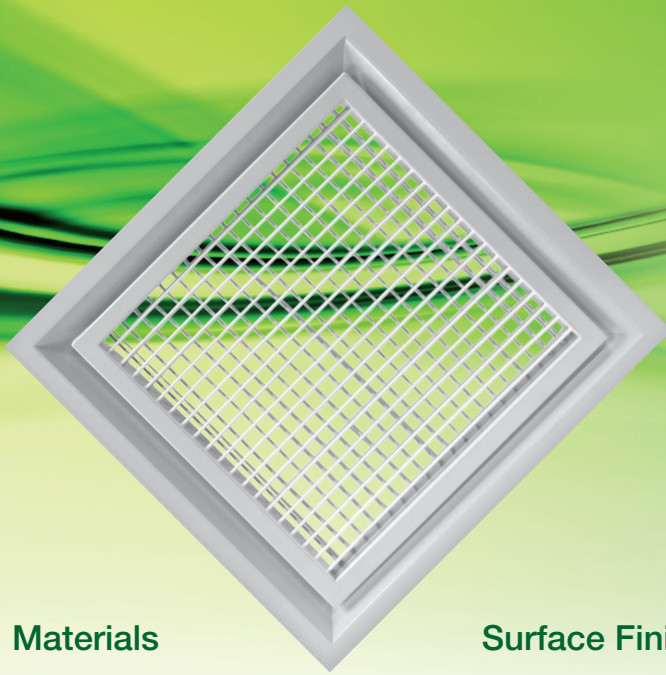


# DG Double Deflection Ceiling Diffuser



ASLI DG series is a type of diffuser designed for high ceiling installation.

## Materials

### DG-T

0.6mm SPGC galvanized steel.

### DG-A

Aluminium extrusion

## Surface Finish

White powder coated, oven baked as standard.

*Others available upon request.*

## Standard size Unit : mm

290 x 290 / 370 x 370

450 x 450 / 595 x 595

600 x 600 / 603 x 603

*Others available upon request*

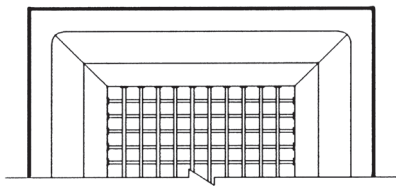
## Features

- Diffuser core in the center is made of double deflection blade, which enables more air distribution in perpendicular direction.
- Suitable for high ceiling installation.

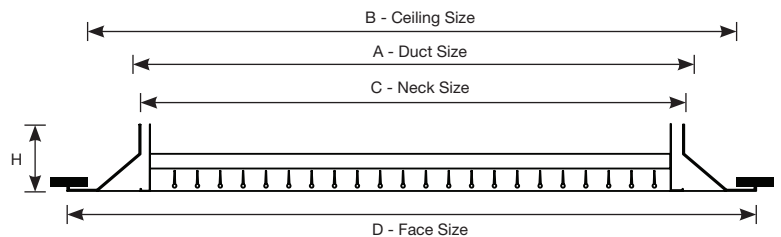
## Accessories

- C1 Radial fan blade damper
- C2 Crown damper
- D2 Adapter
- G1 Opposed blade damper
- PB-S Plenum box side entry
- PB-T Plenum box top entry

## DG Physical Dimension Unit : mm



Top View

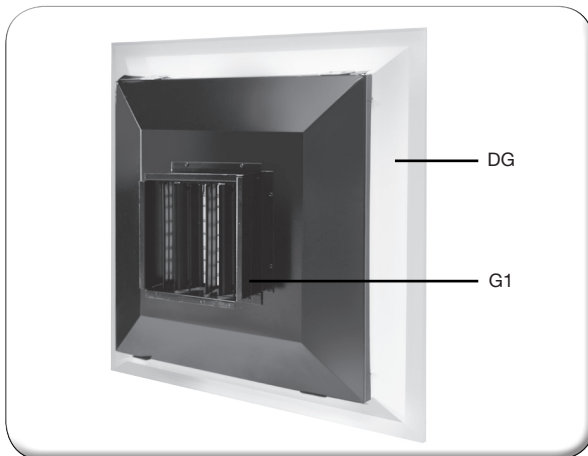


Side View

Model	C - Neck Size	A - Duct Size	B - Ceiling Size	D - Face Size	H - Height
DG	200 x 200	210 x 210	370 x 370	410 x 410	89
	250 x 250	260 x 260			
	285 x 285	295 x 295	450 x 450	490 x 490	
	365 x 365	375 x 375			
	480 x 480	485 x 485	555 x 555	603 x 603	

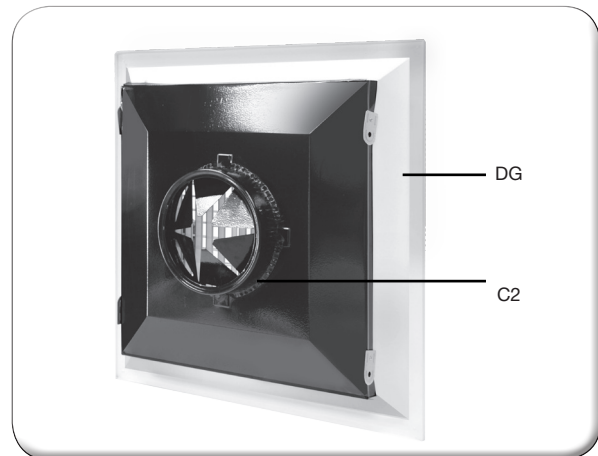
# DG Double Deflection Ceiling Diffuser

## DG + G1 Opposed Blade Damper



- G1 OBD damper is designed for even distribution of air over the entire face of diffuser. It is lever arm operated & adjustable. The damper can be set at fully open, half open & fully close.
- G1 damper are constructed of galvanized steel with matt black as standard finish.
- Height for G1 is 60mm.

## DG + C2 Crown Damper



- C2 Crown damper fitted to the DG diffuser, enable easy installation of flexible duct.
- C2 are constructed of 0.6mm galvanized steel with matt black as standard finish.
- Height for C2 is 60mm.

## DG Performance Data (Square Inlet)

Neck Size (mm) Neck Area (m <sup>2</sup> )	Neck Vel. (m/s)		2.0	2.5	3.0	3.5	4.0	4.5	5.0
	Total Press (mmAq)	22°	0.8	1.4	1.9	2.4	3.2	4.2	5.1
		45°	1.1	2.0	2.5	3.8	5.0	6.4	7.8
200 x 200 (0.04)	CMH		288	360	432	504	576	648	720
	Throw (m)	22°	2.6 - 4.5	3.3 - 5.0	3.9 - 5.6	4.3 - 6.1	4.6 - 6.6	5.0 - 7.0	5.1 - 7.2
		45°	1.6 - 2.7	2.2 - 3.1	2.4 - 3.4	2.7 - 3.7	3.0 - 4.0	3.1 - 4.2	3.3 - 4.5
NC		-	-	-	24	28	30	33	
250 x 250 (0.0625)	CMH		450	563	675	788	900	1013	1125
	Throw (m)	22°	3.3 - 5.4	3.9 - 6.2	4.7 - 6.7	5.4 - 7.4	5.7 - 7.8	6.1 - 8.3	6.5 - 9.0
		45°	2.1 - 3.4	2.6 - 3.9	3.0 - 4.2	3.3 - 4.6	3.5 - 5.0	3.8 - 5.3	4.0 - 5.5
NC		-	-	21	26	29	32	37	
285 x 285 (0.081)	CMH		583	729	875	1020	1166	1312	1458
	Throw (m)	22°	4.0 - 6.9	4.9 - 7.7	6.0 - 8.4	6.6 - 9.0	7.0 - 9.8	7.4 - 10.3	7.8 - 10.9
		45°	2.6 - 4.2	3.2 - 4.7	3.8 - 5.3	4.1 - 5.7	4.4 - 6.1	4.6 - 6.4	5.0 - 6.6
NC		-	-	23	27	32	35	39	
365 x 365 (0.133)	CMH		957	1197	1436	1675	1915	2154	2394
	Throw (m)	22°	4.5 - 8.0	5.6 - 9.0	7.0 - 9.7	7.5 - 10.6	8.0 - 11.2	8.6 - 11.8	9.0 - 12.5
		45°	2.9 - 5.0	3.6 - 5.5	4.3 - 6.0	4.7 - 6.6	5.0 - 6.9	5.3 - 7.4	5.5 - 7.8
NC		-	-	24	29	33	36	40	
480 x 480 (0.225)	CMH		1620	2025	2430	2835	3240	3645	4050
	Throw (m)	22°	7.9 - 13.5	9.6 - 15.2	11.4 - 16.4	12.7 - 17.8	13.8 - 19.2	14.7 - 20.3	15.6 - 21.2
		45°	4.8 - 8.2	6.0 - 9.4	7.2 - 10.3	7.9 - 11.0	8.4 - 11.9	9.0 - 12.9	9.5 - 13.5
NC		-	22	26	31	36	39	41	

- Throw is based on terminal velocities of 0.5 m/s - 0.25 m/s respectively.
- NC value is based on a room absorption of 10 dB, re 10<sup>-12</sup> watts.

- Dash (-) in space indicates NC value less than 20.

## DG Order Code

Model	Materials	Accessories	Face Size	Neck Size
DG	T	C1	B 600 x 600	N 200

Example : DG - T + C1 - B 600 x 600, N 200