

**Prism Suggested Specification & Configuration**

1. **SERIES: (XXXXX)**  
PRISM - Architectural Square Panel Diffuser
2. **PATTERN: (XX)**  
RD - Round Neck  
SQ - Square Neck
3. **NECK TYPE PATTERN: (XX)**  
06" - 16" in 2" increments - Round Neck  
06" - 14" in 2" increments - Square Neck
4. **FRAME: (XXX)**  
F22 - Surface Mount \*  
F23 - Lay-in T-Bar
5. **PANEL: (XX)x(XX)**  
24"x24"
6. **ACCESSORY APPLIQUÉ: (XX)**  
NA - No Appliqué  
00 - #44, British White  
01 - #49, Off White  
02 - Light Grey  
03 - Medium Grey  
04 - Light Beige  
05 - Medium Beige  
06 - Blue/Grey  
07 - Olive  
08 - Rust  
92 - 2 Color Custom Logo  
93 - 3 Color Custom Logo  
94 - 4 Color Custom Logo  
99 - 1 Color Custom Logo / Single Color Match
7. **FINISH: (XX)**  
01 - Mill  
03 - White Face, Black Backpan  
10 - Alumican  
35 - Black  
44 - British White  
49 - Off White

\* Frame 22 (F22) option includes separate plaster frame shipped loose for field installation.

**PRISM**

The architectural, square panel ceiling diffusers of the sizes and mounting types shown on the plans or outlet schedule shall be the model Prism by Krueger and constructed of heavy gage steel. The Prism shall have an arcuate (bow shaped or resembling an arch) faceplate with a square color customizable appliqué. The arcuate faceplate shall be precision die-stamped in one piece and removable for access to the optional damper. The faceplate shall have four arcuate openings, each in one of four quadrants. The arcuate opening shall have an integral transition that is tangent to the backpan and permits the air to leave the backpan in a single continuous flow. Diffusers must discharge in the horizontal plane of the room. The diffuser backpan shall be one piece stamped construction of heavy gage steel and have an integrally drawn round or square neck.

Optional duct or neck mounted round damper or square neck OBD shall be constructed of heavy gage steel. Damper shall be operable from the face of the diffuser.

**APPLIQUÉ**

The appliqué shall be constructed of .017" polycarbonate which includes an opacity film to prevent light transmission. The appliqué shall use a .002" thick acrylic adhesive to attach to the Prism.

**PERFORMANCE**

The manufacturer shall provide published (printed or electronic) performance data for the diffuser. Performance data shall include 2 - 7 octave band sound power levels. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

**FINISH**

The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315°F for 30 minutes. The paint thickness shall be 0.8 - 1.0 mils, gloss at 60° per ASTM D523-89 of 50 - 85%, pencil hardness per ASTM D3363-92A of HB - H, crosshatch adhesion per ASTM D3359-83 of 4B - 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.