



City of Azusa

Building & Safety Division

Phone: (626) 812-5234 Fax (626) 334-5464

www.ci.azusa.ca.us

❖ RESIDENTIAL LIGHTING DESIGN GUIDE ❖

In an effort to reduce electrical power consumption, California enacted requirements for residential lighting. These requirements apply to all projects requiring a building permit. This standard covers all rooms in a home — except closets under 70 square feet.

✓ **“Kitchen”** At least 50 percent of installed lighting must be high efficacy. Efficacy is determined by the fixture lumens per watt, (see luminaires definition below). Lighting must be controlled by the primary switch at the kitchen entrance. Lighting that is not high efficacy must be controlled separately.

✓ **“Bathrooms, Garages, Laundries, and Utility Rooms”** All permanently installed fixtures must be high efficacy OR controlled by a manual-on/automatic-off occupant sensor(s). Such motion sensors shall not have a control that allows the luminaire to be turned on automatically or that has an override allowing the luminaire to be always on.

✓ **“Requirements for all Other Rooms”** Permanently installed luminaires located other than in kitchens, bathrooms, garages, laundry rooms, and utility rooms shall be high-efficacy luminaires.

EXCEPTION 1: All luminaires that are not high-efficacy luminaires shall be allowed provided they are controlled by either a dimmer switch or manual-on occupant sensor(s).

EXCEPTION 2: Luminaires that are not high-efficacy luminaires shall be allowed in closets less than 70 square feet.

✓ **“Porches and Outdoor Lighting”** Luminaires providing outdoor lighting and permanently mounted to a residential building or to other buildings on the same lot shall be high-efficacy luminaires.

EXCEPTION 1: Permanently installed outdoor luminaires that are not high-efficacy shall be allowed provided that they are controlled by a motion sensor(s) with integral photocontrol, certified to comply with Section 119 (d) of the "California Energy Efficiency Standards".

EXCEPTION 2: Permanently installed luminaires in or around swimming pools, water features, or other locations subject to Article 680 of the California Electric Code need not be high-efficacy luminaires.

LUMINAIRES "Definition" A luminaire is the lighting industry's term for a light fixture. A luminaire consists of a housing, power supply (including ballast or transformer), lamp, reflector, and in some cases lens. A lamp is the lighting industry's term for a light bulb.

High-Efficacy "Definition" A high efficacy luminaire is one that meets the efficacies listed in the "California Energy Efficiency Standards" Table 150-C. These luminaires contain either high efficacy lamps or LED lighting. Any luminaire containing a medium screw base socket is classified as low efficacy regardless of the type of lamp installed into that socket.