

PLFF

- > Louvre Full Face Diffuser
- > High Capacity
- > Spread Pattern Options

DESCRIPTION

A high capacity louvred face directional diffuser that can supply large volumes of air at relatively low sound levels and pressure drops. Available with a wide variety of core styles and neck sizes, a combination can be selected to suit a specified air pattern and deliver the desired volume of air to suit any particular requirement.

CONSTRUCTION

Extruded aluminium.

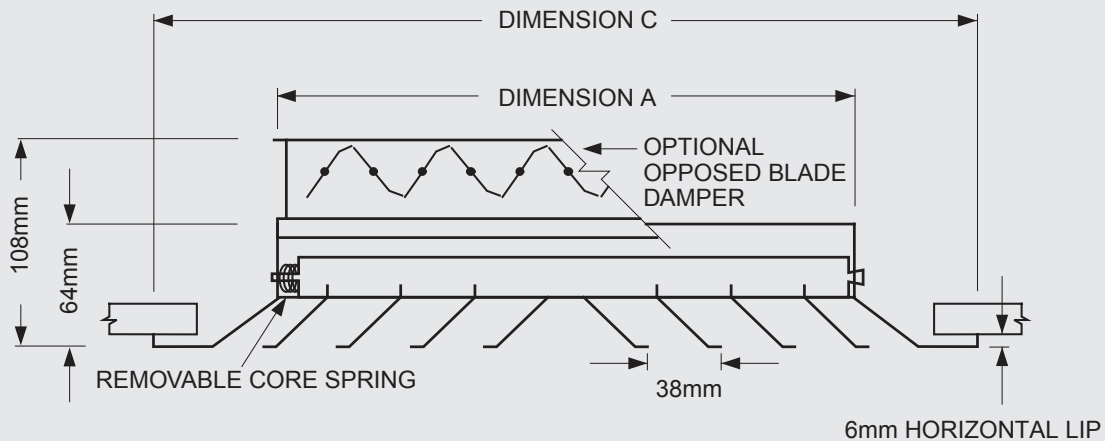
Finish:

White polyester powder finish RAL 9010 semi-gloss as standard. *Other finishes available.*

MODELS

PLFF: Fixed Pattern Full Face

PLFF – Louvre Full Face Diffuser



DIMENSIONS (mm)

Nominal Unit Size	Actual Neck 'A'	Overall Flanges 'C'
150 x 150	146 x 146	595 x 595
225 x 225	223 x 223	595 x 595
300 x 300	299 x 299	595 x 595
375 x 375	375 x 375	595 x 595
450 x 450	451 x 451	595 x 595

NOTES


Available Sizes:


Unit size is determined by duct dimensions.
Diffuser necks are under sized to suit ductwork.
Duct Sizes are available in 75 mm increments.


Minimum size:


150 mm x 150 mm square neck.
225 mm x 150 mm rectangular neck.


PLFF – CORE STYLES

1-WAY	Size (mm)		
	CORE	MIN	MAX
	1S	150 x 150	450 x 450

2-WAY	Size (mm)		
	CORE	MIN	MAX
	2S	150 x 150	450 x 450

2-WAY CORNER	Size (mm)		
	CORE	MIN	MAX
	2G	150 x 150	450 x 450

3-WAY	Size (mm)		
	CORE	MIN	MAX
	3A	150 x 150	450 x 450

4-WAY	Size (mm)		
	CORE	MIN	MAX
	4A	150 x 150	450 x 450

RETURN SELECTION DATA

Air Volume (m³/s)		4-Way																
		0.015	0.020	0.025	0.030	0.040	0.050	0.060	0.080	0.100	0.125	0.150	0.200	0.250	0.300	0.400	0.500	
Size	15.60	Pa	1	3	5	6	10	15	22									
		dB(A)	-	-	-	-	-	12	18									
	22.60	Pa			1	1	2	3	4	6	9							
		dB(A)			-	-	-	-	-	-	-							
	30.60	Pa					1	2	2	3	7	11	18					
		dB(A)					-	-	-	-	-	14	23					
	37.60	Pa							1	2	4	8	12	24				
		dB(A)							-	-	-	10	17	23				
	45.60	Pa								2	4	6	9	15	22	36	63	98
		dB(A)								-	-	-	10	17	22	28	33	40

RETURN KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

Pa = Static Pressure Drop
dB(A) = Sound Pressure Level

SUPPLY KEY INFORMATION

Throw based on diffuser installed in a standard suspended ceiling.

T1 & T2 = Throw in metres (m)
Pa = Static Pressure Drop
dB(A) = Sound Pressure Level
VEL = Neck Velocity m/s

Supply data over the page.

