

PRISM DIFFUSER



BEAUTIFULLY EFFECTIVE
Improve aesthetics without
sacrificing performance in
retrofit applications.



Product

PRISM - One-Piece Steel Faceplate and One-Piece Steel Backpan

Introduction

Krueger's Prism diffuser represents a new way of thinking about today's air distribution. Instead of concealing the diffuser, Krueger has chosen to use it as a tool to compliment the interior design in your office or work environment, without sacrificing performance.

Product Features

- High induction, 4-way horizontal blow pattern provides great room air mixing.
- Performs well in turndown applications.
- Faceplate can be sold separately for retrofits with most existing snap-in, perforated diffusers (without removal of backpan or duct work).
- Standard finish is #44 British White; optional finishes available.

Appliqué Features

- Appliqué sold separately.
- Nine standard appliqué colors to match interior decor.
- Custom appliqué color matching available.
- Custom screened logo or pattern available.

Product Effectiveness



Type	Perf.	4-Cone	Prism	Plaque
Unit Cost Ratio	1.00	1.25	1.45	1.41
CFM @ NC 35 12" Inlet	525	700	800	850
Number of Diffusers	19	14	13	12
CFM/ft ² Turn Down	0.667	0.157	0.169	0.200
Min. CFM @ ADPI = 80	350	110	135	170
Total Installed Cost / sqft	\$1.42	\$0.59	\$0.54	\$0.49



Shown is a typical perforated supply ceiling diffuser. Before beginning the retrofit process, verify that the existing diffuser backpan has the necessary slotted hole to receive the Prism diffuser face spring clip (see corner detail).



STEP 1: Disengage the perforated diffuser face to access the backpan. Remove the stamped or curved blade core from the backpan, then remove the perforated face.



STEP 2: Clip the Prism diffuser face into the exiting backpan.



Shown is a completed retrofit without disconnecting duct work / flex duct or removing the existing backpan.