

## Accepted Manuscript

Research on a radiant heating terminal integrated with a thermoelectric unit and flat heat pipe

Hongli Sun , Borong Lin , Zhirong Lin , Yingxin Zhu , Hui Li , Xiaoying Wu

PII: S0378-7788(18)30411-0  
DOI: [10.1016/j.enbuild.2018.04.054](https://doi.org/10.1016/j.enbuild.2018.04.054)  
Reference: ENB 8527



To appear in: *Energy & Buildings*

Received date: 2 February 2018  
Revised date: 13 April 2018  
Accepted date: 23 April 2018

Please cite this article as: Hongli Sun , Borong Lin , Zhirong Lin , Yingxin Zhu , Hui Li , Xiaoying Wu , Research on a radiant heating terminal integrated with a thermoelectric unit and flat heat pipe, *Energy & Buildings* (2018), doi: [10.1016/j.enbuild.2018.04.054](https://doi.org/10.1016/j.enbuild.2018.04.054)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## Highlights:

- Radiant heating terminal with thermoelectric unit and flat heat pipe is proposed
- Prototype voltage and cold-side temperature is evaluated in an experimental study
- The prototype's heating characteristics and coefficient of performance are tested
- A mathematical model is developed and validated against the experimental data

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6727496>

Download Persian Version:

<https://daneshyari.com/article/6727496>

[Daneshyari.com](https://daneshyari.com)