

PLQ, PLQR Suggested Specification & Configuration

PLQ

The Architectural square panel ceiling diffusers of the sizes and mounting types shown on the plans or outlet schedule shall be the Krueger model PLQ. The PLQ shall have a one piece square face plaque not exceeding 18"x18" for 24"x24" panel sizes and 9"x9" for 12"x12" panel sizes and constructed of 16 gage steel with rounded corners that have a minimum radius of 3/4". Face plaques that have a secondary wrapper are not acceptable. The face plaque shall not extend below the ceiling more than 3/8" and shall be removable from the backpan for access to the optional damper. The diffuser backpan shall be one piece stamped construction of 22 gage steel and have an integrally drawn round neck.

PLQR

The Architectural square panel ceiling diffusers of the sizes and mounting types shown on the plans or outlet schedule shall be the Krueger model PLQR. The PLQR shall have a one piece round face plaque not exceeding 20" diameter for 24"x24" panel sizes and 10" diameter for 12"x12" panel sizes and constructed of 16 gage steel. The face plaque shall not extend below the ceiling more than 3/8" and shall be removable from the backpan for access to the optional damper. Diffusers must discharge in the horizontal plane of the room. The diffuser backpan shall be one piece stamped construction of 22 gage steel and have an integrally drawn round neck.

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

Optional directional blow tabs shall be constructed of heavy gage steel and offered to provide 1-way, 2-way and 3-way throw patterns.

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.

1. **SERIES: (XXXX)**
 PLQ - Square, Steel Plaque-Style Ceiling Diffuser
 PLQR - Round, Steel Plaque-Style Ceiling Diffuser
2. **NECK: (XX)**
 6"
 7" *
 8"
 10" **
 12" **
 14" **
 15" **
3. **FRAME: (XXX)**
 F22 - Surface Mount
 F23 - Lay-in T-Bar
 F24 - Snap-in T-Bar
 F98 - Narrow-T **
4. **PANEL: (XX)x(XX)**
 12"x12"
 24"x24"
5. **DAMPERS: (XX)**
 00 - No Damper
 03 - PR10
 04 - PRD10
 06 - PR12
 08 - PRN100
6. **ACCESSORIES: (XX)**
 00 - No Accessories
 IB - Insulated Blanket***
 R - Round Straightening Grid
 R6 - Molded Insulation***
7. **FINISH: (XX)**
 01 - Mill
 10 - Alumican
 35 - Black
 44 - British White
 49 - Off White

* Available with 12"x12" panel only.
 ** Available with 24"x24" panel only.
 *** 24" x 24" Panel with 6", 8", 10", or 12" neck dimensions only.

SAMPLE CONFIGURATION: PLQR - 10 - F23 - 24x24 - 00 - 00 - 44