SHOEMAKER MANUFACTURING
1.866.940.0696
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Linear Jet Pair Diffuser Submittal

Duct Bracket Mount Frame – Diffuser Only (Type 6)

MODEL: LJP-T6-DO

LJP-T6-DO
DUCT BRACKET MOUNT

Standard Features:

- Jet pair diffuser designed for higher airflow capacity than conventional linear diffusers
- Jets airstream in a vertical direction in ceiling applications or horizontal direction for sidewall applications
- Duct Bracket mount frame style with 1 3/4” flange and flanged end caps
- Multiple fastening locations for each diffuser
- Minimum length 12”
- Unlimited continuous sections available with butt joints
- Soft White

Manufacturing Requirements:

Length _____ ☐ feet ☐ inches

☐ Supply – Adjustable split 2-piece Jet Pair controllers for directional air volume control (LJP-T6-S)

☐ Return – less controller (LJP-T6-R)

Number of slots: ☐ 1 ☐ 2

Slot Width: ☐ 1" ☐ 1½" ☐ 2" ☐ 2½" ☐ 3"

Options:

☐ Flat end caps

☐ 90° Mitered corners

Finishes:

STANDARD COLORS

☐ Soft White
☐ Driftwood Tan
☐ Mill Finish

DESIGNER COLORS

☐ Black
☐ Bronze
☐ Storm Gray
☐ Cement Gray
☐ Aluminum Paint
☐ Coffee Tan
☐ Warm White
☐ Glossy White

Dimensions (in inches)

# OF SLOTS	SLOT WIDTH (A)	OVERALL WIDTH (B)	WIDTH OF BACK (C)
1	1	4 1/2	3 1/8
	1 1/2	5	3 5/8
	2	5 1/2	4 1/8
	2 1/2	6	4 5/8
	3	6 1/2	5 1/8
2	1	7 1/2	6 1/8
	1 1/2	8 1/2	7 1/8
	2	9 1/2	8 1/8
	2 1/2	10 1/2	9 1/8
	3	11 1/2	10 1/8

Note ID lengths 1/4" undersized nominal

Install Notes:

Plenum must be installed before diffuser install. The Type 6 Duct Mount is an effective and quick mounting mechanism. Attach the duct bracket to the LJP-T6 only tapping the fastening screws enough to hold the LJP-T6 and bracket together. Once the brackets have been attached to the LJP-T6 and the unit is set into place, the duct brackets will snap into position. The rolled edges of the duct support the duct bracket, holding it in place, while the fastening screws are threaded in the remainder of the way to pull the LJP-T6 tight to the finished surface. Duct brackets and mounting screws will ship with the LJP-T6.

Additional Information:

Project / Location:	Submittal Notes
Engineer:	
Architect:	
Contractor:	

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Linear Jet Bar Diffuser Submittal

Duct Bracket Mount Frame with Metal Plenum (Type 6)

MODEL: LJP-T6-SDP, LJP-T6-DP

LJP-T6-SDP
DUCT BRACKET MOUNT

LJP-T6-DP
DUCT BRACKET MOUNT

Dimensions (in inches)				
# OF SLOTS	SLOT WIDTH (A)	OVERALL WIDTH (B)	SDP WIDTH (J)	DP WIDTH (K)
1	1	4 1/2	3 3/4	4 3/4
	1 1/2	5	4 1/4	5 1/4
	2	5 1/2	4 3/4	5 3/4
	2 1/2	6	5 1/4	6 1/4
	3	6 1/2	5 3/4	6 3/4
2	1	7 1/2	6 3/4	7 3/4
	1 1/2	8 1/2	7 3/4	8 3/4
	2	9 1/2	8 3/4	9 3/4
	2 1/2	10 1/2	9 3/4	10 3/4
	3	11 1/2	10 3/4	11 3/4

Note: Diffuser ID lengths 1/4" undersized nominal. Metal plenum manufactured to nominal dimensions. If duct opening is 48", plenum will be 48" and diffuser will be 47-3/4".

LINEAR JET PAIR DIFFUSER Standard Features:

- Jet pair diffuser designed for higher airflow capacity than conventional linear diffusers
- Jets airstream in a vertical direction for ceiling applications or horizontal direction in sidewall applications
- Duct Bracket mount frame style with 1 3/4" flange and flanged end caps
- Multiple fastening locations for each diffuser
- Minimum length 12"
- Unlimited continuous sections available with butt joints
- Soft White

Manufacturing Requirements:

Length _____ ☐ feet ☐ inches

☐ Supply – Adjustable split 2-piece Jet Pair controllers for directional air volume control (LJP-T6-S)

☐ Return – less controller (LJP-T6-R)

Number of slots: ☐ 1 ☐ 2

Slot Width: ☐ 1" ☐ 1½" ☐ 2" ☐ 2½" ☐ 3"

Options:

☐ Flat end caps

☐ 90° Mitered corners

Finishes:

☐ Soft White

☐ Driftwood Tan

☐ Mill Finish

☐ Designer Color _____

METAL PLENUM Standard Features:

- 24 gauge galvannealed steel plenum, with hemmed rail
- Minimum length 12" and maximum single piece length is 6'
- Metal plenum ships separately from diffuser and requires field assembly

Manufacturing Requirements:

☐ Short Distribution Plenum – SDP (standard, height set at 9")

☐ Distribution Plenum – DP (height = inlet diameter + 4")

Internal insulation: ☐ ½" fiberglass (std) – L ☐ ½" fiberglass w/foil back– LEX ☐ Closed cell – C

External insulation: ☐ ½" fiberglass w/foil back (std) – EX ☐ 1" fiberglass – 1" – EX1

☐ No insulation – N

Oval inlet sizes: ☐ 5" ☐ 6" ☐ 7" ☐ 8" ☐ 10" ☐ 12" ☐ 14" ☐ 16" (SDP and DP)

Round inlet sizes: ☐ 5" ☐ 6" ☐ 7" ☐ 8" ☐ 10" ☐ 12" ☐ 14" ☐ 16" (DP only)

☐ No inlet (SDP and DP)

Options:

Damper: ☐ Rod ☐ Twist ☐ Cord

☐ Perforated steel baffle* – Type A - #69

☐ Solid steel baffle* – Type B - #70

*Optional performance baffles improve comfort in short throw applications by widening the spread of the discharge air

Install Notes Metal Plenum must be installed before the diffuser is installed.The Type 6 Duct Mount is an effective and quick mounting mechanism. Attach the duct bracket to the LJP-T6 only tapping the fastening screws enough to hold the LJP-T6 and bracket together. Once the brackets have been attached to the LJP-T6 and the unit is set into place, the duct brackets will snap into position. The rolled edges of the duct support the duct bracket, holding it in place, while the fastening screws are threaded in the remainder of the way to pull the LJP-T6 tight to the finished surface. Duct brackets and mounting screws will ship with the LJP-T6.

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Project / Location:

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Contractor:

Submittal Notes

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Commercial Submittal

Mitered Corner
Linear Jet Bar (1 Slot Configuration)

LJP Mitered Corner
1 Slot Types 2, 4

Dimensions (in inches)			
	Type 2, 4		
SLOT WIDTH	(L)	(B)	(D)
1	9	4 1/2	4 1/2
1 1/2	9	5	4
2	9	5 1/2	3 1/2
2 1/2	9	6	3
3	9	6 1/2	2 1/2

LJP Mitered Corner
1 Slot Type 3

Dimensions (in inches)			
	Type 3		
SLOT WIDTH	(L)	(B)	(D)
1	10	5 1/2	4 1/2
1 1/2	10	6	4
2	10	6 1/2	3 1/2
2 1/2	10	7	3
3	10	7 1/2	2 1/2

Additional Information:

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Commercial Submittal

Mitered Corner
Linear Jet Bar (2 Slot Configuration)

LJP Mitered Corner
2 Slot Types 2, 4,

Dimensions (in inches)			
	Type 2, 4		
SLOT WIDTH	(L)	(B)	(D)
1	18	7 1/2	10 1/2
1 1/2	18	8 1/2	9 1/2
2	18	9 1/2	8 1/2
2 1/2	18	10 1/2	7 1/2
3	18	11 1/2	6 1/2

LJP Mitered Corner
2 Slot Type 3

Dimensions (in inches)			
	Type 3		
SLOT WIDTH	(L)	(B)	(D)
1	19	8 1/2	10 1/2
1 1/2	19	9 1/2	9 1/2
2	19	10 1/2	8 1/2
2 1/2	19	11 1/2	7 1/2
3	19	12 1/2	6 1/2

Additional Information:

Project / Location:	Submittal Notes
Engineer:	
Architect:	
Contractor:	