



4000-Curved

# LINEAR/SLOT DIFFUSERS

## Imperialine® Linear Grilles 4000 Series

### EXTRUDED ALUMINUM

Imperialine® Series 4000 Linear Grilles are designed for installation in the sidewall, sill, floor and ceiling. 4000 Linear Grilles are recommended for supplying heated, ventilated or cooled air and for returning or exhausting room air. Their reliable performance assures confident use of cooling temperature differentials up to 25°F at predicted low air motion (35 fpm) in the zone of occupancy. Imperialine® 4000 Supply Grilles perform efficiently with air loadings of 1 to 2-1/2 CFM per square foot of floor area or 6 to 15 air changes per hour (based on 10 ft. ceiling height) and a sound level range of NC 25 to 35.

Imperialine® 4000 Linear Grilles are fabricated of high-quality aluminum extrusions and are available in white paint finish. Components are mechanically interlocked for a smooth appearance. Keyways and splice plates facilitate hairline butting of 72" sections to form continuous lengths. Volume dampers are integrally fastened to Series 4000 Grilles where available. Friction spring fasteners on margins hold the grilles to duct collar in sill installations. Spring latches hold positively to frames **and are required for sidewall and ceiling installations**. 90° mitered corner sections (4000-MC) are furnished in one piece. Blank-off baffles are furnished behind inactive sections of continuous grille lengths. Pivoting access door within the grille facilitates its use as an outlet over a fan coil unit or induction unit and provides access to a thermostat or control valve.

### FEATURES

- Extruded aluminum construction and mechanical assembly
- White (WH) paint finish
- 0°, 15°, 30° and pencil-proof bar deflections
- Flush and overlapping margins for use with plaster frames
- Available in continuous lengths with alignment tabs splices for grilles and frames
- Concealed fasteners with positive holding spring latches
- Removable core on 800, 900 and 9SH

### ACCESSORIES

- Damper
- Frames
- Hinged Access Door
- Mitered Corner Sections (4000-MC)
- Blank-Off Baffles
- Optional Distribution Plenum (DP)

**Note: Floor reinforcement limits are to 12" in height**

Listed Sizes Available	
Minimum LxH (in.)	Maximum LxH (in.)
6x1-1/2	72x24
<b>Available in 1/16 inch increment of length. One half inch increments of height.</b>	
Sizes longer than maximum will be furnished in multiple sections for filed joining.	