

MODELS

- PLQLT - Steel, architectural ceiling diffuser with square plaque, insulated for low temperature applications

FEATURES

- 360° horizontal discharge air pattern
- R-6 rigid fiberglass insulated backpan and 3/8" cellular insulated plaque face to resist condensation
- Removable square faceplate provides easy access to duct and damper
- Reduced pressure drops
- Quiet sound profile

INLET SIZES

- Round: 6", 8", 10", 12", 14", 15"

FRAME STYLES

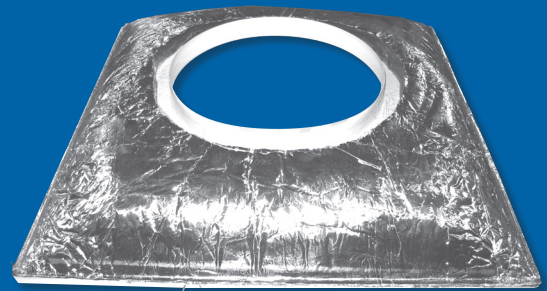
- F22 - Surface mount
- F23 - Lay-in T-bar

PANEL SIZES

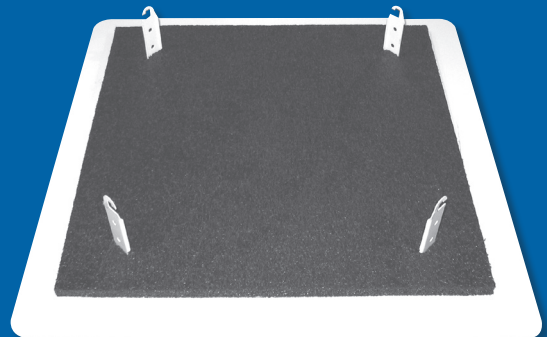
- 24"x24"

COMPATIBLE OPTIONS AND ACCESSORIES

- 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



BACKPAN VIEW



BACK OF PLAQUE

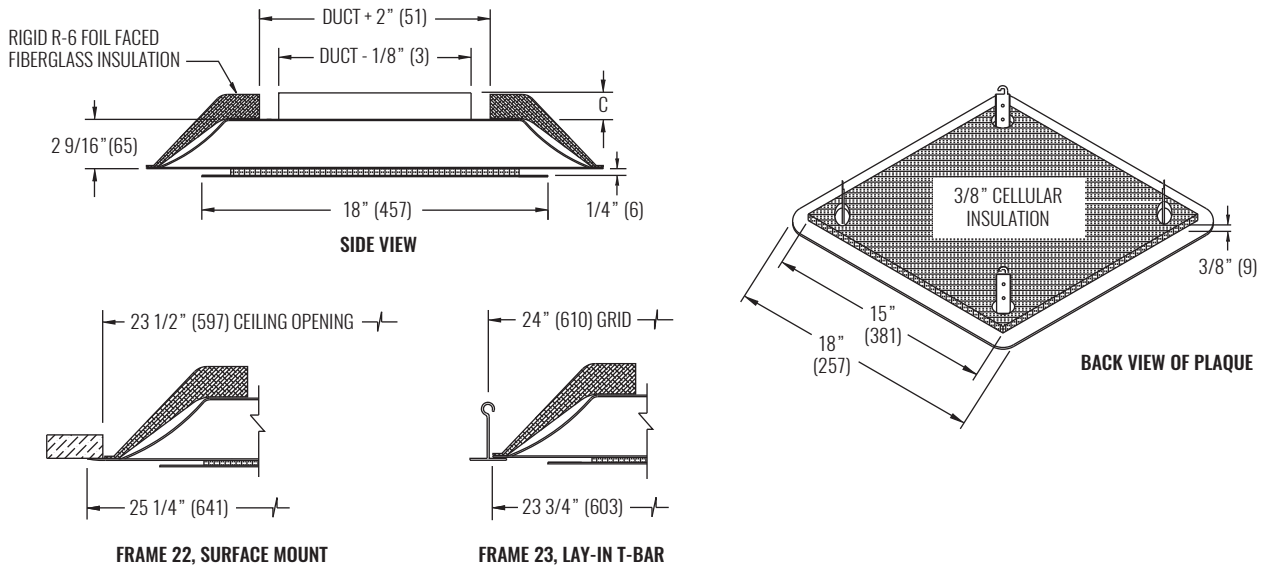


PLQLT

Square Plaques Face Diffuser, Insulated for Low Temperature



DIMENSIONAL DATA



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	C
		CFM	THROW (ft)	CFM	THROW (ft)				
24"x24"	6"	39 - 210	1 - 9	225 - 320	10 - 12	250	18	0.22	1 1/8" (29)
	8"	70 - 340	3 - 13	360 - 515	13 - 16	395	20	0.25	1 1/4" (32)
	10"	109 - 491	4 - 15	510 - 735	16 - 19	570	22	0.26	1 3/8" (35)
	12"	157 - 628	5 - 17	655 - 950	18 - 21	740	26	0.27	1 3/8" (35)
	14"	214 - 840	7 - 20	880 - 1270	20 - 25	980	30	0.28	1 3/8" (35)
	15"	245 - 925	7 - 21	982 - 1400	22 - 26	1100	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.