



Radiant Cooling and Heating System With Dehumidification

Why use a radiant system ?

Sensible temperature Ambient air temperature Ambient surface temperature

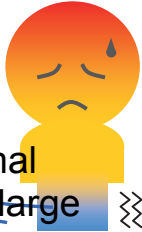
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Air-conditioning System

Radiant Cooling and Heating System

- Uncomfortable hot/cold jet flow
- Vertical air temperature distribution disrupts the normal metabolic balance
- Energy loss caused by thermal transmission & ventilation is large



- No uncomfortable jet flow
- Uniform radiant environment and uniform air temperature
- Energy loss caused by thermal transmission & ventilation is small



System configuration

Small peak load

Heat/cool source is ducted type low-power air conditioner

Ceiling radiant panel made of common plasterboard

Low initial cost

Ceiling radiant panel is pasted with permeable wallpaper for adding dehumidification function and dew condensation prevention

