

Residential Lighting Video Series

The LRC has produced a series of brief videos that guide builders, contractors, and homeowners in providing energy efficient, high quality lighting in residences. The video series provides an accessible overview of a number of topics important to residential lighting. The videos complement the LRC's **Lighting Patterns for Homes** website, and viewers are guided to the most relevant portion of that website.



Overview of energy efficient lighting for residences. Basic methods of lighting residences including lighting design, light sources, and controls.



Upgrading incandescent bulbs. Where to start, maintaining desired light levels and distribution, base types, and choosing between CFLs and LEDs.



Lighting bathrooms. Tips for providing good lighting at the bathroom mirror.



Lighting bedrooms. Tips for lighting bedrooms for comfort and better sleep quality.



Lighting home offices. Tips for saving energy while providing adequate illumination on desks.



Cautions when upgrading lighting in residences. How to avoid problems that can lead to dissatisfaction with lighting.



Lighting kitchens. Tips for lighting kitchens, such as locating the lighting to avoid shadows on work areas.



Light bulbs. Types of light bulbs used in residences including A-shape, globe, decorative, BR, PAR, and MR-16 bulbs.



Lighting living rooms. Tips for lighting living rooms, where aesthetics can be of greater concern than in many other rooms.

10 year cost of ownership		
\$197	Electricity	\$36
\$16	Bulbs	\$18
\$213	Total	\$54

Economic calculations. Calculating the initial cost, payback period, and average cost of ownership when upgrading lighting.

Sponsor

New York State Energy Research and Development Authority (NYSERDA)



The videos are available for streaming at <http://www.lrc.rpi.edu/patternbook/videos.asp>



Light fixtures. Types of light fixtures used in residences including ceiling mounted diffusers, pendants, plug-in lamps, recessed downlights, sconces, vanity lights, track lights, under-cabinet lights, and architecturally-integrated lighting.



How to use the Lighting Patterns for Homes website. An overview of how to make the most use of this online resource.

