PLQIMP / 5PLQIMP

Square Plaque Face Diffuser, Integrated Multi-port Ring

MODEL

- PLQIMP - Steel, architectural ceiling diffuser with square plaque and integrated multi-port ring
- 5PLQIMP - Aluminum, architectural ceiling diffuser with square plaque and integrated multi-port ring

FEATURES

- Integral multi-port diffusion ring
- Significantly increases room air mixing
- Excellent choice for VAV applications
- High induction at diffuser face
- Low pressure drop ensures efficient system design
- Removable square faceplate provides easy access to duct and damper

INLET SIZES

- Round: 6” - 14” (2” increments)

FRAME STYLES

- F23 - Lay-in T-bar
- F22 - Surface mount
- F24 - Snap-in T-bar [1]
- F98 - Narrow-T [1]

PANEL SIZE

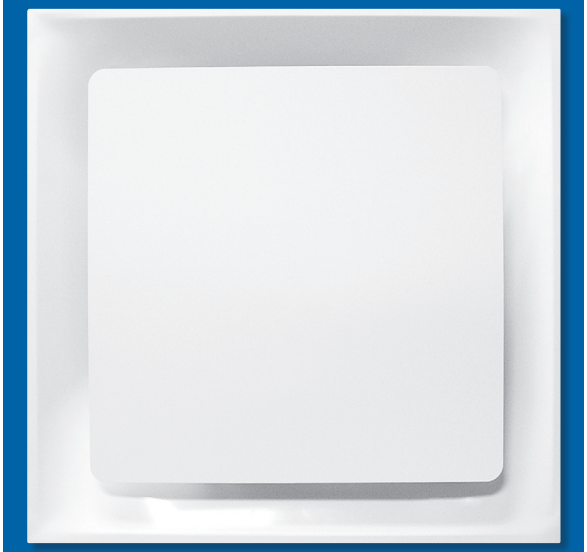
- 24”x24”

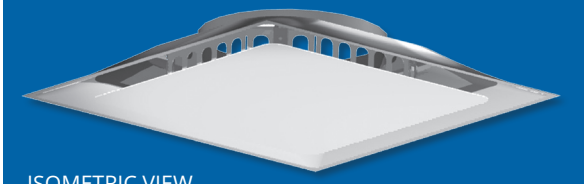
COMPATIBLE OPTIONS AND ACCESSORIES

- R6 - Rigid R6 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 PLQIMP only.





ISOMETRIC VIEW

WEB SEARCH: PLQIMP or 5PLQIMP

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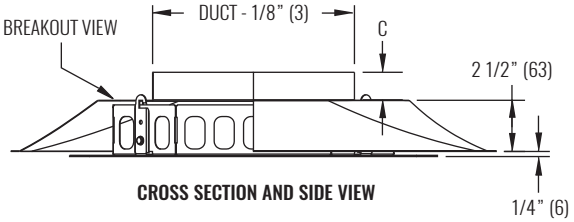
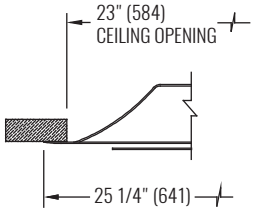
KRUEGER

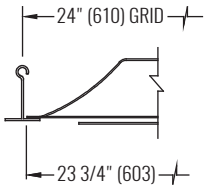
DIMENSIONAL DATA



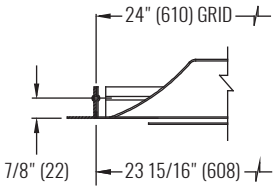
CROSS SECTION AND SIDE VIEW



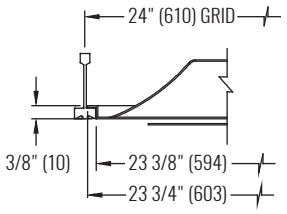
FRAME 22, SURFACE MOUNT



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). See table below for dimensional references.
[1] Available with PLQIMP only.

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)				
24"x24"	6"	79 - 220	0 - 3	236 - 314	4 - 8	265	N/A	N/A	1 1/8" (29)
	8"	105 - 279	1 - 7	309 - 489	8 - 13	350	N/A	N/A	1 1/4" (32)
	10"	109 - 360	2 - 11	382 - 600	12 - 18	435	15	0.50	1 3/8" (35)
	12"	157 - 432	6 - 17	471 - 707	18 - 23	525	20	0.40	1 3/8" (35)
	14"	214 - 500	13 - 19	535 - 855	20 - 26	620	28	0.30	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.