

# CAC Square Face Plate Round Ceiling Diffuser



**ASLI CAC** is a type of diffuser consists of several concentric cones that induce concentric flow pattern across the ceiling.

## Materials

**CAC-T** : 0.6mm SPGC galvanized steel, mould pressed.

**CAC-P** : injection moulded ABS Plastic.

## Surface Finish

Baked white powder coat as standard.

## Standard size *Unit : mm*

ø 200 / ø 250 / ø 300 / ø 350

## Patent No

574406

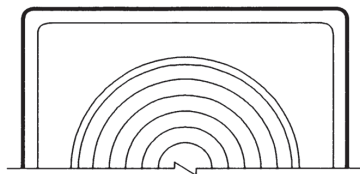
## Features

- Face size is 603mm X 603mm designed for T-bar ceiling mounting.
- Round diffuser: each diffusing cone is mould pressed, no welding joint.

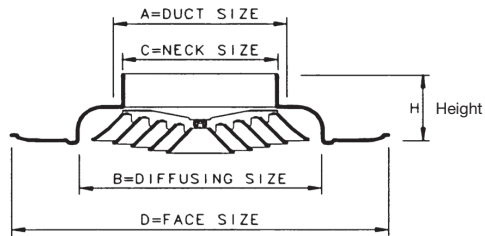
## Accessories

- C1 Radial fan blade damper
- C2 Crown damper

## CAC Physical Dimension *Unit : mm*



Top View

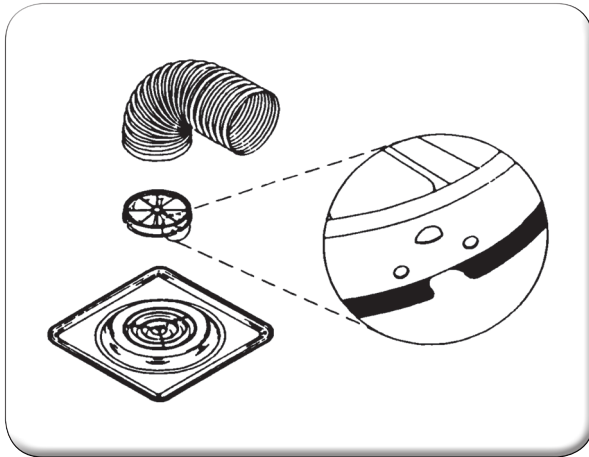


Sectional View

Model	C - Neck Size	A - Duct Size	B - Diffusing Size	D - Face Size	H - Height
CAC	200	210	400	603 x 603	79
	250	260			
	300	310			
	350	360			

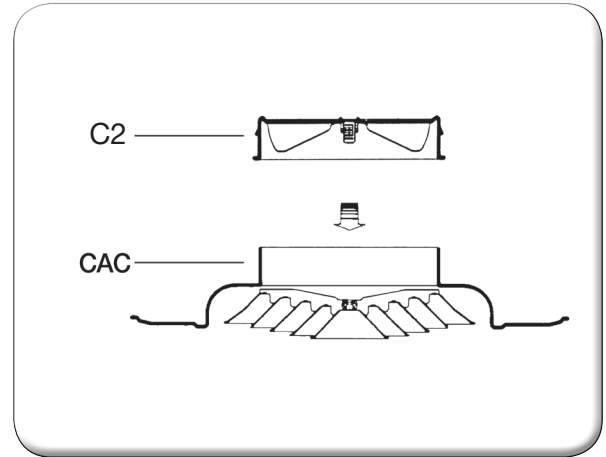
# CAC Square Face Plate Round Ceiling Diffuser

## CAC Round Neck



- The CAC round neck diffuser is fixed to 2x2 ceiling to provide easy installation to round outlet.

## CAC + C2 Crown Damper



- The C1 radial fan blade damper is a volume control adjustable from below by screw driver.
- Mould pressed, 0.6mm thick galvanized steel with matt blade as standard finish.
- Height for CAC + C1 = 79mm.

## CAC Performance Data

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
ø 200 (0.0324)	CMH	233	292	350	408	467	525	583
	Tot. Press	1.0	1.5	1.9	2.2	2.4	3.1	3.7
	Throw (m)	0.6 - 1.0	0.7 - 1.6	0.8 - 1.8	1.0 - 2.2	1.2 - 2.5	1.5 - 2.8	1.8 - 3.0
	NC	-	-	-	22	26	28	32
ø 250 (0.0507)	CMH	365	456	548	640	730	820	913
	Tot. Press	1.0	1.6	2.0	2.2	2.4	3.3	4.0
	Throw (m)	0.6 - 1.3	0.9 - 1.8	1.3 - 2.2	1.6 - 2.6	2.2 - 3.0	2.3 - 3.5	2.4 - 4.0
	NC	-	-	22	26	28	30	35
ø 300 (0.0731)	CMH	526	658	790	920	1052	1158	1315
	Tot. Press	1.1	1.7	2.1	2.3	2.6	3.5	4.2
	Throw (m)	0.8 - 1.8	1.3 - 2.4	1.6 - 2.8	1.9 - 3.3	2.3 - 3.6	2.5 - 4.1	2.8 - 4.7
	NC	-	-	23	28	29	32	36
ø 350 (0.0979)	CMH	705	881	1057	1234	1410	1585	1762
	Tot. Press	1.1	1.7	2.1	2.3	2.5	3.4	4.1
	Throw (m)	1.2 - 2.0	1.6 - 2.6	1.8 - 3.1	2.1 - 3.6	2.5 - 4.2	2.8 - 4.8	3.4 - 5.4
	NC	-	-	23	26	27	31	36

- 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.

## CAC Order Code

Model	Materials	Accessories	Neck Size
CAC	A	C1	N 200

Example : CAC - A + C1 - N 200