

Features of Lexin Comfort Heating

NO CARBON MONOXIDE DANGERS...!!
does not consume oxygen or generate gasses

EASILY HEATS "A" FRAMES & MULTI-LEVEL HOMES
solves heating problems for lower levels & great rooms

EASY INSTALLATION
as easy as installing a light fixture - saving time & costs

LOW ENERGY CONSUMPTION
more economical than conventional heating

MAINTENANCE FREE
long-lasting (no filter, boiler, gas-burner maintenance)

LONG LIFE EXPECTANCY
long term savings

CUSTOM COMFORT ZONES
one room can have multiple temperature zones

OPTIMAL HEAT DISTRIBUTION
by utilizing Lexin's 170 degree radiant heat pattern

REDUCES & ELIMINATES MOLD
prevents moisture from building up

STABLE ATMOSPHERIC HUMIDITY
healthy and pleasant climate for both people & animals

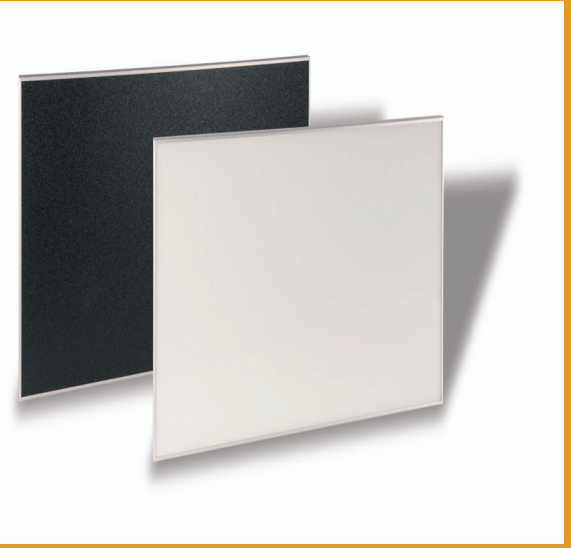
NO DUST CIRCULATION
radiant heat does not cause convection or air movement

TIGHTLY CONTROLLED WAVELENGTH
kept in the therapeutic range, no risk of burning

OPTIMIZATION OF AVAILABLE SPACE
no pipes / radiators or air-ducts

**Please contact your local
Lexin Distributor below**

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*Introducing the Next Generation
in Heating Products*



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www.lexin.com

Introducing a New Technology to North America

Lexin's thin-film technology produces photons (invisible light)

Unlike traditional radiant heating products, Lexin heaters use a glass panel, which allows the photons to be dispersed in a half sphere pattern, at a fixed, safe far-infrared wavelength.

Lexin is able to produce a fixed tightly controlled wavelength in the safe 10 micrometer band also known as "Far Infrared" through the use of crystals.

The waves travel relatively long distances; these are reflected by some surfaces and are absorbed by others, creating a balanced multidirectional warmth.

Traditional infrared wavelengths vary with temperature and only radiate at a ninety degree angle.

When the photons collide with surfaces, such as the human body, furniture, the walls, floor, etc. these are absorbed and generate heat.

Once the heater's thin-film has reached its operating temperature, every photon creates another photon, with the same characteristics (energy and wavelength) without requiring additional energy. This exponential growth of photons is called "Stimulated Emission"

Hence, "stimulated emission" only needs a minimal amount of energy to elevate the film temperature to where the emission is triggered. As long as the temperature stays within the critical window, the stimulated emission will continue to produce energy. In theory this is forever, but because of naturally occurring losses, from time to time, some energy is required to "boost" the temperature as needed...

Residential application



Typical Applications



Suspended panels in a glass office.

Lexin also has solutions for existing systems. We can inexpensively balance HVAC systems and heat problem areas such as a reception area, bathroom, employee lounge, cafeteria, open breezeways or high ceilings where heat loss has been a problem.



Panels can drop into your existing suspended ceiling systems. Suspended panels use the least amount of energy.

Lexin vs. Traditional Heat

Lexin's Stimulated Emission-based Heating System generates 10,000 BTU/KW

Until the introduction of Lexin's patented energy technology, one KW/h of electrical energy was capable of producing 3413 BTU/h in heat energy. Because Lexin uses photons, not electricity to produce heat, the Lexin technology typically produces three times the BTUs for every KW/h it consumes.

The installed power requirement is:
1000 Watt for 215 to 265 square feet or between 3.8 & 3.7 Watts per square foot.

To maintain its optimum operating efficiency, the Lexin system controller modulates the input to the heating panels independent of the room thermostat. The system will only require energy for a portion of the day but will still produce heat for an entire day.

Lexin produces ultra-flat radiant heating systems that may be installed recessed or on the surface; because of their very low operating temperatures, these are considered "zero clearance" products by UL.

Note: * UL requires that all panels are hardwired and mounted at least 6' above the floor**



Surface mounted panels can be integrated into your existing design and décor. This picture shows custom size & color.

The semi-subterranean cafeteria depicted above could not be heated using traditional equipment as the heat would escape through the open stairwell. In winter, the floor temperature was near freezing. The issue was to make the heaters blend in with the building's design. Lexin solved the problem by replacing old lighting strips with custom sized heaters. (Testimonial available on request)