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Energy consumption model and energy benchmarks of Five-star hotels in China

Ying Sheng , Zhuangzhuang Miao , Jingyu Zhang , Xueyin Lin , Hongting Ma

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Highlights

- A normalized energy consumption model of five-star hotels is established.
- Energy benchmark is expressed by energy use intensity (EUI) interval.
- EUI intervals in cold zone, hot summer/cold winter zone and hot summer/warm winter zone are 100~155, 140~245 and 136~213 kWh/(m²·a).
- Energy-efficient upgrades proposals could be identified based on model.

* Corresponding author. Tel.: +86 022 27890131

E-mail: mht116@126.com (Hongting Ma)

Postal address: 92 Weijin Road Nankai District, Tianjin, China

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