

MODELS

- PLQR - Steel, architectural ceiling diffuser with round plaque

FEATURES

- 360° radial discharge air pattern
- Round faceplate, removable for easy access to duct and damper
- Reduced pressure drops
- Quiet sound profile

INLET SIZES

- Round: 6", (7")¹, 8", (10", 12", 14", 15")²

FRAME STYLES

- F22 - Surface mount
- F23 - Lay-in T-bar
- F24 - Snap-in T-bar
- F98 - Narrow-T²

PANEL SIZES

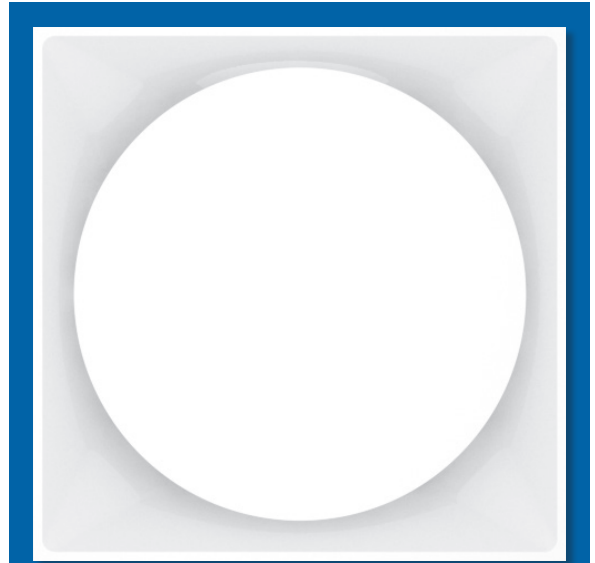
- 12"x12"
- 20"x20" (available for PLQ only)
- 24"x24"

COMPATIBLE OPTIONS AND ACCESSORIES

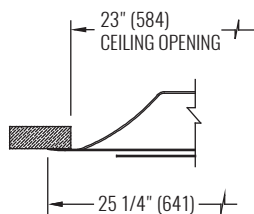
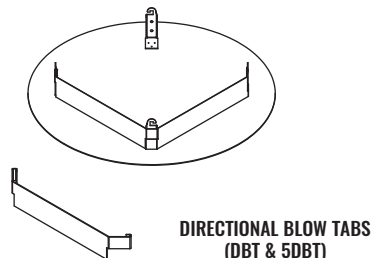
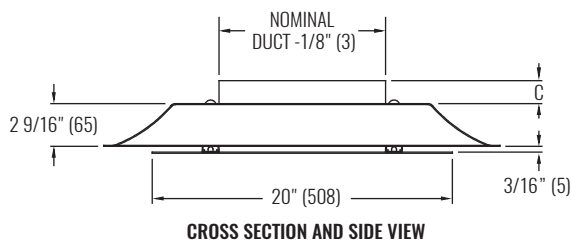
- R6 - Rigid R-6 fiberglass backing
- PR10 - Steel, radial opposed blade damper
- PRN100 - Steel, radial fan damper
- RP12 - Steel, butterfly bladed damper
- PRD10 - Steel, radial opposed blade damper (duct mount)
- PRD100 - Steel, radial fan damper (duct mount)
- PR12 - Steel, butterfly bladed damper (duct mount)
- RSG15 - Steel, round straightening grid (duct mount)
- PRSG15 - Steel, round straightening grid
- 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)
- DBT - Steel, directional blow tab
- 5DBT - Aluminum, directional blow tab

NOTES:

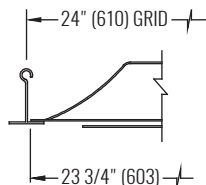
- ¹ Available with 12"x12" panel only.
- ² Available with 24"x24" panel only.



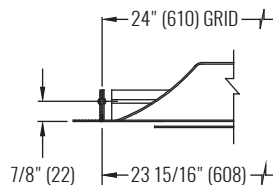
DIMENSIONAL DATA



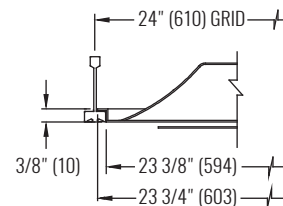
FRAME 22, SURFACE MOUNT



FRAME 23, LAY-IN T-BAR



FRAME 24, SNAP-IN T-BAR 1



FRAME 98, NARROW-T 1

NOTES: Dimensions in parentheses are millimeters (mm). Illustrations shown are for 24"x24" panel. 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	C
		CFM	THROW (ft)	CFM	THROW (ft)				
12"x12"	6"	39 - 196	3 - 10	216 - 350	11 - 14	245	20	0.18	1 1/8" (29)
	7"	53 - 214	3 - 11	241 - 400	11 - 15	270	22	0.19	1 1/8" (29)
	8"	70 - 250	4 - 12	270 - 455	12 - 16	315	24	0.20	1 1/4" (32)
24"x24"	6"	39 - 170	2 - 7	177 - 290	7 - 10	200	18	0.22	1 1/8" (29)
	8"	70 - 260	3 - 9	279 - 435	9 - 12	315	20	0.25	1 1/4" (32)
	10"	109 - 350	4 - 11	370 - 600	11 - 14	425	22	0.26	1 3/8" (35)
	12"	157 - 430	5 - 12	471 - 785	12 - 16	550	26	0.27	1 3/8" (35)
	14"	214 - 560	6 - 13	600 - 962	14 - 18	700	30	0.28	1 3/8" (35)
	15"	245 - 614	7 - 14	660 - 1030	15 - 18	740	34	0.29	1 3/8" (35)

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.