

## CRNP, 5CRNP & CRNLP, 5CRNLP Suggested Specification & Configuration

### CRNP, 5CRNP

The supply concentric ring nozzle shall be a Krueger model CRNP constructed of steel or 5CRNP constructed of aluminum. This nozzle must have directional axial control no less than 60° and be able to rotate 360°. The flange of the CRNP/5CRNP shall make a panel that can contain up to 4 separate elements each individually adjustable.

### CRNLP, 5CRNLP

The supply concentric ring nozzle shall be a Krueger model CRNLP constructed of steel or 5CRNLP constructed of aluminum. This nozzle must have directional axial control no less than 60° and be able to rotate 360°. The CRNLP/5CRNLP shall be sized to lay in a standard 15/16" Tee-bar grid with a grid size of 24"x24".

### PERFORMANCE

The manufacturer shall provide published performance data for the grille. The nozzle 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: (XXXXXX)

CRNP - Steel Concentric Ring Nozzle  
 Panel Mount  
 5CRNP - Aluminum Concentric Ring Nozzle  
 Panel Mount

#### 2. SIZE: (XX)

04 - 4" Element Size	14 - 14" Element Size
05 - 5" Element Size	16 - 16" Element Size
06 - 6" Element Size	18 - 18" Element Size
08 - 8" Element Size	20 - 20" Element Size *
10 - 10" Element Size	22 - 22" Element Size *
12 - 12" Element Size	24 - 24" Element Size *

#### 3. PANEL: (X)

1 - Single Unit per Panel \*  
 2 - Two Units per Panel  
 3 - Three Units per Panel  
 4 - Four Units per Panel

#### 4. FINISH: (XX)

01 - Mill	61 - Gray Prime
36 - Gloss Black	70 - Silver Metallic
44 - British White	99 - Custom Color
50 - Bright White	

\* Sizes 20, 22, and 24 only available with Panel 1.  
 Element and duct size are not the same.

#### 1. SERIES: (XXXXXXX)

CRNLP - Steel Concentric Ring Nozzle,  
 Lay-in T-Bar  
 5CRNLP - Aluminum Concentric Ring Nozzle,  
 Lay-in T-Bar

#### 2. SIZE: (XX)

06 - 6" Element Size  
 08 - 8" Element Size  
 10 - 10" Element Size  
 12 - 12" Element Size  
 14 - 14" Element Size

#### 3. FRAME: (XXX)

F23 - Lay-in T-Bar

#### 4. PANEL: (XX)x(XX)

24"x24"

#### 5. FINISH: (XX)

01 - Mill	61 - Gray Prime
36 - Gloss Black	70 - Silver Metallic
44 - British White	99 - Custom Color
50 - Bright White	

Element and duct size are not the same.

**SAMPLE CONFIGURATIONS:** CRNP - 12 - 3 - 44 OR CRNLP - 08 - F23 - 24x24 - 50