LFT

LINEAR FAN TERMINAL



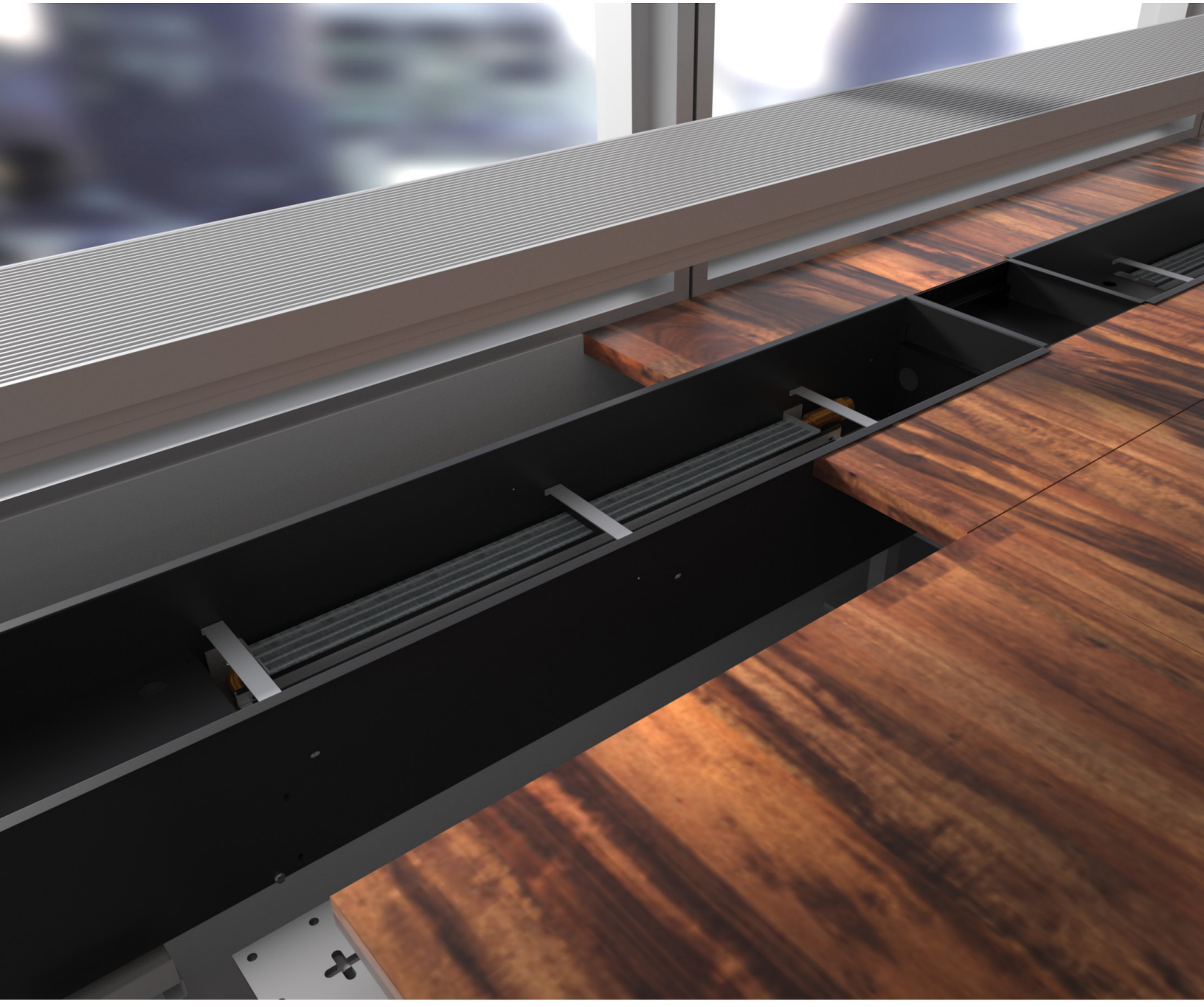
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LFT
Linear Fan Terminal

The Linear Fan Terminal (LFT) is a perimeter linear plenum with an integral fan to provide forced air through cooling or heating coils. With its low profile design the unit can be installed in slab applications as well as raised access floor plenums with minimal height clearances required.

The LFT has the unique capability of providing a large amount of cooling or heating to a space while utilizing equipment that supplies more efficient design water temperatures (i.e. less than 120°F water for heating). Heavy duty linear floor grilles (LFG) can be ordered to install within the LFT unit providing a seamless look.

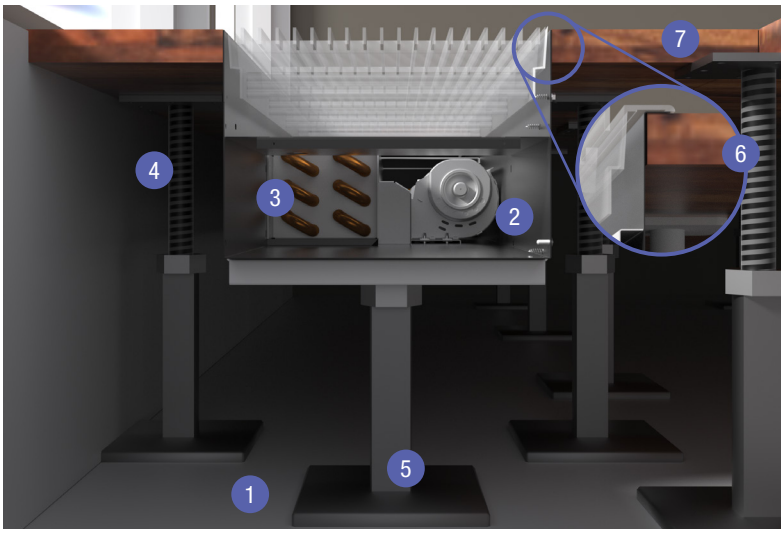
The fan has the capability for modulating based on the demand within the space and typically recirculates air from the room side. This allows the perimeter system to be decoupled from the pressurized underfloor plenum as well as removing the dependancy of reheating already conditioned and cooled plenum air.



LFT with pedestal supported assembly

INSTALLATION IN A RAISED FLOOR

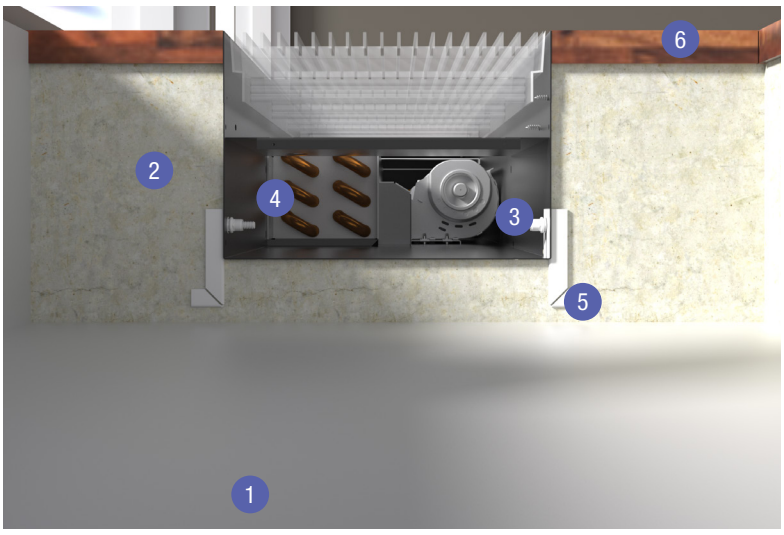
1. Concrete floor
2. Efficient ECM fan
3. Water coil
4. Raised floor
5. Optional adjustable pedestals
6. Optional flange support
7. Floor finish



Floor and Pedestal Support Options

INSTALLATION IN SCREED

1. Concrete Floor
2. Floor Screed
3. Efficient ECM fan
4. Water coil
5. Leveling feet
6. Floor finish



Concrete Slab Installation

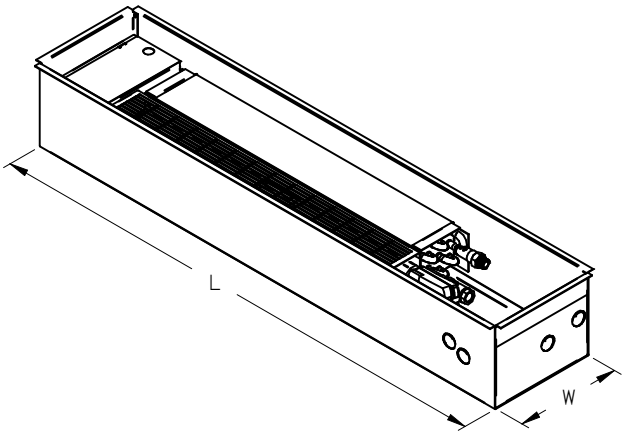
TYPICAL APPLICATIONS

The LFT is designed as a low profile unit for in slab applications including lobbies and atriums as well as raised access floor plenums. The short design also allows for very low raised access floor heights making it ideal for retrofitting existing raised floor systems that do not have underfloor air. In a lot of cases the limiting restriction on reducing the floor heights are the perimter heating and cooling products. This can provide designers and owners an option to consider for underfloor air systems with lower than ever floor heights saving on construction costs.

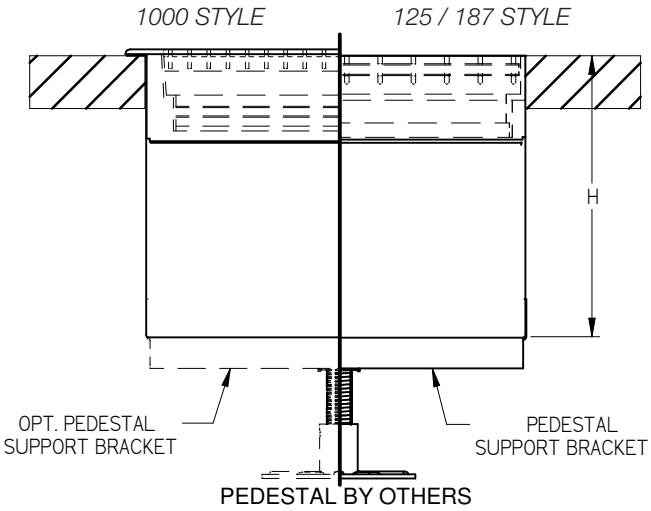
FEATURES

+ 4, 6 and 8 ft. lengths
+ Painted black plenum
+ Slab or Raised Floor support options
+ Rigid heavy gauge design
+ 2 pipe and 4 pipe coil configurations
+ Supply and return connections on same side - standard
+ Efficient 0-10VDC ECM low profile fans
+ Stainless steel drain pan
+ Water valve actuator option
+ Removable end caps
+ Adjustable leveling feet

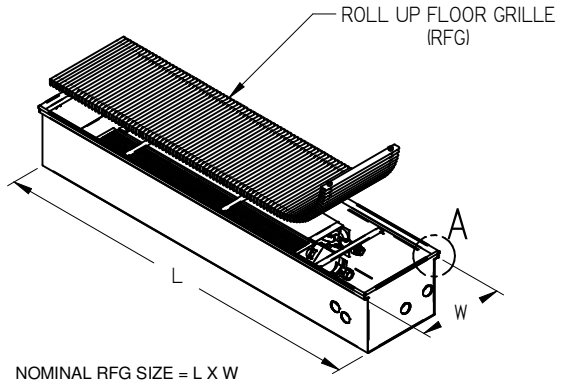
DIMENSIONAL DATA



NOMINAL LFG SIZE = L - .125" (3) X W - .125" (3)

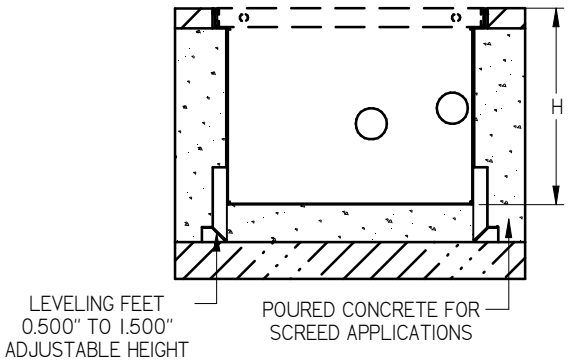


Nominal Plenum Dimensions (Rough Opening)			
Height (H)	**WC Type**	**Width (W)**	**Length (L)**
5.500 (140)*	2P 2R	8.000 (203)	48.000 (1219), 72.000 (1829), 96.000 (2438)
7.625 (194)**	2P 2R	8.000 (203)	48.000 (1219), 72.000 (1829), 96.000 (2438)
	2P 4R	10.000 (254)	
	4P 3R	11.250 (286)	



NOMINAL RFG SIZE = L X W

RFG STYLE (FL)



Nominal Plenum Dimensions (Rough Opening)			
Height (H)	**WC Type**	**Width (W)**	**Length (L)**
4.000 (102)*	2P 2R	9.000 (229)	48.000 (1219), 72.000 (1829), 96.000 (2438)
6.125 (156)**	2P 2R	9.000 (229)	48.000 (1219), 72.000 (1829), 96.000 (2438)
	2P 4R	11.000 (279)	
	4P 3R	12.250 (311)	

MODUFLEX

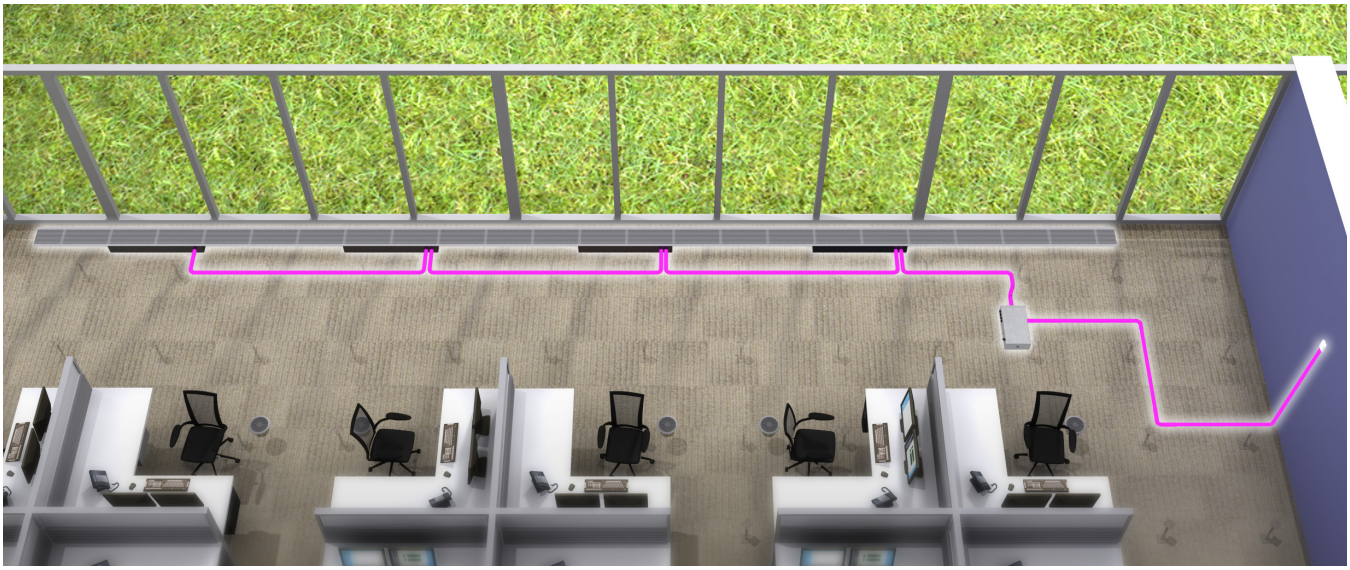
ModuFlex by Price is an Underfloor Air System Solution that is easy to apply. This system combines the benefits of Raised Access Floor (RAF) and Price's years of occupant comfort experience to provide a tailored solution that achieves a comfortable building environment and maximum flexibility. LFT products are most commonly used in perimeter zones.

Perimeter Zones

These zones are typically more complex than interior zones. Perimeter zones generally have larger and more varying loads and often require auxiliary heat. Using the proper system helps control heating and cooling requirements for the space.

Terminal Heating and Cooling

An efficient mode of conditioning perimeter zones is by placing drop-in plenum heaters within the perimeter grilles to heat and cool. These units efficiently provide a boost in cooling capacity at the perimeter based on demand. Initially the cooling valve is modulated to provide chilled water to the terminal then the fan ramps up and down to meet the cooling requirements. In heating mode the water valve will open and the fan will modulate to meet the space heating requirements. The LFT units can be easily daisy chained together through stranded plug and play cabling from the PCM-LFT power and control module. This allows for a very quick and easy installation that is robust for commercial applications. The Price thermostat is also connected to the PCM-LFT through the plug and play wiring which communicates the space temperature to the controller.



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