

# Guide to LED Lighting Upgrades for Multi-family Housing

**M**ore than half of people who rent housing live in multi-family dwellings. The U.S. Department of Housing and Urban Development spends \$5 billion per year on utility costs for public and other affordable housing.<sup>1</sup> Thus, energy efficiency has become an important goal for many multi-family, affordable housing sites. LED lighting offers the opportunity to control energy use and associated costs, but clear-cut information written for building owners and managers on how to apply LED lighting has been missing to date.

To provide more information, ASSIST has published *The Lighting Field Guide: Upgrading to LEDs for Multi-family Housing*.



*The Lighting Field Guide: Upgrading to LEDs for Multi-family Housing* from ASSIST provides suggestions for replacing traditional lighting with LEDs in common multi-family lighting applications.



Upgrading traditional light sources to LED replacement lamps as well as facts about lighting product labels are explained in the publication.

<sup>1</sup> U.S. Department of Housing and Urban Development. Implementing HUD's Energy Strategy. Table B-1. Accessed March 2013, [http://portal.hud.gov/hudportal/documents/huddoc?id=DOC\\_4321.pdf#page=13](http://portal.hud.gov/hudportal/documents/huddoc?id=DOC_4321.pdf#page=13)

The publication provides multi-family housing owners and facility managers with a clear, concise guide to selecting LED replacement lighting products for common lighting applications found in multi-family housing, including building common areas (lobbies, hallways, and community rooms), apartment kitchens and baths, and exterior lighting. The guide discusses:

- important metrics and application issues (e.g., flux, efficacy, CCT/CRI, lifetime, warranty)
- product labeling
- best practices for replacing existing incandescent or fluorescent lighting with new LED lamps or fixtures
- savings and payback calculation methods
- potential rebates and incentives to buy down initial cost

The publication is available for free download from the ASSIST website: [www.lrc.rpi.edu/programs/solidstate](http://www.lrc.rpi.edu/programs/solidstate)

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