

LFT-EC

LINEAR FAN TERMINAL-ELECTRIC COIL



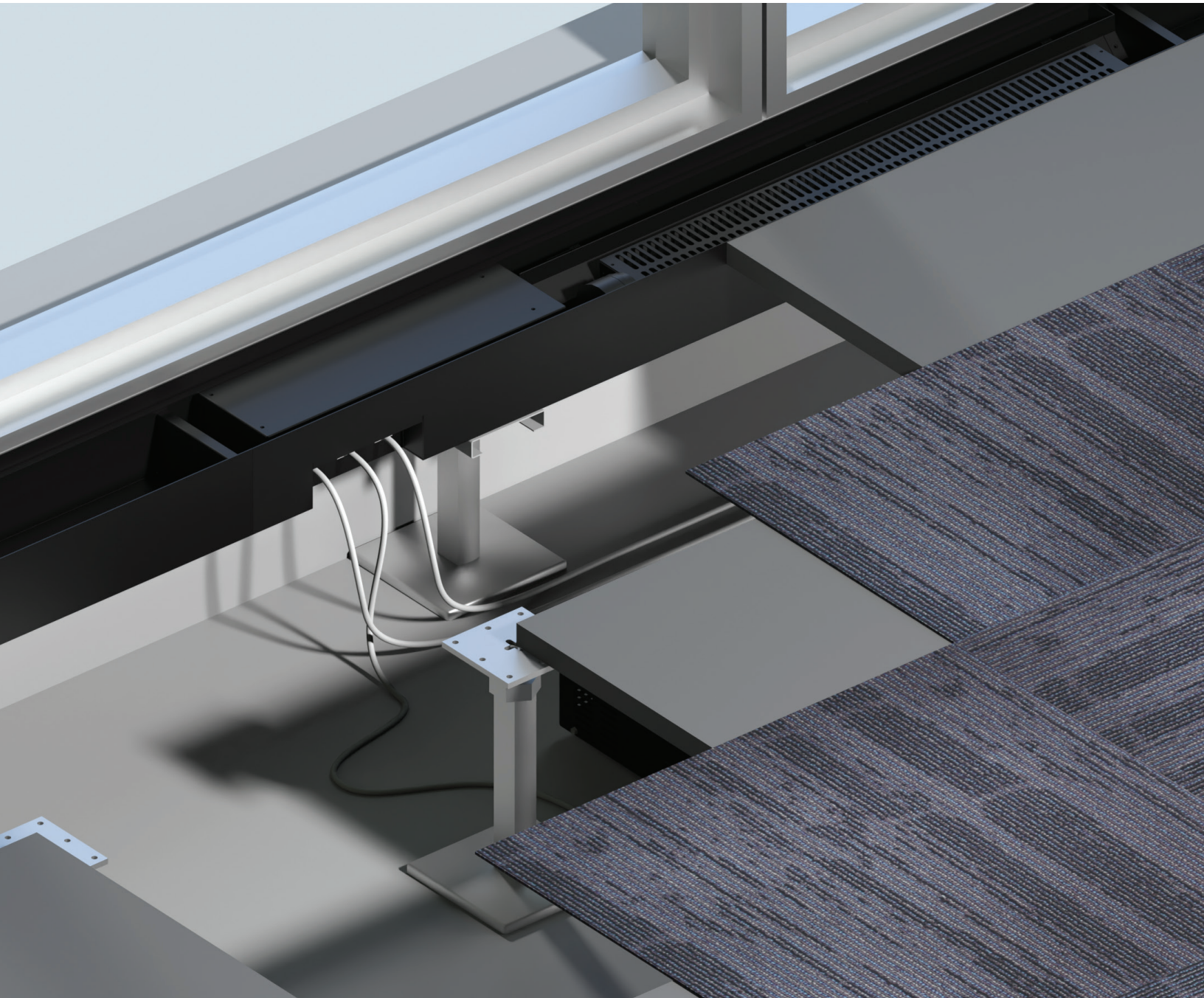
LFT-EC

Linear Fan Terminal - Electric Coil

The Linear Fan Terminal - Electric coil (LFT-EC) is a perimeter linear plenum with an integral fan to provide forced air through electric 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-EC has the unique capability of providing a large amount of heating to a space while utilizing equipment that supplies more efficient fan-assisted electric heating. Heavy duty linear floor grilles (LFG) or roll-up floor grilles (RFG) can be ordered to install within the LFT-EC unit providing a seamless look.

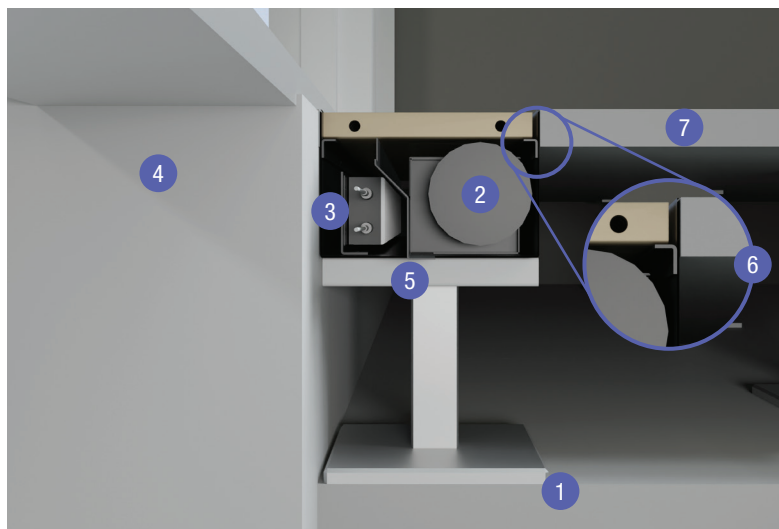
The fan is capable of modulating based on the demand within the space and typically recirculates air from the room side. This allows the perimeter system to be decoupled from the pressurized underfloor plenum as well as removing the dependency of reheating already conditioned and cooled plenum air.



LFT-EC with pedestal-supported assembly

INSTALLATION IN A RAISED FLOOR

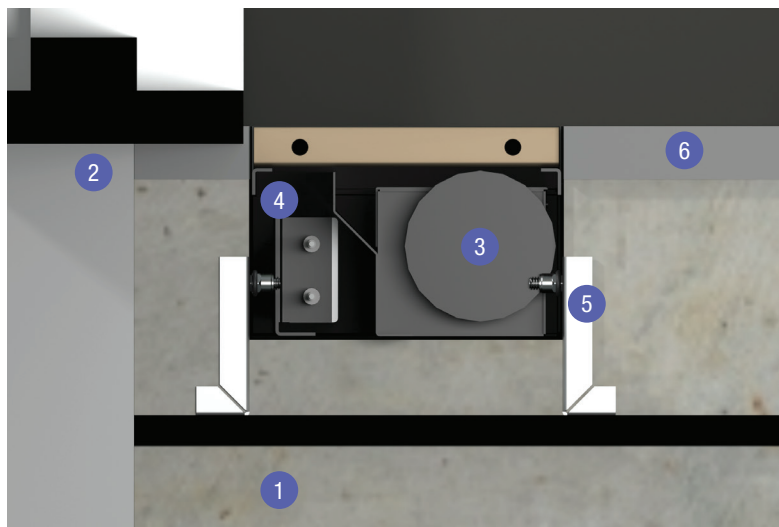
- 1 Concrete slab
- 2 Efficient ECM fan
- 3 Electric coil
- 4 Raised floor
- 5 Optional adjustable pedestals
- 6 Optional flange support
- 7 Floor finish



Floor and Pedestal Support Options

INSTALLATION IN SCREED

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



Concrete Slab Installation

TYPICAL APPLICATIONS

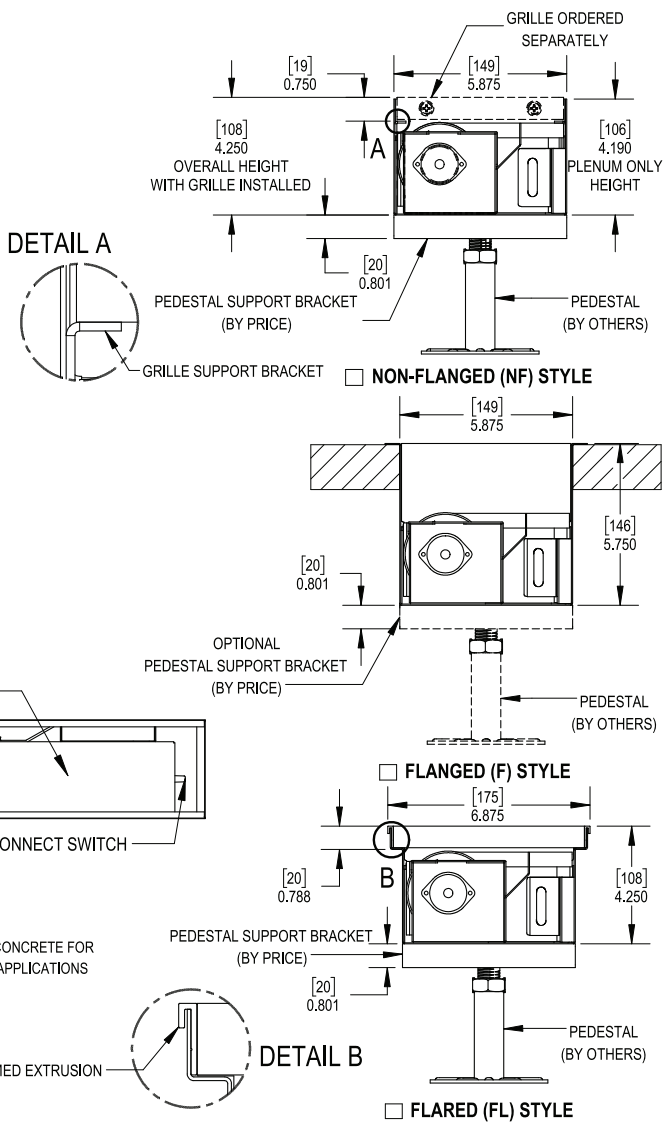
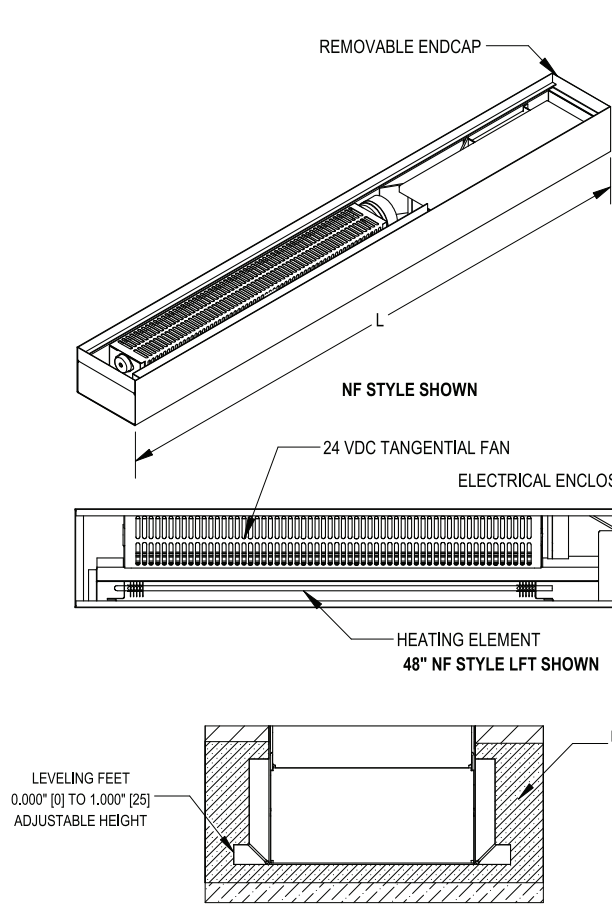
The LFT-EC is designed as a low profile unit for in slab applications including lobbies and atriums as well as raised access floor plenums. The short design also allows for very low raised access floor heights making it ideal for retrofitting existing raised floor systems that do not have underfloor air. In a lot of cases the limiting restriction on reducing the floor heights are the perimeter 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
- + Concrete Slab or Raised Floor support options
- + Rigid heavy-gauge design
- + Finned tubular electric coil (1.0 - 2.5kW standard)
- + Automatic and manual thermal resets
- + Efficient 0-10VDC ECM low-profile fans
- + Single phase - 120V, 208V, 240V, and 277V standard
- + Heater control - SCR modulation and 3-stage control options available
- + Disconnect switch
- + Black finish coil option
- + Adjustable leveling feet
- + Removable end caps

DIMENSIONAL DATA

- NOTE:
- L = NOMINAL LENGTH - 0.125" [3]
 - GRILLE ORDERED SEPARATELY
 - PCM-LFT ORDERED SEPARATELY
 - DROP-IN INSTALLATION FROM ABOVE FLOOR
 - 120/208/240/277 VAC INPUT
 - FACTORY TOLERANCE: +/- 1/32" [1]



SCR Controls

Heat Load	Heat Signal VDC	Fan Signal VDC	Fan Speed
NO LOAD	0	0	OFF
1% - 100%	2 - 10	2 - 8	MIN - MAX

3-Stage Controls

Heat Load	Heat Stages On	Fan Volts	Fan Speed
NO LOAD	0	0	OFF
1% - 49%	1	2 - 3.9	ON 40%
50% - 79%	2	4.0 - 5.9	ON 65%
80% - 100%	3	6 - 8	ON MAX

Electric Heater AMPS and MCA

Volts	Maximum Heat Output (kW)	AMPS	MCA	MOP
120V-1	1.0	8.3	10.4	15.0
208V-1	1.0	4.8	6.0	15.0
208V-1	2.0	9.6	12.0	15.0
208V-1	2.5	12.0	15.0	15.0
240V-1	1.0	4.2	5.2	15.0
240V-1	2.0	8.3	10.4	15.0
240V-1	2.5	10.4	13.0	15.0
277V-1	1.0	3.6	4.5	15.0
277V-1	2.0	7.2	9.0	15.0
277V-1	2.5	9.0	11.3	15.0

MODUFLEX

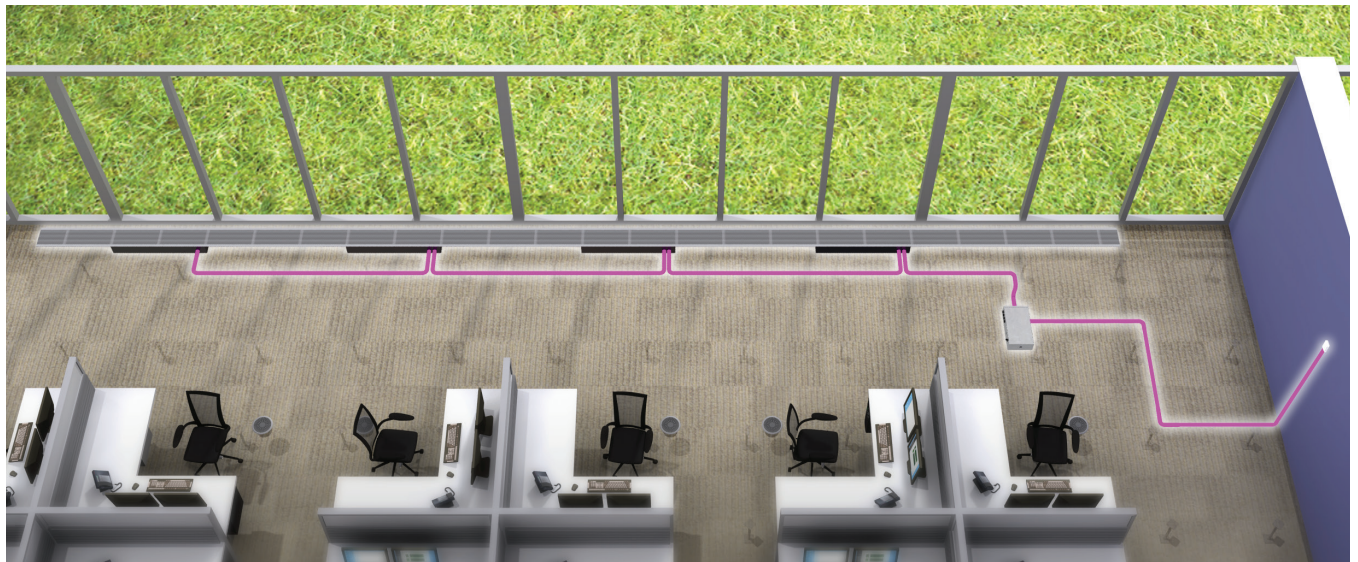
ModuFlex by Price is an Underfloor Air System Solution that is easy to apply. This system combines the benefits of Raised Access Floor (RAF) and Price's years of occupant comfort experience to provide a tailored solution that achieves a comfortable building environment and maximum flexibility. LFT-EC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

An efficient mode of conditioning perimeter zones is by placing drop-in plenum heaters within the perimeter grilles to heat. The LFT-EC 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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