

EDFLNA EDFLBN A Linear slot diffusers with aluminium rotary deflectors



Description

Aluminium diffuser with adjustable rotary deflectors for optimal air throw control. Also available with sliding regulation damper.

Characteristics

Material: aluminium.
Finish: natural anodised.
Deflectors: aluminium.
Installation: duct or plenum.

Use

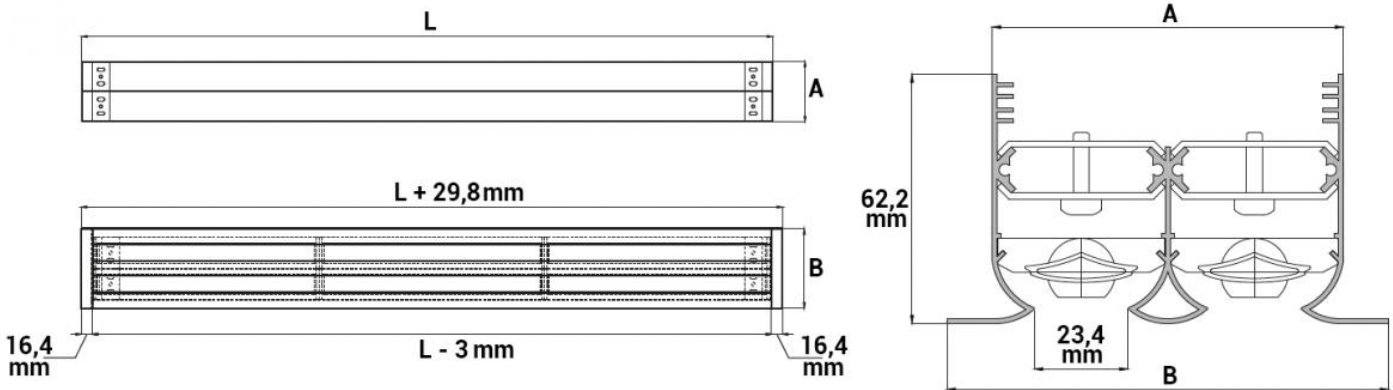
Diffuser suitable for both air supply and exhaust in large rooms. Its modularity allows for great freedom of design.

Models

EDFLNA-10 exhaust diffusers (without deflectors).
EDFLNA-20 supply diffusers with ALUMINIUM deflectors.
EDFLBNA-20 white RAL9010 supply diffusers with white ALUMINIUM deflectors.
EDFLNA-40 supply diffusers with ALUMINIUM deflectors and sliding damper.
EDFLBNA-40 white RAL9010 supply diffusers with white ALUMINIUM deflectors and sliding damper.
EDFLNA-50 supply diffusers with ALUMINIUM deflectors, equaliser and sliding damper.
EDFLBNA-50 white RAL9010 supply diffusers with white ALUMINIUM deflectors, equaliser and sliding damper.

Accessories

- galvanised plenum;
- insulated plenum;
- 90° corner connection;
- continuity kit.



Linear diffuser dimensions

Dimensions are expressed in mm

Number of slots	L	A	B	number of fixing brackets
1 slot	800	44,4	67	2
2 slots		87,6	110,2	2
3 slots		130,8	153,4	2
4 slots		174	196,6	2
1 slot	1000	44,4	67	2
2 slots		87,6	110,2	2
3 slots		130,8	153,4	2
4 slots		174	196,6	2
1 slot	1500	44,4	67	3
2 slots		87,6	110,2	3
3 slots		130,8	153,4	3
4 slots		174	196,6	3
1 slot	2000	44,4	67	4
2 slots		87,6	110,2	4
3 slots		130,8	153,4	4
4 slots		174	196,6	4

Operating data

Data referring to 1 m long diffusers

Vk: effective speed (m/s)

m³/h: air flow rate

Pa: pressure drops in Pascal

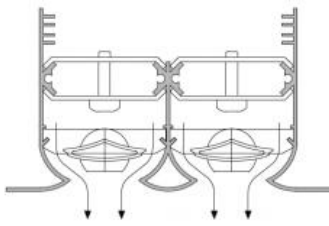
Lo(m): horizontal air throw in metres calculated on ceiling flush installation and terminal velocity 0.25 m/s

Lv(m): vertical air throw in metres calculated on ceiling flush installation and terminal velocity 0.25 m/s

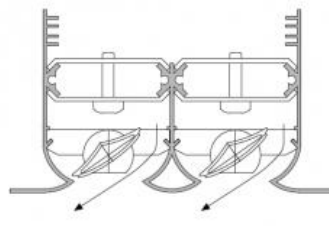
dB(A): noise level

number of slots	effective cross-section m ²	air flow rate, air throw and pressure drop							
		m ³ /h	Pa	Lo(m)	Lv(m)	m ³ /h	Pa	Lo(m)	Lv(m)
1 slot	0,0099	m ³ /h	72	107	143	179	215	251	287
		Pa	4	9	15	24	35	47	61
		Lo(m)	2,6	4,0	5,3	6,6	7,9	9,2	10,5
		Lv(m)	1,8	2,8	3,7	4,6	5,5	6,5	7,4
2 slots	0,0199	m ³ /h	143	215	287	358	430	501	573
		Pa	5	10	18	29	41	56	74
		Lo(m)	3,8	5,6	7,5	9,4	11,3	13,2	15,1
		Lv(m)	2,6	4,0	5,3	6,6	7,9	9,2	10,5
3 slots	0,0298	m ³ /h	215	322	430	537	645	752	860
		Pa	6	14	26	40	58	79	103
		Lo(m)	4,4	6,7	8,9	11,1	13,3	15,6	17,8
		Lv(m)	3,1	4,7	6,2	7,8	9,3	10,9	12,4
4 slots	0,0398	m ³ /h	287	430	573	716	860	1003	1146
		Pa	10	23	41	64	92	125	163
		Lo(m)	5,0	7,6	10,1	12,6	15,1	17,6	20,2
		Lv(m)	3,5	5,3	7,1	8,8	10,6	12,4	14,1
Vk		m/s	2	3	4	5	6	7	8
noise level		dB(A)	25-30	30-35	35-40	40-45	42-48	45-50	50-55

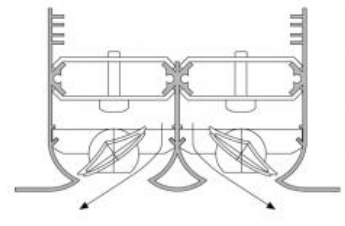
Air throw characteristics



LANCIO VERTICALE
VERTICAL THROW



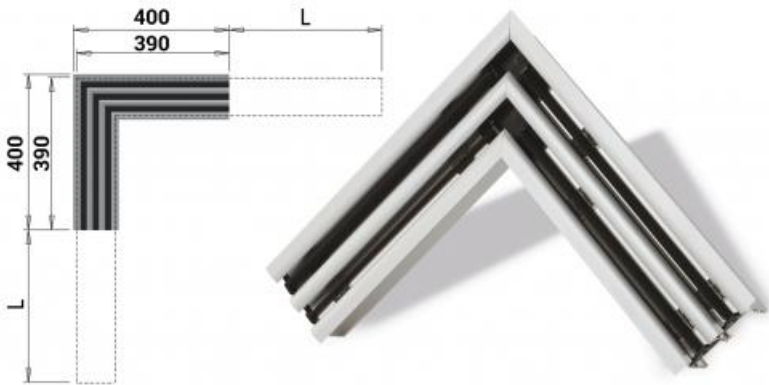
LANCIO ORIZZONTALE 1 DIREZIONE
HORIZONTAL THROW ONE DIRECTION



LANCIO ORIZZONTALE 2 DIREZIONI
TWO DIRECTION HORIZONTAL THROW

Corner connection

Aesthetic connecting element between the two linear diffuser lines with a 90° angle and 400 mm length on each side. All measurements are expressed in mm.

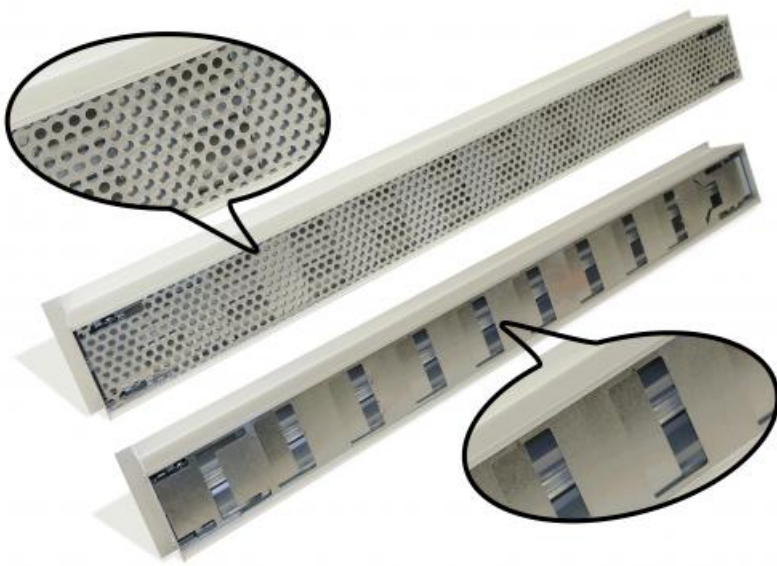


Continuity kit

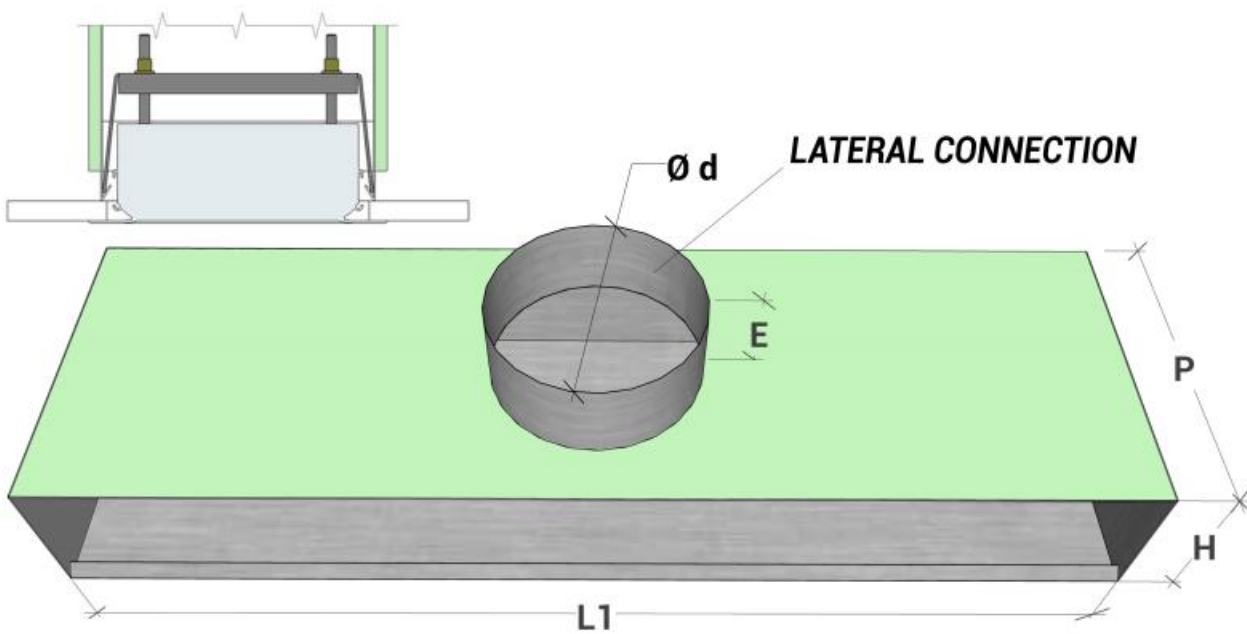
The continuity kit is an accessory required to create continuous lines of linear diffusers longer than 2 metres. It is made up of two junction clamps that allow for the alignment and connection of two components of the line.



Equaliser mesh and sliding damper



Plenum dimensions and fixing bracket system



all dimensions are expressed in mm

Number of slots	L	Plenum dimensions						
		L1	No. of connections		Ø d	P	H	E
1 slot	800	815	1		123	200	59	80
	1000	1015	1					
	1500	1515	2					
	2000	2015	2					
2 slots	800	815	1		148	240	102	80
	1000	1015	1					
	1500	1515	2					
	2000	2015	2					
3 slots	800	815	1		148	240	145	80
	1000	1015	1					
	1500	1515	2					
	2000	2015	2					
4 slots	800	815	1		198	285	189	80
	1000	1015	1					
	1500	1515	2					
	2000	2015	2					

Price list

For dimensions other than those indicated: 15% increase compared to the bigger dimension indicated in the table

	model	EDFLNA-10	EDFLNA-20	EDFLNA-40	EDFLNA-50	PLENUM	Insulated PLENUM
		euro	euro	euro	euro	euro	euro
1 slot	800	47,18	53,77	66,73	75,54	55,11	70,55
	1000	52,86	62,21	79,35	89,67	61,10	78,51
	1500	76,06	92,63	113,82	127,79	77,32	99,84
	2000	94,79	116,89	143,19	161,00	98,95	129,54
2 slots	800	69,38	85,71	108,91	124,68	58,45	74,86
	1000	77,45	99,07	125,62	144,03	66,71	85,35
	1500	110,21	143,33	178,25	202,84	84,54	108,52
	2000	136,94	181,10	224,29	255,28	107,75	140,19
3 slots	800	91,80	117,84	152,77	175,52	61,83	79,16
	1000	101,84	136,13	175,85	202,27	71,09	90,85
	1500	144,57	194,26	245,89	281,09	90,50	115,94
	2000	179,30	245,53	310,31	354,50	115,29	149,53
4 slots	800	119,77	155,54	202,11	231,85	67,17	85,58
	1000	126,55	173,32	225,97	260,43	74,32	95,11
	1500	178,31	244,59	314,37	360,23	94,69	121,55
	2000	221,42	309,76	396,27	453,46	120,44	156,40

White painted version price list

	model	EDFLBNA-10	EDFLBNA-20	EDFLBNA-40	EDFLBNA-50	PLENUM	Insulated PLENUM
		euro	euro	euro	euro	euro	euro
1 slot	800	71,33	81,49	94,47	103,25	55,11	70,55
	1000	74,32	89,93	107,01	117,37	61,10	78,51
	1500	97,52	123,47	144,69	158,65	77,32	99,84
	2000	121,08	150,88	177,17	194,94	98,95	129,54
2 slots	800	90,81	119,66	142,88	158,67	58,45	74,86
	1000	98,68	133,03	159,58	177,95	66,71	85,35
	1500	131,64	183,55	218,45	243,06	84,54	108,52
	2000	163,22	227,59	270,80	301,77	107,75	140,19
3 slots	800	113,25	158,07	193,00	215,72	61,83	79,16
	1000	123,29	176,35	216,05	242,48	71,09	90,85
	1500	165,98	243,86	295,49	330,71	90,50	115,94
	2000	205,59	304,54	369,31	413,47	115,29	149,53
4 slots	800	141,23	202,02	248,60	278,30	67,17	85,58
	1000	148,01	219,78	272,44	306,91	74,32	95,11
	1500	199,80	303,59	373,39	419,24	94,69	121,55
	2000	247,72	381,29	467,76	524,96	120,44	156,40

fixing bracket	euro
1 slot	6,72
2 slots	6,72
3 slots	6,72
4 slots	6,72

Accessory price list

Angular	EDFLNA with deflectors		EDFLBNA with deflectors	
	euro		euro	
1 slot	98,67		131,99	
2 slots	130,06		158,39	
3 slots	161,44		187,32	
4 slots	192,83		216,71	
continuity kit	13,63		13,63	