

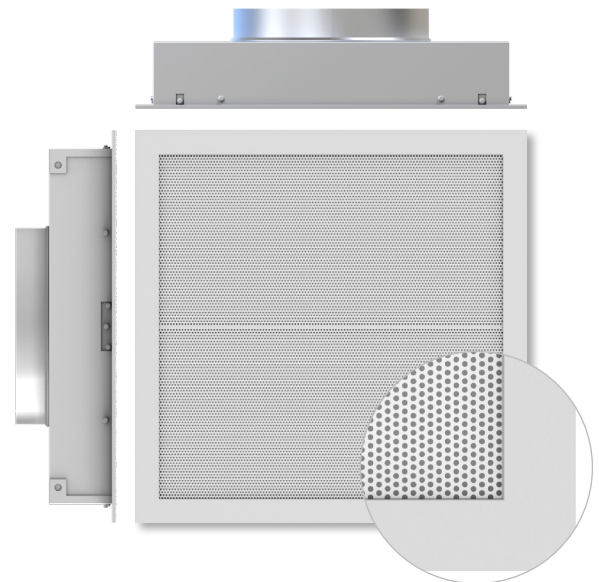


Illustration: Ceiling Install View (upper, right)

CEILING-BASED DISPLACEMENT VENTILATION

The Krueger AFL ceiling mounted displacement diffuser is designed to supply cool air at a low velocity from a suspended ceiling application. The AFL discharges air evenly across the face in a laminar flow pattern with minimal induction of room air.

Designed for lay-in ceiling systems, it installs quickly and easily, which makes it a great solution for retrofit applications where there is little room for wall or floor mounted diffusers.



PRODUCT FEATURES

- For lay-in, suspended ceiling mount applications
- Supplies air at low velocities
- Steel and aluminum extrusion, stainless steel construction also available
- 20 gauge front panel thickness
- Hanger tabs located on each corner of plenum
- Round duct connection at top of unit
- Frame Style: F23, lay-in T-bar
- Inlet Sizes: 6" to 20" in 2" increments
- Optional external insulation
- Finishes: British white, black, or custom match
- Weight: 18lbs (24"x24" size)

COMPETITIVE MODELS

- Nailor – DCF
- Price – DF1L

MANUFACTURING LOCATIONS

- SFD

LEAD TIMES AND AVAILABILITY

- Standard: 6 weeks

WEB SEARCH TERM

- "AFL"

IP/METRIC PERFORMANCE DATA (NO DAMPER)

Unit Size	Inlet Size	Face Velocity	Airflow	Total Pressure	Static Pressure	Noise Criteria	Adjacent Zone (40 fpm)	
							$\Delta T = -5^\circ F$	$\Delta T = -10^\circ F$
							Radius (ft)	Radius (ft)
in.	in.	FPM	cfm	in wg	in wg	NC		
24x12	6	20	25	.004	.003	5	-	-
		30	38	.009	.007	6	2	3
		40	51	.017	.013	6	3	4
		50	64	.027	.020	7	4	5
24x24	8	20	60	.012	.010	5	2	3
		30	90	.028	.023	7	3	4
		40	120	.049	.042	9	4	5
		50	150	.077	.065	10	5	6
48x24	10	20	124	.014	.012	7	4	5
		30	185	.031	.027	12	5	6
		40	247	.055	.048	16	6	6
		50	309	.085	.076	20	6	7

NOTES: Diffuser was mounted in a 9 ft. ceiling with no sidewall entrainment. Adjacent Zone size represents the throw distance in feet from on the floor directly under the diffuser to a terminal velocity of 40 fpm measured at 1" above the floor. ΔT is the temperature difference between the supply air and the room temperature measured at 42" above the floor. NC values are based on Octave Band 2 - 7 sound power levels minus a room absorption of 10dB. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI / ASHRAE Standard 70-1991.