

## SQUARE CEILING DIFFUSER



**SCD-VA**

(standard)



**SCD-VB**

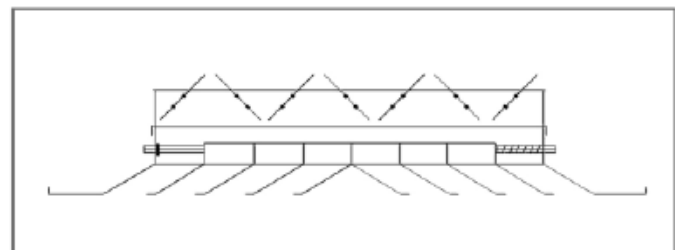
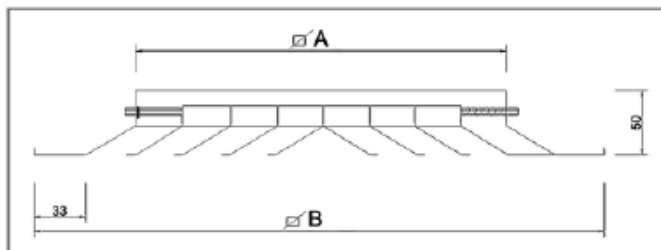
( X Type)



**SCD-VC**

(Ceiling replacement type)

- \* The directions of discharge air can be selected to meet the requirements of room with 1 to 4 way.
- \* Supply air can be oriented to vertically be blades of 1,2,3,4 directions.
- \* They can be used both for supply and return applications.
- \* Depending an architectural demands the face can be square or rectangular.
- \* They are suitable for using in rooms with heights up to 4m.
- \* Material: They can be made of extruded aluminum profiles, or aluminum sheet.
- \* Accessories: Damper, Plenum box.
- \* Mount: by screws, by clips.
- \* Finishing: White powder coating Ra19016, Ra19010, or customized color. Anodized.



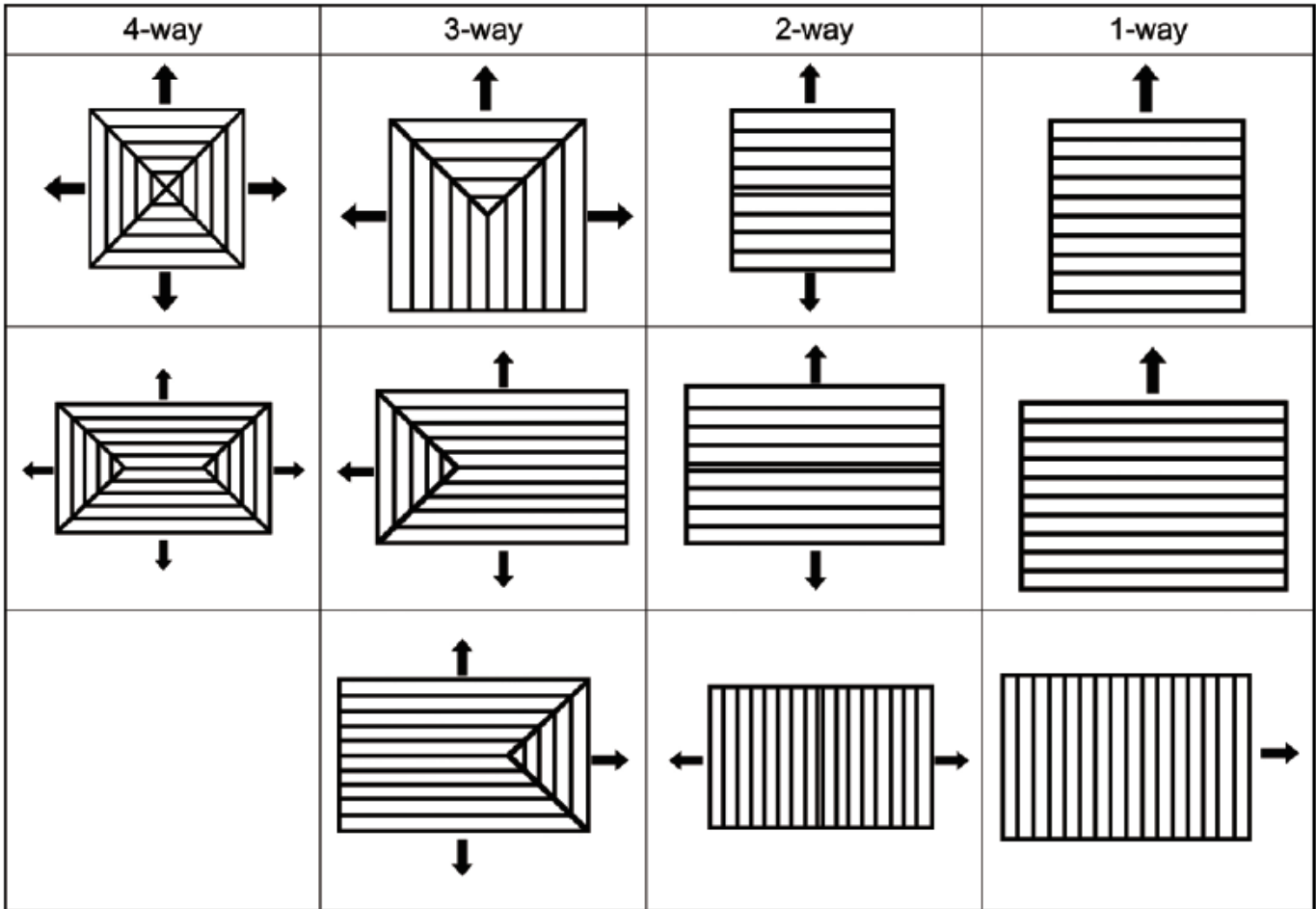
### Selection Tables

Standard sizes AxA(mm)	BxB(mm)	Effective area(m <sup>2</sup> )	Air volume(m <sup>3</sup> /h)	Throw Max. (m)
150x150	295x295	0.014	119	0.90
225x225	370x370	0.028	240	1.40
300x300	445x445	0.049	400	1.70
375x375	520x520	0.069	600	2.00
450x450	595x595	0.097	840	2.40
525x525	670x670	0.130	1120	2.55
600x600	745x745	0.169	1460	2.70

Data were chosen when the air velocity is 2.4m/s and the velocity at throw distance is 0.5m/s

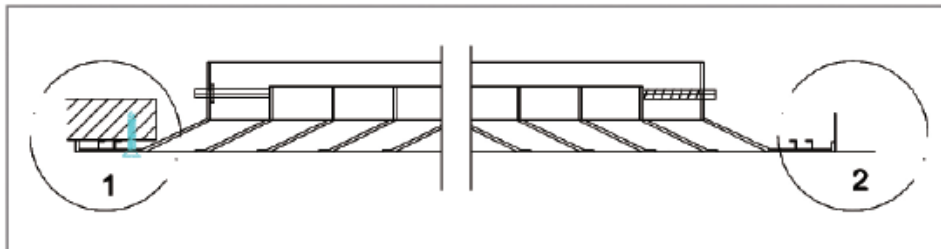
## SQUARE CEILING DIFFUSER

### Types

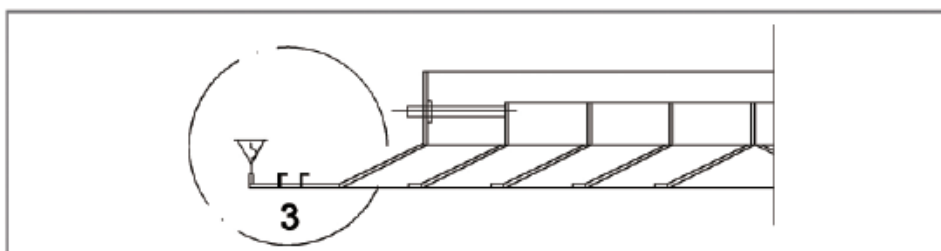


### Mounting

1. Screw mounting
2. Lay-on mounting

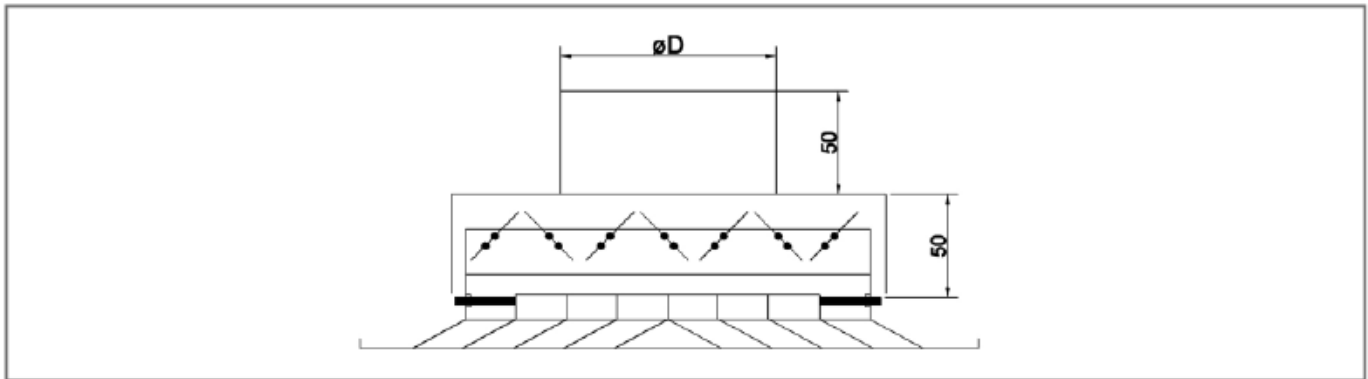


3. Clip-in mounting



# SQUARE CEILING DIFFUSER

## Plenum box / Adaptor



D=95, 145, 195, 245, 295, 345

## Technical data

SCD-VA / VB		AIR VOLUME(m <sup>3</sup> /h)													
Size (mm)	Effective Area(m <sup>2</sup> )		100	200	300	400	500	600	700	800	900	1000	2000	3000	4000
150x150	0.0138	Vk(m/s)	2	4	6.4	-	-	-	-	-	-	-	-	-	-
		Pt(pa)	3.4	9.6	24.7	-	-	-	-	-	-	-	-	-	-
		Lt(m)	-	1.6	2.4	-	-	-	-	-	-	-	-	-	-
		NR	-	23	33	-	-	-	-	-	-	-	-	-	-
225x225	0.0277	Vk(m/s)	-	2	2.9	4	4.8	-	-	-	-	-	-	-	-
		Pt(pa)	-	2.4	4.7	9.6	13.9	-	-	-	-	-	-	-	-
		Lt(m)	-	1.1	1.7	2.3	2.5	-	-	-	-	-	-	-	-
		NR	-	-	20	25	30	-	-	-	-	-	-	-	-
300x300	0.0486	Vk(m/s)	-	-	1.8	2.4	2.8	3.5	4	4.7	5.4	6	-	-	-
		Pt(pa)	-	-	2	3.5	4.7	7.5	9.6	13	17.6	21.7	-	-	-
		Lt(m)	-	-	1.3	1.7	2	2.45	2.5	3.1	3.4	4	-	-	-
		NR	-	-	-	16	21	25	28	31	34	36	-	-	-
375x375	0.0694	Vk(m/s)	-	-	-	1.6	2	2.4	2.7	3	3.4	4	-	-	-
		Pt(pa)	-	-	-	1.5	2.4	3.5	4.7	5.4	7	9.6	-	-	-
		Lt(m)	-	-	-	1.5	1.7	2.1	2.4	2.5	2.7	3.2	-	-	-
		NR	-	-	-	-	15	18	22	24	26	37	-	-	-
450x450	0.0972	Vk(m/s)	-	-	-	-	-	1.7	2	2.3	2.1	2.7	5.5	-	-
		Pt(pa)	-	-	-	-	-	1.5	2.4	3.2	3.5	4.7	19	-	-
		Lt(m)	-	-	-	-	-	1.7	2.3	2.3	2.5	2.6	5	-	-
		NR	-	-	-	-	-	-	16	18	21	24	37	-	-
525x525	0.1296	Vk(m/s)	-	-	-	-	-	-	-	1.8	2	2.2	4.2	6.4	-
		Pt(pa)	-	-	-	-	-	-	-	2	2.4	2.9	10.6	24.7	-
		Lt(m)	-	-	-	-	-	-	-	2	2.3	2.5	4.3	7	-
		NR	-	-	-	-	-	-	-	14	16	18	33	42	-
600x600	0.1692	Vk(m/s)	-	-	-	-	-	-	-	-	-	1.6	3	4.7	-
		Pt(pa)	-	-	-	-	-	-	-	-	-	1.5	5.4	13	-
		Lt(m)	-	-	-	-	-	-	-	-	-	2.3	4	6.5	-
		NR	-	-	-	-	-	-	-	-	-	15	28	36	-