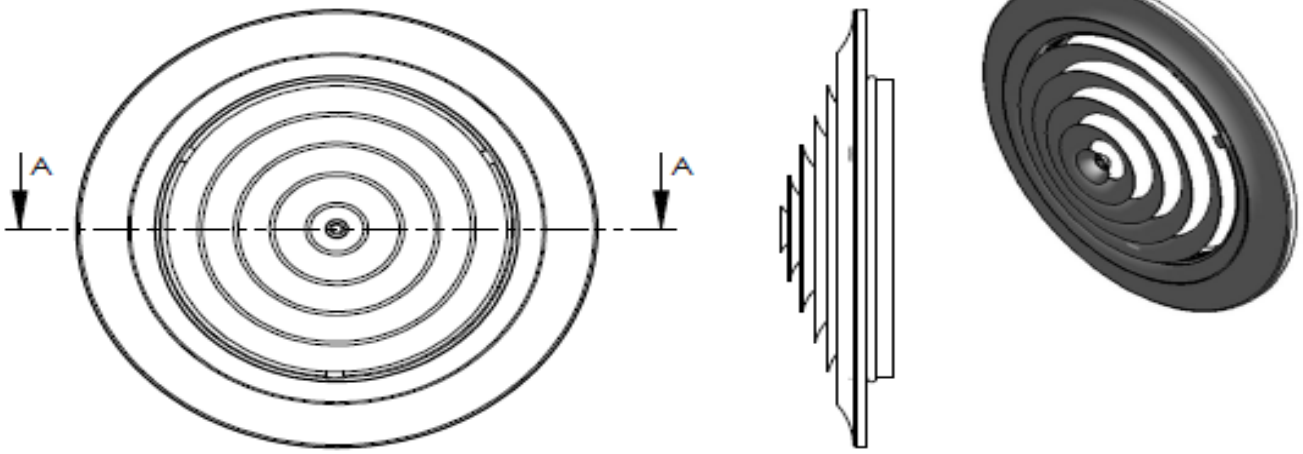
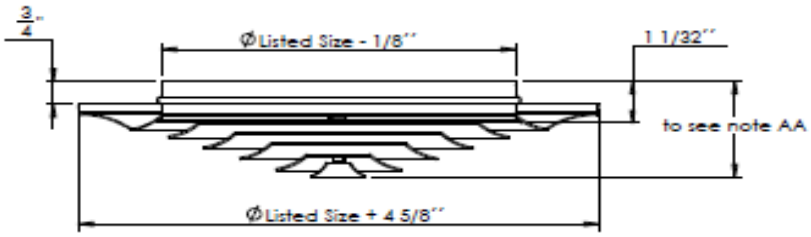


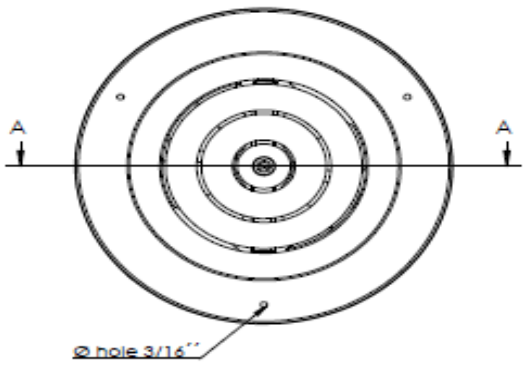


SECCIÓN A-A
ESCALA 1 : 5

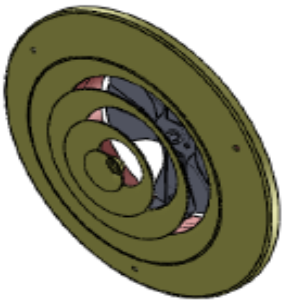
Note AA:
The height vary in accordance with the size.

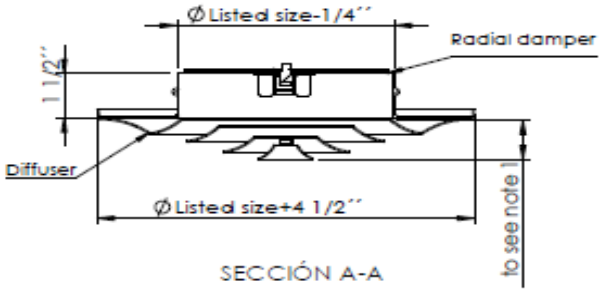
Size Ø	AA
6''	2 7/16''
8''	2 13/16''
10''	3 3/16''
12''	3 1/2''
14''	3 7/8''

Finish
White (Standard)
Other colors (Optional)



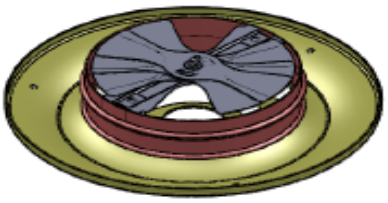
Ísometric





SECCIÓN A-A

Isometric

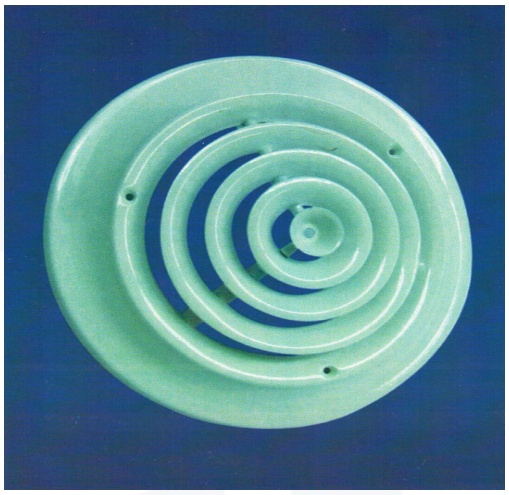


Finish
White (Standard)
Other colors (Optional)

Note 1: The height vary in accordance with the size

Note 2: Avariable in sizes Ø6´´ to 14´´.

SERIES L - DR - 1000 ROUND DIFFUSERS



FEATURES
Economical high performance
All aluminum construction
Matching butterfly damper available

General Information

Series L-DR-1000 low cost, high performance and pleasing appearance make it an excellent ceiling outlet for residntial, apartament and light commercial applications. Series L-DR-1000 air diffusers also offer an ideal solution for air distribution remodeling problems. The outer mounting ring is designed for installation in existing ceiling openings ranging from 6" to 14" in diameter.

Construction

Series L-DR-1000 Diffusers are manufactured entirely of aluminium material. Outer mounting ring is gasketed to prevent air leakage and streaking.
Deep outer cone contour minimizes smudging by keeping air stream away from ceiling adjacent to the diffuser.

PERFORMANCE

Series L- DR1000 Diffusers' dropped cone design provides efficient horizontal air distribution in a radial pattern (360°) at temperature differentials up to 20° F in normal ceiling height applications. In cooling applications of 15° - 20° F optimum performance is achieved with neck velocities up to, but not exceeding 700 FPM. Higher than normal ceilings permit selection at velocitie beyond the 700 FPM range.

FINISH

Standard finish is off-white.

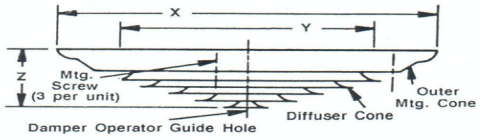
Accessories

Series LD2 Damper is also manufactured entirely of and designed to give jam-free operation for the outlet. Damper operator knob is high impact nylonand may be removed after the system is balanced to prevent tampering 14"model LD is configured as an 8 blade radial opposed blade damper in lieu of the standard 2 blade butterfly style available in sizes 6" - 12".

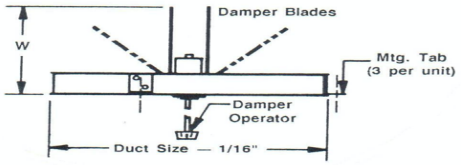
SERIES ROUND DIFFUSERS

Dimensional Data

Series L-DR 1000 Diffuser



Series L-D2 Damper



CFM -cubic feet (air) per minute
PT -total pressure in inches of H_2O
NC -noise criteria, sound pressure level
< -less than NC 20
FPM -neck velocity in feet per minute (Vn)
THROW -distance in feet air travels from outlet at a given terminal velocity (Vt); throw values in table based on terminal velocities of 150, 10 and 65 FPM respectively with residual velocities (Vr) of 75, 50 and 35 FPM.
Vt -air stream terminal velocity in FPM
Vr

Dimensions					
Size	**X**	**Y**	**Z**	**No. Of Cones**	**W**
6	10 1/8	5 13/16	1 7/8	4	3
8	12 1/8	7 13/16	2 3/16	5	4
10	14 1/8	9 13/16	2 1/2	6	5
12	16 1/8	11 13/16	2 13/16	7	6
14	18 1/8	13 13/16	3 1/8	8	6 1/4

PERFORMANCE DATA
Series L-DR-1000

Neck Size										
	FPM	200	300	400	500	600	700	800	900	1000
	Pt	,005	,010	,015	,025	,035	,050	,065	,080	,10
6"	**CFM**	37	55	75	90	110	130	145	165	185
	Throw	3-5	3-5	3-6	3-6	4-6	4-6	4-6	5-7	5-7
	NC	<	<	<	<	20	23	25	25	30
8"	**CFM**	65	100	135	165	200	230	265	300	330
	Throw	4-6	4-6	4-6	5-7	5-8	5-8	5-8	5-9	6-10
	NC	<	<	<	20	25	25	28	30	35
10"	**CFM**	105	160	210	265	315	370	420	475	525
	Throw	4-7	5-8	5-9	5-10	6-11	6-12	7-13	7-14	7-14
	NC	<	<	<	20	25	30	30	35	35
12"	**CFM**	150	230	305	380	455	535	610	685	760
	Throw	5-8	5-9	6-10	6-11	6-12	7-13	7-14	9-16	10-18
	NC	<	<	20	25	25	30	30	35	35
14"	**CFM**	200	310	415	520	625	730	830	935	1040
	Throw	6-9	7-11	8-13	9-14	11-15	12-17	13-19	15-21	18-23
	NC	<	<	20	25	30	30	35	35	40