LSD Series

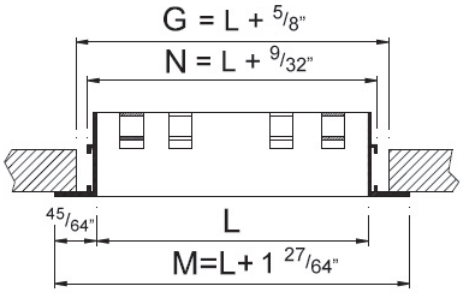
High Induction Linear Slot Diffuser

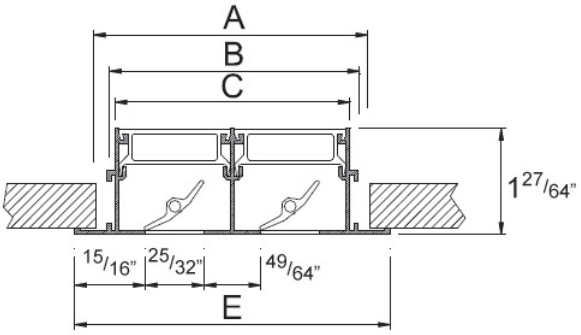
LSD

Material | Extruded aluminum and extruded PVC sectored deflection vanes

Air Pattern | Adjustable

Ceiling Types | Open and Closed

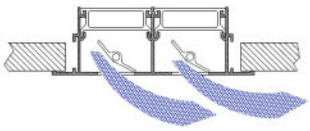




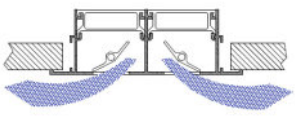
Select Length				
✓	**Standard Length**	**L**	**G**	**M**
	Standard 36″	35 7/16″	36 1/16″	36 27/32″
	Standard 48″	46 19/64″	46 59/64″	47 3/4″
	Standard 60″	59 1/16″	59 11/16″	60 15/32″
	Standard 72″	70 55/64″	71 1/2″	72 9/32″
	Custom (specify) :		L + 5/8″	L + 1 27/64″

Select Number of Slots					
✓	**Nb Slots**	**E**	**A**	**B**	**C**
	1	2 43/64″	2 11/64″	1 27/32″	1 19/32″
	2	4 7/32″	3 47/64″	3 25/64″	3 9/64″
	3	5 49/64″	5 9/32″	4 15/16″	4 45/64″
	4	7 5/16″	6 13/16″	6 31/64″	6 1/4″

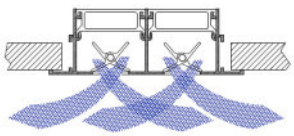
Airflow Balancing



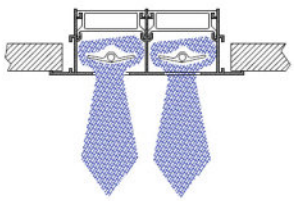
1 Way



2 Way



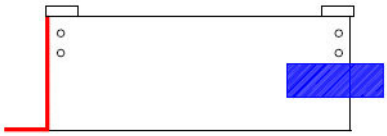
2 Way Alternate (Default)



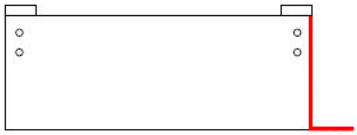
Vertical

Continuous Lengths

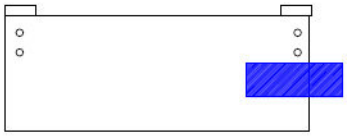
LSD-ARI Left Section (1 alignment strip, 1 end border)



LSD-ARD Right Section (no alignment strip, 1 end border)

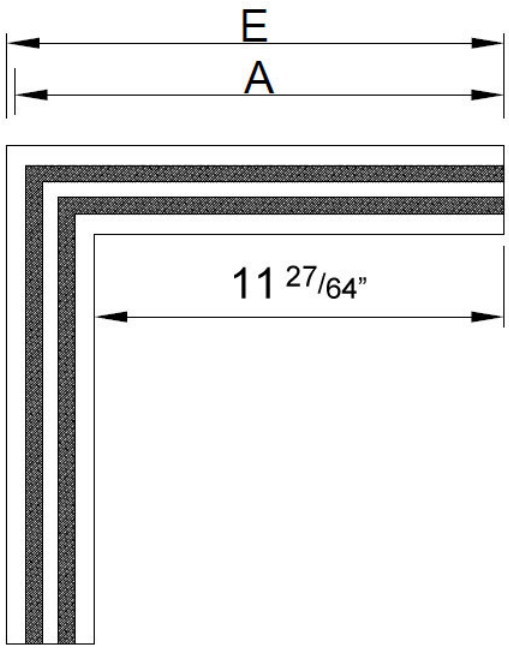


LSD-INT Interior Section (1 alignment strip, no end border)

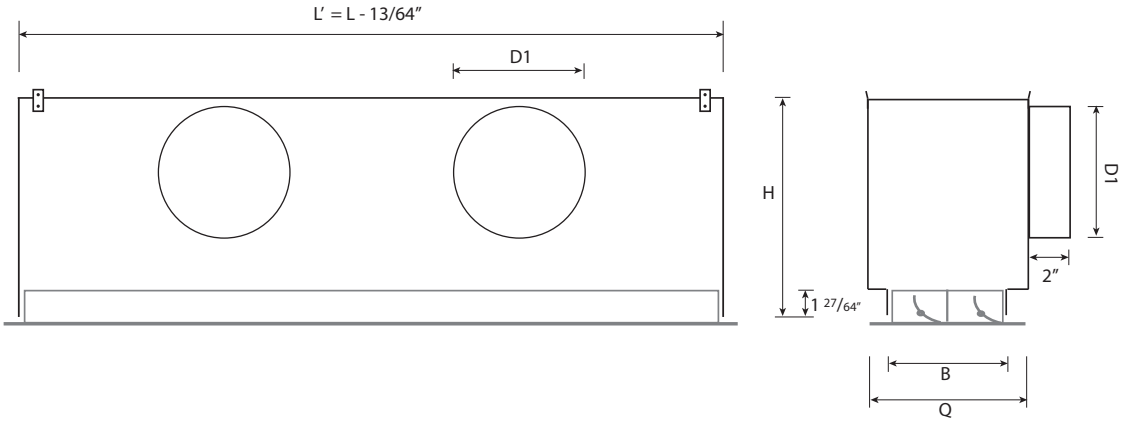


LSD-A90 - Inactive 90° Angle

	Model	Nb of Slots	E	A
	LSD-A90 1	**1**	14 31/64"	14 3/32"
	LSD-A90 2	**2**	16 1/32"	15 5/8"
	LSD-A90 3	**3**	17 19/32"	17 13/64"
	LSD-A90 4	**4**	19 9/64"	18 47/64"



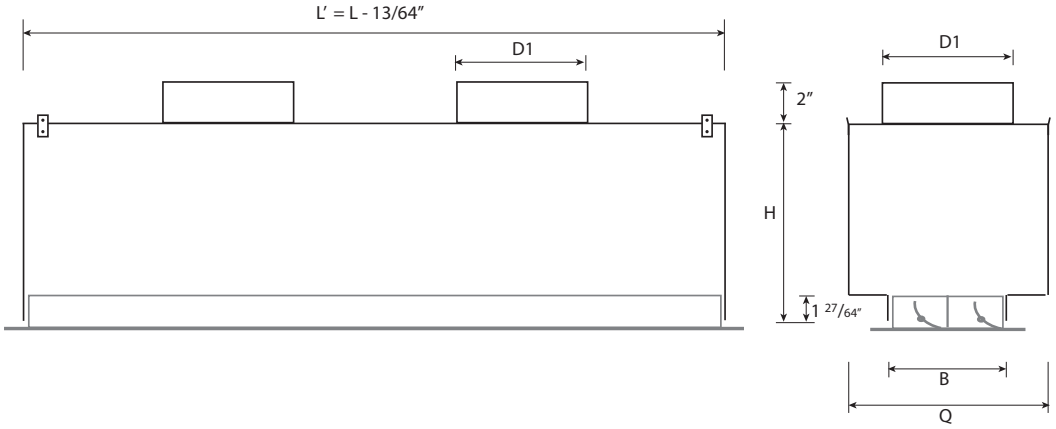
PLSD Plenum (Side Connection)



PLSD Plenum									
Nb Slots		H	B	Q	D1 L ≤ 19 11/16"	D1 L ≤ 39 3/8"	D1 L ≤ 47 1/4"	D1 L ≤ 59 1/16"	D1 L = 78 47/64"
	1	10 5/64"	1 27/32"	2 23/32"	1x 6"D	1x 6"D	1x 6"D	1x 6"D	2x 6"D
	2	10 5/64"	3 25/64"	4 1/4"	1x 6"D	1x 6"D	1x 6"D	2x 6"D	2x 6"D
	3	11 21/32"	4 15/16"	5 25/32"	1x 8"D	1x 8"D	2x 8"D	2x 8"D	2x 8"D
	4	11 21/32"	6 31/64"	7 21/64"	1x 8"D	1x 8"D	2x 8"D	2x 8"D	2x 8"D

For different number or diameter of collars, please order PLSDSP

PLSD-T Plenum (Top Connection)

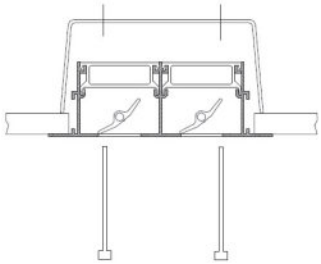


PLSD-T Plenum									
Nb Slots		H	B	Q	D1 L ≤ 19 11/16"	D1 L ≤ 39 3/8"	D1 L ≤ 47 1/4"	D1 L ≤ 59 1/16"	D1 L = 78 47/64"
	1	8"	1 27/32"	6 7/8"	1x 6"D	1x 6"D	1x 6"D	1x 6"D	2x 6"D
	2	8"	3 25/64"	6 7/8"	1x 6"D	1x 6"D	1x 6"D	2x 6"D	2x 6"D
	3	10"	4 15/16"	8 7/8"	1x 8"D	1x 8"D	2x 8"D	2x 8"D	2x 8"D
	4	10"	6 31/64"	8 7/8"	1x 8"D	1x 8"D	2x 8"D	2x 8"D	2x 8"D

For different number or diameter of collars, please order PLSDSP-T

PM Mounting Kit

PM Mounting Kit consists of C shaped clips with long screws. Recommended for installation without plenum.

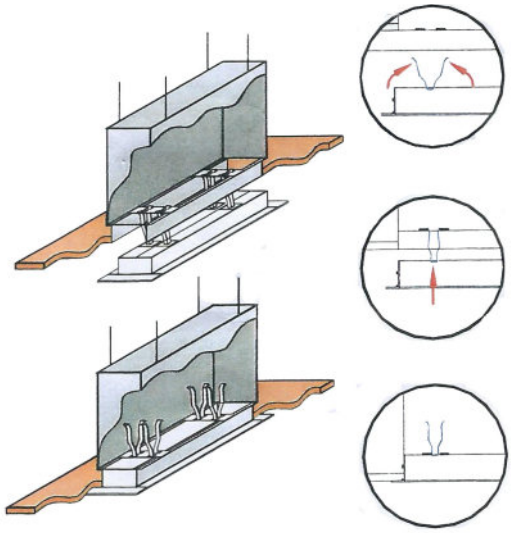


PL Hidden Mounting System

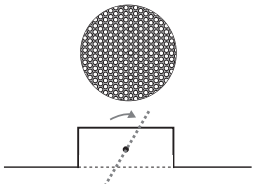
PL Hidden Mounting System consists of spring clips attached to the diffuser and special brackets attached to the plenum.

The clips have a two steps profile. The hooks must first be inserted into the brackets. The hooks secure the product in place, even when submitted to intense vibrations, making it safe for ceiling installation.

The second step only requires to push the diffuser until it lays flush with the gypsum or plenum opening. The spring pressure maintains the product in place.

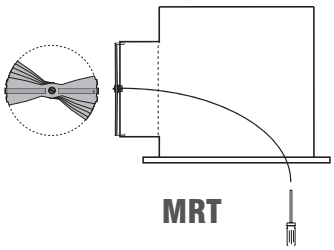


Integrated Air Volume Dampers



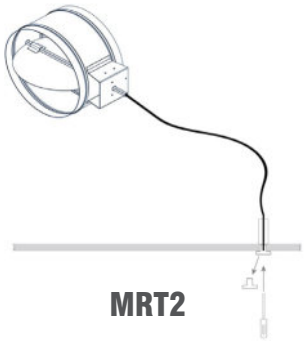
R

Perforated damper + air equalizer



MRT

Manually operated damper, cable inside the plenum, adjustment through face



MRT2

Manually operated damper, cable through drywall with termination fixture

EB

Battery operated electro-balance damper with remote control, cable through face

EB2

Battery operated electro-balance damper with remote control, cable through drywall with termination fixture

Diffuser Face		
	AR	Two End Borders
	ARI	Left End Border Only
	ARD	Right End Border Only
	INT	No End Border (Central Sections)

Airflow Balancing (Optional)		
	W1	1 Way
	W2	2 Way
	W2A	2 Way Alternate (Default)
	V	Vertical

Mounting		
	PL	Concealed Spring Clips (requires PLSD)
	PM	Concealed U Clip
	T	Visible Screws

Sectored Vanes Color		
	AN	Black
	AB	White

Finish		
	/M9016	Powder Coated White RAL 9016 (standard)
	/AA	Anodized in matt silver with black vanes
	/RAL xxxx	Other (specify) :

Plenum			Nb Collar(s)	Diameter
	PLSD	Side connection & hidden spring clips attachment system		
	PLSD-T	Top connection & hidden spring clips attachment system		
	PLSDSP	Special plenum with specific collar(s) size(s), side connection		
	PLSDSP-T	Special plenum with specific collar(s) size(s), top connection		

Neck-Installed Air Volume Damper			Cable Length
	R	Perforated air volume damper/equalizer	
	MRT	Manually operated, cable through face	
	MRT2	Manually operated, drywall termination fixture	
	EB	Electro-balanced, battery powered, cable through face	
	EB2	Electro-balanced, battery powered, termination fixture	

Insulation		
	AL	1/2" Interior Acoustical Liner
	AL1	1" Interior Acoustical Liner
	ALC	1/2" Closed Cell Acoustical Insulation
	R6	2" Exterior R6 Thermal Insulation

Air Equalizing Grid		
	EQ	Perforated plate / air equalizer

Project:

Engineer:

Architect:

Contractor: