hotel rooms this Linear Bar grille has fixed blades at the front and adjustable single deflection blades behind allowing the supply air to be directed horizontally.

The design is identical to the LF-1200, the adjustable blades simply clip on behind. The SD adjustable single deflection blades are supplied in black to minimise the visual impact behind the grille.

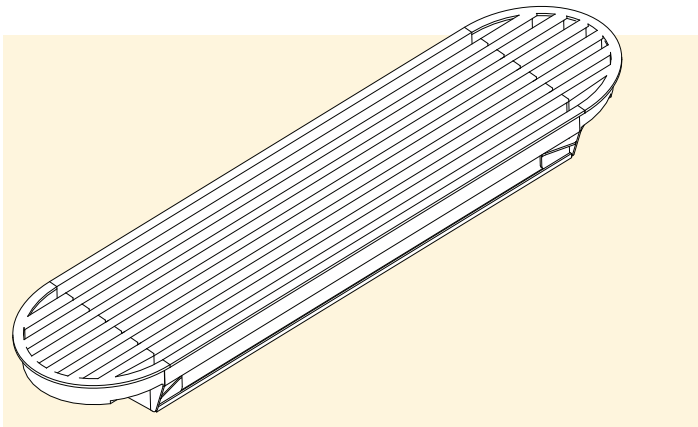
The LFSD is available in any desired length and is also compatible with the PMF mounting system. (See notes on page 68B)

**Not suitable for floor applications.**



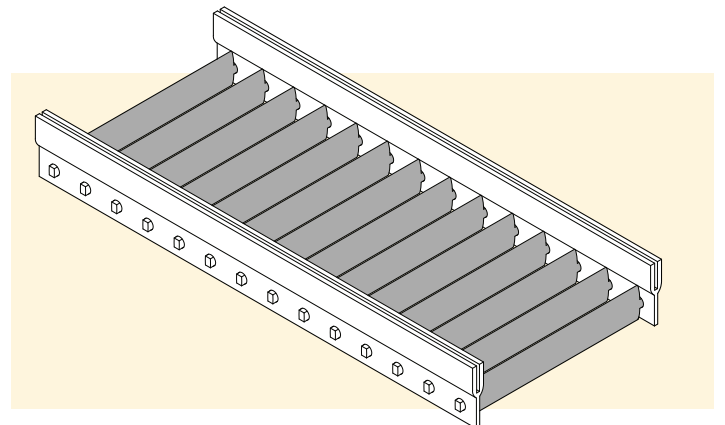
Linear Diffusers

Size	Total Pressure Pa	0°	3	6	10	16	23	31	40	51	63
		22.5°	3	7	11	17	25	34	42	51	59
		45°	5	10	16	26	37	50	61	74	85
100 mm	Flow m³/s/m		0.062	0.090	0.117	0.147	0.176	0.206	0.235	0.265	0.295
	NC		-	-	17	23	28	33	37	40	43
	Throw, m		1.8-3.4	3.0-5.2	4.0-6.4	4.9-7.9	6.1-9.2	6.7-10.4	7.3-11.3	8.5-12.8	9.5-14.0
150 mm	Flow m³/s/m		0.109	0.157	0.205	0.258	0.316	0.370	0.421	0.484	0.491
	NC		-	-	19	25	30	35	39	42	45
	Throw, m		2.7-4.3	4.0-6.1	4.9-7.3	6.1-8.8	7.3-10.4	8.5-11.9	9.2-12.5	10.4-14.0	11.6-15.3
200 mm	Flow m³/s/m		0.175	0.259	0.344	0.435	0.528	0.591	0.634	0.684	0.730
	NC		-	-	20	26	31	35	40	43	46
	Throw, m		3.3-4.9	5.2-7.3	5.5-7.9	7.3-10.0	8.5-11.6	10.3-13.1	11.2-13.9	12.8-15.8	14.0-16.7



An innovative new development is the radial end cap that is available for all three LF sizes. The patent pending design helps further compliment the LF grille to achieve an even more refined finish. The end cap is available in all powdercoat finishes

The end cap is a single piece die cast part that interlocks with the LF grille to provide a seamless transition. The radial end cap comes complete with radial plaster mounting frame for simple installation, see page 68B for more installation information.



The SD single deflection blades can be retrofitted to existing installed LF grilles. The grille is removed from the mounting frame as described on the previous page and the SD simply clips on the rear surround.

The SD is available in modules and can be supplied to fit the entire grille length or partial sections.

Guide Product Weights	
Model	Approximate Weight in Kg per metre
LF-1200SD x 100mm	2.2
LF-1200SD x 150mm	3.2
LF-1200SD x 200mm	4.0

### 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.