Critical environments

The All-Fabric XL D-Fuser product is a fabric terminal diffusion device that includes a fabric assembly and snap frame for installation to a flat ceiling. The airflow patterns generated by the unique combination of permeable Rx200 fabric and face shape, data provided includes measurements for both the horizontal and vertical throw for both end and side orientation.
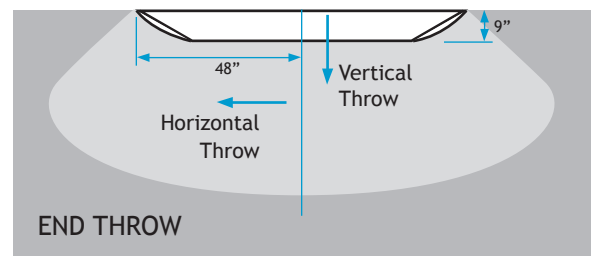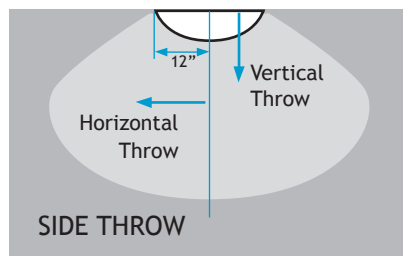
24x96 All-Fabric XL: Surround-Flow, Rx200

Panel Size		Inlet Dia (in)	Airflow (CFM)	Neck Vel. (FPM)	Pt (in w.g.)	Ps (in w.g.)	NC
W (in)	L (in)						
24	96	16	1000	716	.10	.07	18
			1250	895	.15	.10	26
			1500	1074	.20	.14	32
			1750	1253	.26	.16	36
			2000	1432	.33	.20	40

Isothermal Airflow	SIDE Horizontal Throw			SIDE Vertical Throw			END Horizontal Throw			END Vertical Throw			
CFM	100	75	50	100	75	50	100	75	50	100	75	50	FPM
1000	*	*	*	*	*	*	*	*	3.5	*	*	1.0	
1250	*	*	*	*	*	*	*	3.5	4.6	*	1.0	3.1	
1500	*	*	1.5	*	*	2.4	*	4.5	5.1	*	2.0	3.1	
1750	*	*	1.5	*	*	2.4	3.0	4.5	5.5	1.0	2.3	3.1	
2000	*	*	3.3	*	*	2.0	4.0	5.6	6.0	2.0	2.4	3.4	

Distance in Ft.

Throw distance (ft) is measured from the center of the device. Throw distance may appear extended due to length of device. Deduct 1/2 total length or width to calculate throw from end of actual device or fabric.

12"
Vertical Throw
Horizontal Throw
SIDE THROW

9"
48"
Vertical Throw
Horizontal Throw
END THROW

Performance Notes:

1. Units were tested in accordance with ASHRAE Standard 70-1991 "Method of Testing for Rating the Performance of Air Outlets and Inlets."

2. Independant testing was performed to establish performance data. Test data was prepared by an independant ETL certified laboratory.

3. Test data reflects performance of DuctSox Rx200 fabric.

4. Noise Criteria (NC) values based on a 10 dB room absorption. Actual values may vary depending on site conditions ["- -" = <15 NC].

5. Asterisk (*) indicated that the designated airflow velocity was not observed.

DUCTSOX®
Textile Air Dispersion Products

www.ductsox.com

CEAFXLRX-2496-PERF-A-200

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Critical
environments

The All-Fabric XL D-Fuser product is a fabric terminal diffusion device that includes a fabric assembly and snap frame for installation to a flat ceiling. The airflow patterns generated by the unique combination of permeable Rx100 fabric and face shape, data provided includes measurements for both the horizontal and vertical throw for both end and side orientation.
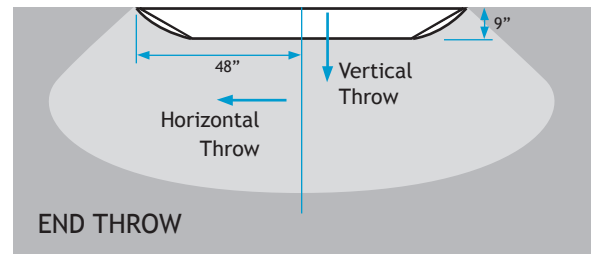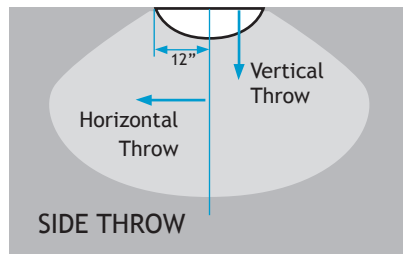
24x96 All Fabric XL: Surround-Flow, Rx100

Panel Size		Inlet Dia (in)	Airflow (CFM)	Neck Vel. (FPM)	Pt (in w.g.)	Ps (in w.g.)	NC
W (in)	L (in)						
24	96	16	500	358	.09	.08	- -
			750	537	.15	.13	- -
			1000	716	.21	.18	19
			1250	895	.28	.23	26
			1500	1074	.36	.29	32

Isothermal Airflow	SIDE Horizontal Throw			SIDE Vertical Throw			END Horizontal Throw			END Vertical Throw			
CFM	75	50	25	75	50	25	75	50	25	75	50	25	FPM
500	*	*	*	*	*	*	*	*	*	*	*	*	
750	*	*	1.5	*	*	1.1	*	*	2.0	*	*	1.0	
1000	*	*	2.0	*	*	1.1	*	*	5.5	*	*	1.1	Distance in Ft
1250	*	*	2.0	*	*	1.5	*	*	6.0	*	*	2.0	
1500	*	*	2.0	*	*	2.0	*	3.5	7.5	*	1.0	3.0	

Throw distance (ft) is measured from the center of the device. Throw distance may appear extended due to length of device. Deduct 1/2 total length or width to calculate throw from end of actual device or fabric.

12"
Vertical Throw
Horizontal Throw
SIDE THROW

9"
48"
Vertical Throw
Horizontal Throw
END THROW

Performance Notes:
1. Units were tested in accordance with ASHRAE Standard 70-1991 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Independant testing was performed to establish performance data. Test data was prepared by an independant ETL certified laboratory.
3. Test data reflects performance of DuctSox Rx100 fabric.
4. Noise Criteria (NC) values based on a 10 dB room absorption. Actual values may vary depending on site conditions ["- -" = <15 NC].
5. Asterisk (*) indicated that the designated airflow velocity was not observed.

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