

# METALAIRE™

## **Series 5750RP – Specifications**

### **Air Outlets shall be model:**

*5750RP-1 - Surface Mount*

*5750RP-6 - T-bar Lay-in*

*5750RP-9 - Donn Finline Lay-in*

5750RP manufactured by METALAIRE. Units shall be constructed of steel.

5750RP AS manufactured by METALAIRE. Units shall be constructed of aluminized steel.

5750RP AL manufactured by METALAIRE. Units shall be constructed of aluminum

Units shall be square with a formed backpan and a flat, round face panel. Face panel shall project no more than 1/4" below the ceiling grid or surface. Outlet shall have the same appearance from the face regardless of inlet size. The units shall be the size and quantity as outline in the plans and specifications.

Inlets shall be drawn into the backpan of the diffuser. Welded inlets are not acceptable. Diffusers shall include seismic tabs drawn into the backpan. Face panel shall be removable without the aid of tools for installation and to access optional damper. Units requiring tools to remove the inner cones are not acceptable.

Units shall be designed to integrate into the specified ceiling system

### **Performance Specification**

The manufacturer shall provide published performance data. Data shall be tested in accordance to ANSI/ASHRAE Standard 70-2006.

### **Paint Specification**

Process shall be anodic electro-deposition using an anodic acrylic paint. Units shall undergo pre-treatment including a pressurized spray stage using an alkaline cleaner and a de-ionized water rinse.

### **Optional Dampers and Accessories**

#### ***Butterfly Damper***

METALAIRE model BDS aluminum round butterfly type dampers shall be provided. Damper shall consist of two butterfly style blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screw driver slot that can be assessed through the face of the diffuser.

#### ***Radial Shutter Damper***

METALAIRE model RSD steel round radial shutter damper shall be provided. Damper shall consist of gang operated radial blades that slide perpendicular to air flow direction. The damper shall be adjusted from full open to full closed. Damper shall be adjusted with a screw driver slot that can be assessed through the face of the diffuser.

#### ***Opposed Blade Damper***

METALAIRE model D3 aluminum or SD3 Steel round opposed blade type dampers shall be provided. Damper shall consist of gang operated blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screw driver slot that can be assessed through the face of the diffuser.

#### ***Equalizing Grid***

METALAIRE model G3 aluminum round equalizing grid shall be provided. Equalizing grid shall consist of 1/2" x 1/2" x 1/2" aluminum cubed core mounting in an aluminum frame.