

**5000 Suggested Specification & Configuration**

**5000**

The non-aspirating, laminar flow diffuser shall be a Krueger model 5000.

The diffuser backpan shall have a hanger tab at all four corners to permit its attachment to the overhead structure.

The face of the diffuser shall be completely removable for sanitizing. The face shall be secured with quick turn fasteners and shall have safety cables to prevent its accidental removal.

The face of the diffuser shall have a free area not exceeding 15% to ensure true non-aspirating flow.

The diffuser shall be available in electrocoated baked paint or mill finish.

**PERFORMANCE**

The diffuser shall be tested in accordance with ANSI/ASHRAE Standard 70. The manufacturer shall be able to provide published performance data.

**STANDARD FINISH**

The paint finish shall be #44 British White, powder coat paint, baked at 425°F. The paint thickness shall be 2.0 – 3.0 mils, gloss at 60° per ASTM D523-89 of 60 – 70%, pencil hardness per ASTM D3363-92A of H – 2H, crosshatch adhesion per ASTM D3359-83 of 5B, salt spray per ASTM B117-9048 of 1000 hours, humidity per ASTM D2247-92 of 1000 hours and conical mandrel per ASTM D522 of 1/8" conical bend, no cracking shows.

**ANTIMICROBIAL FINISH**

The paint finish shall be powder coat paint, baked at 425°F. The paint thickness shall be 2.0 – 3.0 mils, gloss at 60° per ASTM D523-89 of 55 – 65%, pencil hardness per ASTM D3363-92A of H – 2H, crosshatch adhesion per ASTM D3359-83 of 5B, salt spray per ASTM B117-9048 of 1000 hours, humidity per ASTM D2247-92 of 1000 hours and conical mandrel per ASTM D522 of 1/8" conical bend, no cracking shows.

- 1. SERIES: (XXXX)**  
5000 - Laminar Flow Panel
- 2. PATTERN: (XX)**  
00 - Cold Rolled Steel Pan and Face  
01 - Cold Rolled Steel Pan, Aluminum Face  
02 - Cold Rolled Steel Pan, Stainless Steel Face  
03 - Aluminum Pan and Face  
04 - Aluminum Pan, Stainless Steel Face  
05 - Stainless Steel Pan and Face
- 3. INLET: (XX)**  
6", 8", 10", or 12"
- 4. FRAME STYLE: (XXX)**  
F22 - Surface Mount  
F23 - Lay-in T-Bar
- 5. PANEL: (XX)x(XX)**  
12"x48"  
12"x60"  
12"x72"  
24"x24"  
24"x36"  
24"x48"  
24"x60"  
24"x72"  
36"x48"  
36"x60"  
36"x72"
- 6. FINISH: (XX)**  
01 - Mill  
10 - Alumican  
35 - Black  
44 - British White

CRITICAL ROOM PRODUCTS

5000

**SAMPLE CONFIGURATION: 5000 - 05 - 10 - F23 - 24x60 - 01**