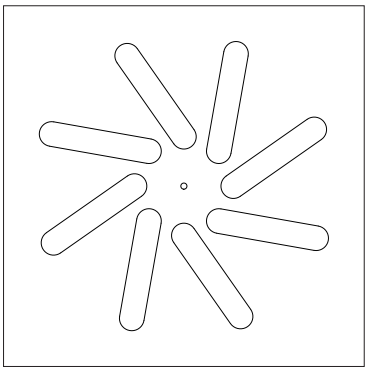
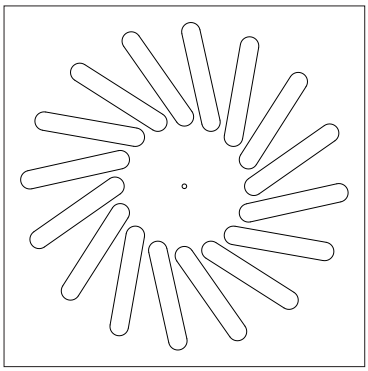
Deep Swirl / High Throw Diffuser

Suitable for ceiling mounting and can be used for both supply and extract air. The Deep Swirl / High Throw Diffuser offers excellent performance with the rapid decay of supply air velocities and temperature differentials

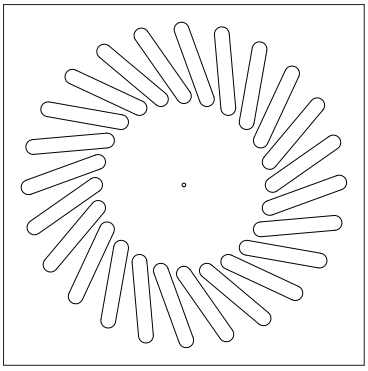




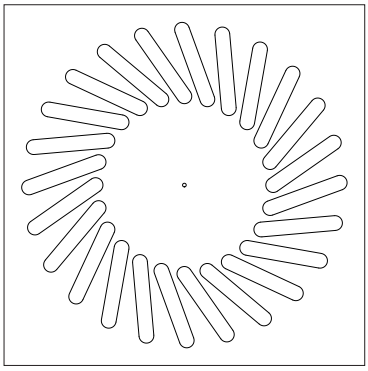
DSW - 8 - L - 300



DSW - 16 - L - 400



DSW - 24 - L - 500



DSW - 24 - L - 595

How to Order

Type	No of Blades	Edge Detail	Size	RAL Colour
DSW	8	L - Lay-In Grid	300 x 300	e.g. RAL 9010
DSW	16	T15 - Tegular 584 x 584	400 x 400	e.g. RAL 9010
DSW	24	T24 - Tegular 574 x 574	500 x 500	e.g. RAL 9010
DSW	24	M - Clip-In Metal Ceiling	595 x 595	e.g. RAL 9010

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

Performance Data

Size								
8 Blades 300 x 300	l/s	15	20	25	30	35	40	45
	Throw m	0.3 - 0.5	0.3 - 0.7	0.4 - 0.9	0.5 - 1.0	0.6 - 1.2	0.7 - 1.4	0.7 - 1.5
	Pa	3	5	8	11	15	20	25
	NC					15	18	22
	l/s	50	55	60	65	70	75	80
	Throw m	0.8 - 1.7	1.0 - 2.0	1.2 - 2.1	1.2 - 2.3	1.2 - 2.4	1.4 - 2.6	1.4 - 2.8
	Pa	31	38	45	53	62	71	80
	NC	25	27	30	32	34	36	38
16 Blades 400 x 400	l/s	30	35	40	45	50	55	60
	Throw m	0.3 - 0.7	0.3 - 0.8	0.4 - 0.9	0.4 - 1.0	0.5 - 1.1	0.5 - 1.2	0.6 - 1.3
	Pa	3	5	6	8	9	11	13
	NC					15	17	20
	l/s	65	70	75	80	90	100	110
	Throw m	0.7 - 1.5	0.8 - 1.6	0.8 - 1.7	0.9 - 1.8	1.0 - 2.0	1.0 - 2.2	1.2 - 2.5
	Pa	16	18	20	24	30	37	45
	NC	22	24	26	28	31	34	37
24 Blades 500 x 500	l/s	50	55	60	65	70	75	80
	Throw m	0.4 - 0.9	0.5 - 1.0	0.5 - 1.1	0.6 - 1.2	0.7 - 1.3	0.7 - 1.4	0.7 - 1.5
	Pa	5	6	7	8	10	11	13
	NC				16	18	20	22
	l/s	90	100	110	120	130	140	150
	Throw m	0.8 - 1.6	0.9 - 1.8	1.0 - 2.0	1.0 - 2.2	1.2 - 2.4	1.3 - 2.6	1.3 - 2.7
	Pa	16	20	24	29	34	39	45
	NC	25	28	31	33	36	38	40
24 Blades 595 x 595	l/s	70	80	90	100	110	120	130
	Throw m	0.5 - 1.0	0.6 - 1.2	0.6 - 1.3	0.7 - 1.5	0.8 - 1.6	0.9 - 1.8	1.0 - 1.9
	Pa	4	5	7	8	10	12	14
	NC			17	20	23	25	28
	l/s	140	150	160	170	180	190	200
	Throw m	1.0 - 2.0	1.1 - 2.2	1.1 - 2.3	1.2 - 2.5	1.3 - 2.6	1.4 - 2.8	1.5 - 2.9
	Pa	16	19	21	24	27	30	33
	NC	30	32	33	35	37	38	40

NOTE:
All throws based on terminal velocities of 0.5 - 0.25 m/s

Please contact our Sales Office on for selection guidance on the above:

3-4 Torridge Close,
Telford Way Industrial Estate,
Kettering, Northants, NN16 8PY

P 01536 519 922

E sales@polyaire.co.uk