



## **Series EP5000 – Specifications**

### **Supply Square Louvered Face - Engineered Polymer Ceiling Diffusers**

EP5000-1 – *Surface Mounted*

EP5000-6 – *T-bar Lay-in*

Air Outlets shall be engineered polymer model EP5000 provided by METALAIRE. Units shall consist of a fixed 4 way pattern louvered core fastened into a border. Border shall be molded in a single piece eliminating corner seams. Louvered core shall be fastened with integral clips and be removable from the face. Units shall include a mounting bracket assembly, accessible by removing the face.

Outlets shall be engineered for high capacity applications and include straight deflector blades (without a horizontal lip). Units with a horizontal lip at the ends of the deflector blades are not acceptable. The units shall be the size and quantity as outlined in the plans and specifications.

Units shall be constructed entirely of rigid injection molded engineered polymer. The material shall be ultraviolet light stable and shall not become brittle with age. Units shall allow cleaning with commercial solvents, in a dishwasher, or steam cleaned without damaging the product.

The engineered polymer shall be tested in an independent laboratory. Units shall be NFPA standard 90A and 90B compliant. Units shall also be UL 94V rated with a flame spread of 0 and a smoke development rating of 35.

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

### **Optional Dampers**

**OBDP-D5 – Polymer Opposed Blade Damper**

**OBDE-R5 – Aluminum Opposed Blade Damper**

**Damper shall be lever operated through the face of the diffuser**