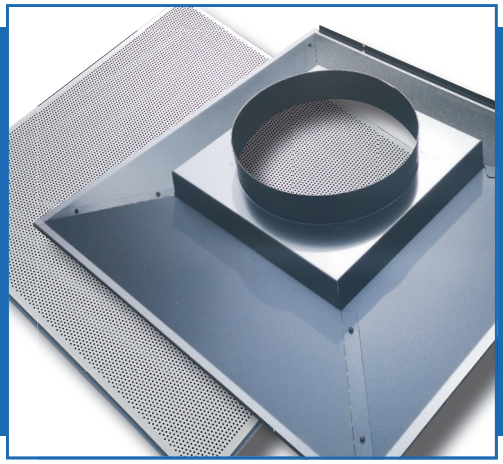
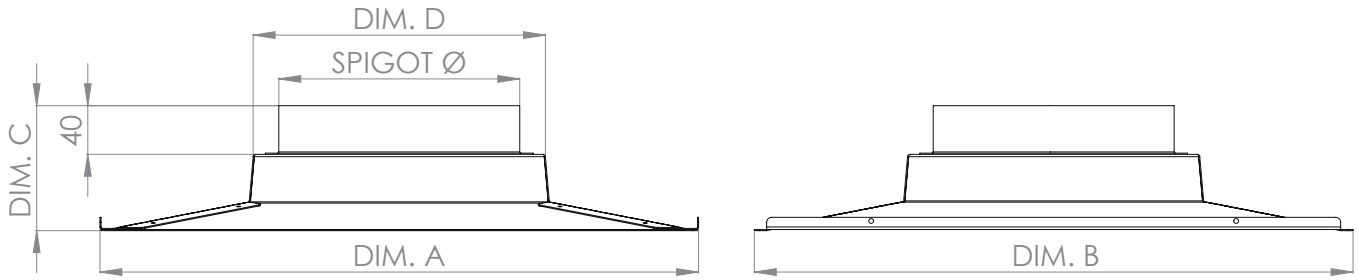
briteair

Perforated Face Diffuser Type BLFT

The BLFT Diffuser has been designed to work with low free area tiles – typically 23% - enabling the use of standard metal ceiling tiles. This creates a consistent ceiling appearance with no obvious visible signs of the diffuser. The air is distributed evenly through the perforated tile inducing room air leading to rapid decay of supply air velocities and air temperature differentials. The unique air pattern of the diffuser also creates a layer of clean air that helps prevent the staining of the diffuser and ceiling from induced dirty room air – typical with 4 Way Diffusers.





Dimensions

Size	A	B	C	D	Spigot Ø
600	592	592	63	290	247
500	492	492	63	240	197
400	392	392	48	180	157
330	322	322	40	160	122
300	292	292	34	146	122

How to Order *(e.g. 80 No BLFT-600-PB-SE-INS-FD-RAL 9005)*

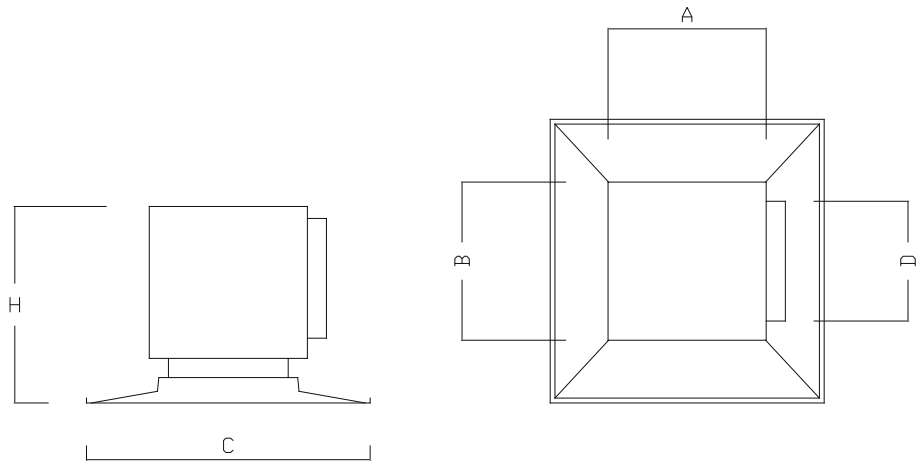
Type	Size	Connection	Spigot Damper	Blanking Segment	RAL Colour
BLFT BLFT		PB-SE Side Entry Box	FD Spigot Damper	e.g. 3 Way	9005 Matt Black
		PB-SE-INS Insulated Side Entry Box	CD Cord Damper		

briteair SYSTEMS LTD

Briteair Systems Ltd
Unit 2, Norquest Ind Park, Pennine View, Birstall, West Yorkshire WF17 9NE

Tel: 01924 444 174 | Fax: 01924 476 600 | www.briteair.co.uk

Perforated Face Diffuser Type BLFT



Plenum dimensions

Size	A	B	C	D	H
600	315	330	592	247	403
500	265	280	492	197	353
400	225	240	392	157	300
330	190	205	322	122	250
300	190	205	292	122	250

Perforated Face Diffuser Type BLFT: Performance Data

SIZE								
300	**Air Volume l/s**	**20**	**25**	**30**	**35**	**40**	**45**	**50**
	Minimum Spacing	1.1	1.3	1.6	1.9	2.1	2.4	2.7
	Pd	12	19	28	38	50	63	78
	NR Level	<20	<20	20	24	28	31	34

SIZE								
330	**Air Volume l/s**	**30**	**35**	**40**	**45**	**50**	**60**	**70**
	Minimum Spacing	1.4	1.7	1.9	2.1	2.4	2.9	3.3
	Pd	17	23	29	37	46	66	90
	NR Level	<20	<20	23	26	29	35	39

SIZE								
400	**Air Volume l/s**	**40**	**50**	**60**	**70**	**80**	**90**	**110**
	Minimum Spacing	1.4	1.8	2.4	2.5	2.8	3.2	3.9
	Pd	12	18	27	36	47	60	89
	NR Level	<20	<20	23	27	31	34	40

SIZE								
500	**Air Volume l/s**	**60**	**70**	**80**	**100**	**120**	**140**	**160**
	Minimum Spacing	1.8	2.1	2.4	3.1	3.7	4.3	4.9
	Pd	12	16	21	33	48	65	85
	NR Level	<20	<20	21	21	32	36	40

SIZE								
600	**Air Volume l/s**	**100**	**120**	**140**	**160**	**180**	**200**	**220**
	Minimum Spacing	2.6	3.1	3.7	4.2	4.7	5.2	5.7
	Pd	15	19	25	33	42	52	63
	NR Level	<20	<20	23	27	31	34	36

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