briteair

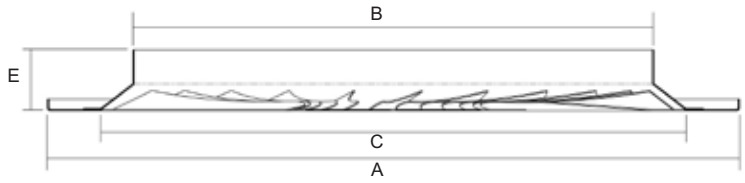
Swirl Diffuser Type SSW

Suitable for ceiling mounting and can be manufacturerd to suit most ceiling tile arrangements.

The Straight Vane Swirl Diffuser offers excellent induction of room air and the rapid decay of supply air velocities and air temperature differentials.

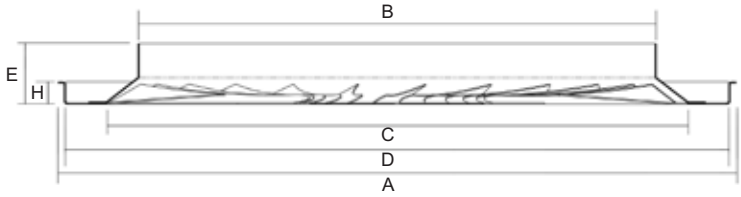
Multiple Variations

SSW-24-L Lay-in Ceiling Type



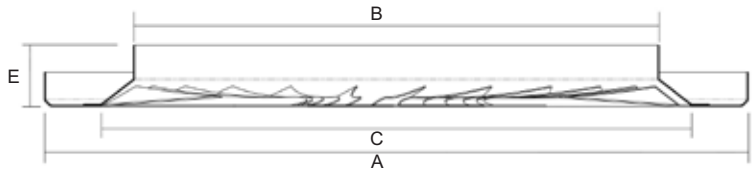
Nom Size	A	BØ	CØ	E
200	**595**	197	250	55
300	**595**	297	350	55
350	**595**	347	400	55
450	**595**	447	500	55
500	**595**	500	500	55

SSW-24-T Tegular Ceiling Type



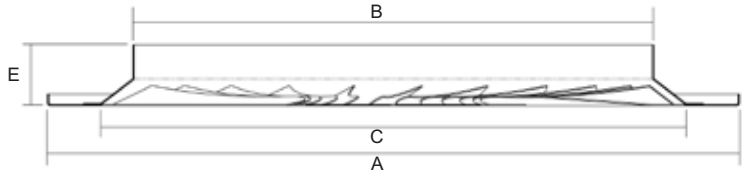
Nom Size	A	BØ	CØ	D 24T/15T	E
200	**595**	197	250	574/584	55
300	**595**	297	350	574/584	55
350	**595**	347	400	574/584	55
450	**595**	447	500	574/584	55
500	**595**	500	500	574/584	55

SSW-24-M Clip-in Metal Ceiling Type



Nom Size	A	BØ	CØ	E
200	**599**	197	250	55
300	**599**	297	350	55
350	**599**	347	400	55
450	**599**	447	500	55
500	**599**	500	500	55

SSW-24-C Circular Swirl Diffuser



Nom Size	AØ	BØ	CØ	E
200	**326**	197	250	55
300	**426**	297	350	55
350	**480**	347	400	55
450	**600**	447	500	55
500	**600**	500	500	55

*Please contact our **Sales Office on 01924 444 174** for selection guidance on the above.*

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

Swirl Diffuser Type SSW

How to Order

Type	No of Blades	Edge Detail	Tegular Depth	Size	Overall Size	RAL Colour
SSW	24	L - Lay-In Grid T15 - Tegular 584 x 584 T24 - Tegular 574 x 574 M - Clip-In Metal Tile	e.g. 14mm	200 300 350 450 500	595 x 595 599 x 599	e.g. RAL 9010

e.g. 10 No SSW - 24 - L - 450 - 595 x 595 - RAL 9010

Performance Data

Size										
200 Dia	l/s	10	15	20	25	30	35	40	45	50
	Throw m	0.3 - 0.5	0.4-0.8	0.5-1.0	0.6-1.3	0.8-1.5	0.9-1.8	1.0-2.2	1.2-2.3	1.3-2.7
	Pa	1	3	5	9	12	17	22	28	34
	NC					17	22	25	29	32
	l/s	55	60	65	70					
	Throw m	1.4-2.8	1.5-3.1	1.7-2.3	1.8-3.6					
	Pa	41	49	57	67					
	NC	34	37	39	41					
300 Dia	l/s	30	35	40	45	50	55	60	65	70
	Throw m	0.5-1.0	0.6-1.2	0.7-1.4	0.7-1.5	0.8-1.7	0.9-1.9	1.2-2.2	1.2-2.3	1.2-2.4
	Pa	3	4	5	6	8	9	11	13	15
	NC						16	19	21	23
	l/s	75	80	85	90	95	100	105	110	115
	Throw m	1.3-2.5	1.4 - 2.7	1.5 - 2.9	1.8 - 3.1	2.1 - 3.2	2.2 - 3.4	2.6 - 3.6	2.6 - 3.7	2.6 - 3.9
	Pa	17	20	22	25	28	31	33	38	41
	NC	25	27	29	30	32	33	35	36	37
350 Dia	l/s	50	55	60	65	70	80	90	100	110
	Throw m	0.8-1.6	0.8-1.7	1.0-1.9	1.1-2.0	1.1-2.2	1.2-2.5	1.5-2.8	1.5-3.1	1.5-3.4
	Pa	4	4	5	6	7	9	12	14	17
	NC						17	20	23	26
	l/s	120	130	140	150	160	170	180	190	200
	Throw m	1.8-3.8	2.0-4.1	2.1-4.4	2.3-4.7	2.4-5.0	2.5-5.3	2.8-5.6	2.4-5.9	3.0-6.3
	Pa	21	24	28	32	36	41	46	51	57
	NC	28	31	33	35	36	38	40	41	43
450 Dia	l/s	75	80	90	100	110	120	130	140	150
	Throw m	0.8-1.8	0.9-1.9	1.0-2.2	1.1-2.4	1.2-2.6	1.4-2.9	1.5-3.1	1.6-3.4	1.8-3.6
	Pa	5	6	7	9	11	13	15	18	20
	NC					16	18	21	23	25
	l/s	160	170	180	190	200	210	220	230	240
	Throw m	1.8-3.8	2.0-4.1	2.1-4.3	2.3-4.6	2.4-4.8	2.4-5.0	2.5-5.3	2.7-5.5	2.8-5.8
	Pa	23	26	29	33	36	40	44	48	52
	NC	26	28	30	31	33	34	35	37	38
500 Dia	l/s	100	110	120	130	140	150	160	170	180
	Throw m	0.8-2.0	1.0-2.2	1.1-2.4	1.2-2.6	1.3-2.8	1.4-3.0	1.5-3.2	1.6-3.4	1.8-3.6
	Pa	6	7	8	9	11	13	14	16	18
	NC					15	17	18	20	22
	l/s	190	200	210	220	230	240	260	280	300
	Throw m	1.8-3.8	2.0-4.0	2.1-4.2	2.2-4.4	2.2-4.6	2.3-4.8	2.5-5.2	2.6-5.6	2.9-6.0
	Pa	20	22	25	27	29	32	38	44	50
	NC	23	25	26	27	29	30	32	34	36

NOTE:
All throws based on terminal velocities of 0.5 - 0.25 m/s
For Return Air Applications Multiply Pa x 0.75, NC Levels remain the same

*Please contact our **Sales Office on 01924 444 174** for selection guidance on the above.*

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