

Lighting Choices Save You Money B-Roll

Scene-by-Scene Description

Get the facts behind the footage available on the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) B-Roll website at eere.energy.gov/news/b_roll.cfm.

Video Title: Residential Lighting Choices*Video Only/No Audio***Location:** National Renewable Energy Laboratory, Golden, Colorado**Shoot Date:** 2011**Total Running Time:** 3:10

Scene 1: 00:10: Desk with lamp containing energy-saving (halogen) incandescent bulb. Manufacturer-provided data: 430 lumens, 28W, 40W replacement, bright, crisp light, bulb life of 1,000 hours.

Scene 2: 00:27: Desk with lamp containing compact fluorescent lamp (CFL) bulb. Manufacturer-provided data: ENERGY STAR, 450 lumens, 9W, 40W replacement, soft white, bulb life of 8,000 hours.

Scene 3: 00:48: Desk with lamp containing light-emitting diode (LED) bulb. Manufacturer-provided data: 429 lumens, 8.6W, 40W replacement, bright white, bulb life of 50,000 hours.

Scene 4: 01:07: Kitchen with a ceiling fixture containing energy-saving (halogen) incandescent bulb. Manufacturer-provided data: 785 lumens, 48W, 60W replacement, soft white, bulb life of 1,000 hours.

Scene 5: 01:26: Kitchen with ceiling fixture containing CFL bulb. Manufacturer-provided data: ENERGY STAR, 800 lumens, 15W, 60W replacement, warm white, bulb life of 10,000 hours.

Scene 6: 01:46: Kitchen with ceiling fixture containing LED bulb. Manufacturer-provided data: 360 lumens, 6W, 60W replacement, warm white, bulb life: 25,000 hours.

Scene 7: 02:08: Baby's room with an overhead ceiling fixture and bedside lamp. Manufacturer-provided data: Energy-saving (halogen) incandescent bulb fixture: 785 lumens, 43W, 60W replacement, soft white, bulb life of 1,000 hours; bedside lamp: 380 lumens, 29W, 40W replacement, soft white, bulb life of 1,000 hours.

Scene 8: 02:18: Baby's room with an overhead ceiling fixture and bedside lamp. Manufacturer-provided data: CFL fixture: ENERGY STAR, 800 lumens, 15W, 60W replacement, soft white, bulb life of 8,000 hours; bedside lamp: ENERGY STAR, 450 lumens, 9W, 40W replacement, soft white, bulb life of 8,000 hours.

Scene 9: 02:27: Baby's room with an overhead ceiling fixture and bedside lamp. Manufacturer-provided data: LED Fixture: one bulb: 810 lumens, 12 E, 60W replacement, soft white, bulb life of 25,000 hours; second bulb: ENERGY STAR, 800 lumens, 12.5W, 60W replacement, warm white, bulb life of 25,000 hours. Bedside lamp: ENERGY STAR, 450 lumens, 8W, 40W replacement, soft white, bulb life of 25,000 hours.

Scene 10: 02:36: Bedroom, installing energy-saving halogen incandescent bulb in bedside lamp. Manufacturer-provided data: 455 lumens, 28W, 40W replacement, soft white, bulb life of 1,000 hours.

Scene 11: 02:55: Bedroom, installing CFL bulb in bedside lamp. Manufacturer-provided data: ENERGY STAR, 450 lumens, 9W, 40W replacement, soft white, bulb life of 8,000 hours.

Scene 12: 03:02: Bedroom, installing LED bulb in bedside lamp. Manufacturer-provided data: ENERGY STAR, 450 lumens, 9W, 40W replacement, warm white, bulb life of 25,000 hours.

Learn More about Energy-Saving Lighting Choices

Consumers can now light their homes for less money. Upgrading 15 of the traditional incandescent light bulbs in a home could save about \$50 per year. New lighting standards take effect beginning in 2012, and money-saving options such as the energy-saving (halogen) incandescent, compact fluorescent lamp (CFL), and light-emitting diode (LED) light bulbs are available today.

Traditional incandescent bulbs use a lot of energy to produce light—and an estimated 90% of the energy is given off as heat. Newer energy-saving bulbs provide the choices in brightness and light color we've come to expect. They are also much more efficient—so they save energy and reduce electric bills. For the greatest savings, consumers can choose ENERGY STAR light bulbs.

This b-roll video shows the three most common kinds of energy efficient bulb choices available to replace traditional bulbs: energy-saving (halogen) incandescent, compact fluorescent lamp (CFL), and light-emitting diode (LED) light bulbs. Consumers can find these online or in stores today. As with all lighting products, some bulbs are better suited for particular applications and fixtures than others.

More information about lighting choices can be found at the EERE EnergySavers website at energysavers.gov/lighting/.