SHOEMAKER MANUFACTURING
1.866.940.0696
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Linear Jet Pair Diffuser Submittal

Surface Mount Frame – Diffuser Only (Type 4)

MODEL: LJP-T4-DO

LJP-T4-DO
SURFACE 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 in sidewall applications
- Surface mount frame style with 1 3/4” flange. Countersunk mounting holes for flush appearance with flanged end caps and color matching Philips Pozidriv screws
- 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-T4-S)

☐ Return – less controller (LJP-T4-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

Additional Information:

Project / Location:

Engineer:

Architect:

Contractor:

Submittal Notes

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Linear Jet Pair Diffuser Submittal

Surface Mount Frame with Fiberglass Plenum (Type 4)

MODEL: LJP-T4-FP

LJP-T4-FP
SURFACE 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 in sidewall applications
- Surface mount frame style with 1 3/4" flange. Countersunk mounting holes for flush appearance with flanged end caps and color matching Philips Pozidriv screws
- Rigid fiberglass plenum, allows for multiple locations of field installed spin in collar (collar provided by others)
- Fiberglass plenum ships installed on 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-T4-S)

☐ Return – less controller (LJP-T4-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 (D)
1	1	4 1/2	4 1/8
	1 1/2	5	4 5/8
	2	5 1/2	5 1/8
	2 1/2	6	5 5/8
	3	6 1/2	6 1/8
2	1	7 1/2	7 1/8
	1 1/2	8 1/2	8 1/8
	2	9 1/2	9 1/8
	2 1/2	10 1/2	10 1/8
	3	11 1/2	11 1/8

Note ID lengths 1/4" undersized nominal

Additional Information:

Project / Location:

Engineer:

Architect:

Contractor:

Submittal Notes

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Linear Jet Pair Diffuser Submittal

Surface Mount Frame with Metal Plenum (Type 4)

MODEL: LJP-T4-SDP, LJP-T4-DP

LJP-T4-SDP
SURFACE MOUNT

LJP-T4-DP
SURFACE MOUNT

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

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 BAR DIFFUSER 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 in sidewall applications
- Surface mount frame style with 1 3/4" flange. Countersunk mounting holes for flush appearance with end flanges and color matching Philips Pozidriv screws
- 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-T4-S)

☐ Return – less controller (LJP-T4-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
- 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:

☐ Rod controlled damper

☐ Twist controlled damper

☐ Cord controlled damper

☐ 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

Additional Information:

Project / Location:

Engineer:

Architect:

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:

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

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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:	