

## ENGINEERING SPECIFICATION & CONFIGURATION

### RKSD

The architectural round diffusers of the sizes and mounting types shown on the plans or outlet schedule shall be the Krueger model RKSD constructed of heavy gauge aluminum. The RKSD shall have fixed deflectors to maintain maximum discharge effectiveness and project air in a 360° horizontal plane in the room. Optional duct or neck mounted round damper (ordered separately) shall be constructed of heavy gauge steel. Damper options include models PR10, PRD10, PR12, and PRN100. Damper shall be operable from the face of the diffuser.

### PERFORMANCE

The manufacturer shall provide published performance data for the diffuser. 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 White and be a P-Series Powder Coating finish, baked at 400°F for 7 minutes. The paint thickness shall be 1.8 – 2.2 mils, pencil hardness per ASTM D3363 of H – 2H, crosshatch adhesion per ASTM D3359 of 4B, impact per ASTM D2794 of direct and reverse impact range of 40 to 160 in/lb depending on formulation, salt spray per ASTM B117 of 1000 hours, humidity per ASTM D2247 of 1000 hours and water soak per ASTM D8702 of 500 hours.

#### 1. SERIES: (XXXX)

RKSD – Round Swirl Diffuser, Aluminum Construction

#### 2. INLET: (XX)

6", 8", 10", 12", 14", 16", 20", 24"

#### 3. FINISH: (XX)

01 - Mill

36 - Black Gloss

44 - British White

50 - Bright White

70 - Silver Metallic

99 - Custom Color