

# Lighting Patterns for Homes

The Lighting Patterns for Homes website assists visitors in selecting lighting technologies for residences that provide high quality and energy efficient lighting. The website was designed primarily for non-lighting professionals. The website is an update of the 1993 book, *The Lighting Pattern Book for Homes*, authored by Russell P. Leslie and Kathryn M. Conway.

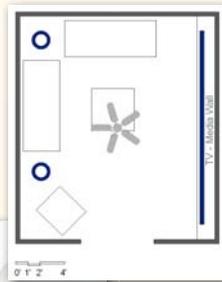
The website provides a total of 134 suggested lighting designs for 36 types of residential spaces. The suggested lighting designs are grouped into three levels of effort to install the lighting when starting from the base case: relamp, rewire, and remodel. Each lighting pattern includes a calculator to show energy and cost savings. The calculator starts with suggested values for the products used in a particular pattern, but these values can be changed to get results for the user's own lighting design.



The lighting patterns compare "base case" lighting schemes with remodeled versions. A master bedroom is shown here with incandescent lighting (above) and remodeled with LED recessed lighting (right).



This remodeled kitchen design example uses recessed LED downlights, undercabinet LED strips and CFL pendants for energy efficiency.



Examples of fixtures and lamps as well as floor plans are presented in the website to make it easier for the user to make design decisions.

## Sponsor

New York State Energy Research and Development Authority

In addition to the lighting patterns, guidance is provided on selecting and using various types of lamps, luminaires, and controls. Also, guidance is provided on lighting techniques and topics of special interest, such as lighting for the aging eye.

The types of spaces for which lighting patterns are provided include the following:

- Living rooms
- Kitchens
- Dining rooms
- Home offices
- Basement
- Bedrooms
- Bathrooms
- Closets
- Laundry rooms
- Garages
- Entries
- Hallways
- Stairs
- Exteriors



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