



Louvre Faced ceiling diffusers are manufactured from extruded aluminium to BS 1474. Frames and all blade corners are mitred, welded and finished to give a superior appearance.

CVE Shop louvre faced diffusers are lightweight and will not rust nor corrode. They feature a welded core & frame for strength. They provide excellent diffusion performance, and are suitable for surface mounting in plasterboard ceilings or lay-in ceiling grids (600mm x 600mm grid). Select CVLFD4-450 for tile replacement diffuser.

Free Area 50%

The louvre faced ceiling diffuser is suitable for use where cooling is required in areas of high heat and high humidity, and also to suit heating & cooling applications in cooler temperatures.

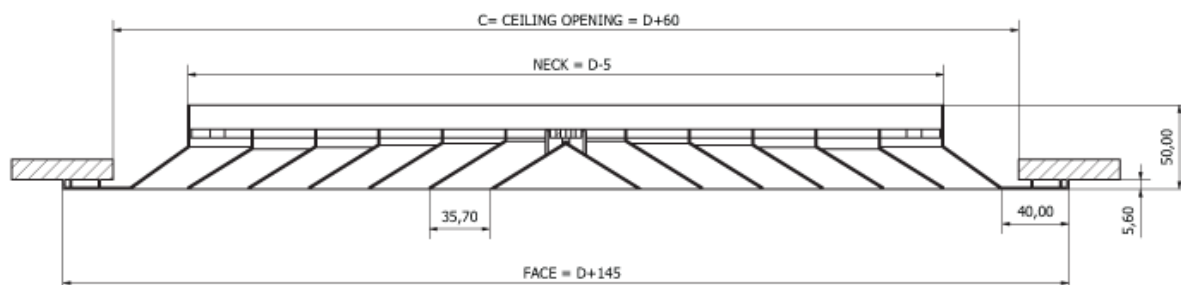
To obtain a varying distribution pattern, triangular blanking plates can be fitted behind the louvre, thus maintaining a uniform face appearance.

The removable core makes them easy to install, clean & access any dampers located behind the diffuser.

Standard finish for this product is RAL9010 White. Also available in Mill, Anodised or alternative powder coated colours to suit your requirements. For special finishes please call for pricing.

Sizes Available / Dimensions

CVE Product Code	Neck Size	Outside Flange 32mm
CVLFD1-150 / CVLFD2-OB-150 / CVLFD2-CS-150 / CVLFD3-150 / CVLFD4-150	150x150mm	295x295mm
CVLFD1-225 / CVLFD2-OB-225 / CVLFD2-CS-225 / CVLFD3-225 / CVLFD4-225	225x225mm	370x370mm
CVLFD1-300 / CVLFD2-OB-300 / CVLFD2-CS-300 / CVLFD3-300 / CVLFD4-300	300x300mm	445x445mm
CVLFD1-375 / CVLFD2-OB-375 / CVLFD2-CS-375 / CVLFD3-375 / CVLFD4-375	375x375mm	520x520mm
CVLFD1-450 / CVLFD2-OB-450 / CVLFD2-CS-450 / CVLFD3-450 / CVLFD4-450	450x450mm	595x595mm



Quick Selection Table

Volumes & Pressures						
Neck Size (mm)	Airflow (L/s)	Velocity (m/s)	Static Pressure Drop (Pa)	NR (dB)	Minimum Throw (m)	Maximum Throw (m)
225	100	2	15	<22	0.5	1.5
	150	3	35	28	1.4	3.2
300	150	1.7	12	<22	0.9	2.7
	200	2.2	19	23	1.4	3.3
	250	2.8	31	26	2.2	4.2
	300	3.3	42	31	2.8	4.6
375	250	1.8	13	<22	1.3	3.4
	300	2.1	18	<22	1.5	3.9
	350	2.5	26	28	1.7	4.6
	400	2.9	32	31	2.1	5
	450	3.2	39	35	2.7	5.2
450	350	1.7	12	25	1.2	3.8
	400	2	15	26	1.4	4.2
	450	2.2	20	29	2	4.8
	500	2.5	25	32	2.7	5.4
	550	2.7	30	33	3.1	5.8
	600	3.0	35	35	3.5	6.2