Energy-Efficient Torchiere Swap Guide

A Lighting Technology for Reducing Energy Costs and Improving Safety Conditions in Military Housing Across the Nation

Prepared by FEMP’s New Technology Demonstration Program
**Introduction**

Because of public safety concerns and the large amount of energy used by halogen torchieres, Lawrence Berkeley National Laboratory (LBNL) began work on the compact fluorescent (CFL) prototype for an energy-efficient torchiere. After a development period, during which the technology was optimized, the fixtures became available in the marketplace. Since that time, LBNL has been encouraging and promoting market transformation efforts, such as swap-out and utility rebate programs.

This brochure provides materials that show how to effectively conduct a torchiere swap-out event. It was developed at LBNL with support from FEMP’s New Technology Demonstration Program.

**Background**

There are currently over 300,000 military housing units in the United States and there are indications that a significant number of them use hot-burning, halogen torchieres (uplights). These floor lamps may represent serious safety and energy issues for the military, which can easily be addressed by replacing halogen torchieres with energy-efficient, cool-burning, fluorescent torchieres. Compact fluorescent torchieres use 25% of the energy of halogens and only get one-fourth as hot. This new technology is readily available from several manufacturers and in home-improvement stores. Torchiere swap-out programs have the potential to greatly accelerate the adoption of these cool-burning torchieres in military housing installations.

**Separate pamphlets in this program describe:**

- Problems associated with halogen torchieres
- Safe, compact fluorescent torchiere alternatives
- A step-by-step, “how-to” torchiere swap guide for military housing management to follow
- Benefits of switching to energy-efficient torchieres for military housing installations
- Surveys and forms

Top view of LBNL-designed CFL torchiere.

Cool-burning CFL torchieres are available in several colors and styles.
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