

MODEL

- PRISM - Steel, architectural ceiling diffuser with arcuate plaque face and optional center appliqué

FEATURES

- High induction, 4-way horizontal blow pattern
- Faceplate retrofits with most existing snap-in, perforated diffusers without removal of backpan or duct work
- 9 standard appliqué colors to match interior decor

INLET SIZES

- Round: 6" - 16" (2" increments)
- Square: 6"x6" - 14"x14" (2" increments)

FRAME STYLES

- F22 - Surface mount ¹
- F23 - Lay-in T-bar

PANEL SIZE

- 24"x24"

COMPATIBLE OPTIONS AND ACCESSORIES

- PRISMAPP - Center appliqué
- PR10 - Steel, radial opposed blade damper
- PRN100 - Steel, radial fan damper
- RP12 - Steel, butterfly bladed damper
- PRD10 - Steel, radial opposed blade damper (duct mount)
- PRD100 - Steel, radial fan damper (duct mount)
- PR12 - Steel, butterfly bladed damper (duct mount)
- RSG15 - Steel, round straightening grid (duct mount)
- PRSG15 - Steel, round straightening grid
- OBD - Steel, square or rectangular damper
- 5OBD - Aluminum, square or rectangular damper
- POBD - Steel, square or rectangular painted damper
- OBDDM - Steel, square or rectangular damper (duct mount)
- EX8 - Steel duct extractor with 1" blade spacing (duct mount)
- EX88 - Steel duct extractor with 2" blade spacing (duct mount)
- HCF23 - Steel, hard ceiling frame (F23 only)
- 5HCF23 - Aluminum, hard ceiling frame (F23 only)
- SSG - Steel, square or rectangular straightening grid

NOTES:

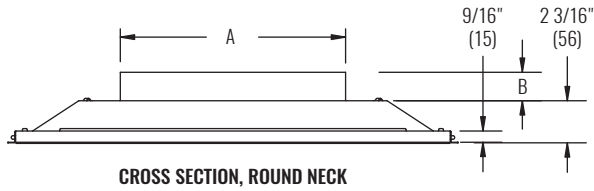
- ¹ F22 option includes separate plaster frame shipped loose for field installation.



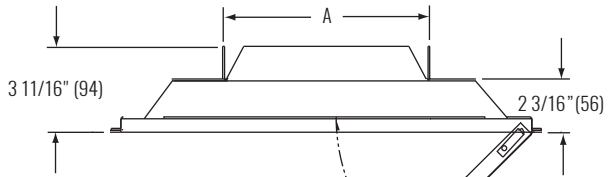
PRISM WITH CENTER APPLIQUÉ



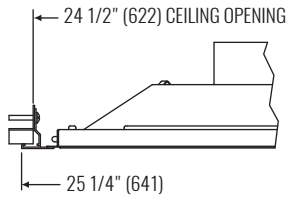
DIMENSIONAL DATA



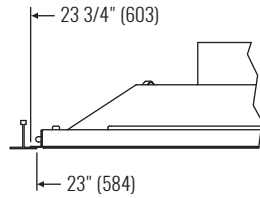
CROSS SECTION, ROUND NECK



CROSS SECTION, SQUARE NECK



FRAME 22, SURFACE MOUNT



FRAME 23, LAY-IN T-BAR

SPRING
RETAINER

NOTES: Dimensions in parentheses are millimeters (mm). See table below for dimensional references.

PERFORMANCE, DESIGN, AND DIMENSIONAL DATA

SIZE		PERFORMANCE - HORIZONTAL THROW				DESIGN			DIMENSIONS		
PANEL	NOMINAL INLET	NC (< 25)		NC (25 - 40)		CFM @ NC=30	SPACING @ 0.6 CFM/sf (ft)	MINIMUM CFM/sf	SQUARE	ROUND	
		CFM	THROW (ft)	CFM	THROW (ft)				A	A	B
24"x24"	6"	39 - 185	3 - 11	196 - 300	11 - 14	225	17	0.35	5 7/8" (149)	5 7/8" (149)	1" (25)
	8"	70 - 300	4 - 14	314 - 485	15 - 18	360	24	0.33	7 7/8" (200)	7 7/8" (200)	1" (25)
	10"	109 - 436	6 - 17	465 - 700	17 - 21	525	28	0.30	9 7/8" (251)	9 7/8" (251)	1 1/2" (38)
	12"	157 - 580	7 - 19	628 - 930	20 - 24	720	33	0.32	11 7/8" (302)	11 7/8" (302)	1 1/2" (38)
	14"	214 - 748	8 - 22	855 - 1176	23 - 27	940	38	0.35	13 7/8" (352)	13 7/8" (352)	1 1/2" (38)
	16"	279 - 977	9 - 25	1025 - 1536	26 - 31	1150	42	0.38	N/A	15 7/8" (404)	1 1/2" (38)

NOTES: Information shown is abbreviated. See website for complete information. Dimensions in parentheses are millimeters (mm). Throw value ranges are given for isothermal conditions, unless otherwise noted, and a terminal velocity of 50 FPM (0.25 m/s). NC ranges are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10⁻¹² Watts. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Design spacing is recommended distance between diffusers in an open plan office based on ADPI > 80%, 9ft ceiling, and 55°F discharge at 30 NC and 0.6 CFM/sf. Minimum CFM/sf is based on recommended spacing at 80% ADPI. Design recommendations not applicable to vertical throw. "N/A" in design table denotes situations which do not result in ADPI>80% and are therefore not recommended.