



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUILDING AND SAFETY DIVISION

**2005 CALIFORNIA ENERGY STANDARDS
TITLE 24 SINGLE FAMILY RESIDENTIAL LIGHTING ENERGY
REQUIREMENTS**

High Efficacy Luminaire - high efficacy luminaires shall contain only high efficacy lamps (fluorescent/compact fluorescent) and shall not contain a medium screw base socket.

<input type="checkbox"/> 1. KITCHEN (Per Section 150(k)2)
<input type="checkbox"/> Permanently installed luminaires shall be high efficacy luminaires (OR)
<input type="checkbox"/> Up to 50% of the total rated wattage of permanently installed luminaires may be incandescent or other type luminaires, only if these luminaires are controlled by switches separate from those controlling the fluorescent fixtures.
<input type="checkbox"/> 2. BATHROOM, GARAGES, LAUNDRY ROOMS, & UTILITY ROOMS (Per Section 150(k)3)
<input type="checkbox"/> Permanently installed luminaires in bathrooms, garages, laundry, and utility rooms shall be high efficacy luminaire (OR)
<input type="checkbox"/> Incandescent or other type luminaires may be used if controlled by an occupancy sensor with capability of "manual on" and "auto off" features only.
<input type="checkbox"/> 3. OTHER AREAS (BEDROOMS, LIVING ROOMS, CLOSETS, HALLWAYS, DINING ROOMS, AND SIMILAR AREAS) Per Section 150(k)4
<input type="checkbox"/> Permanently installed luminaires shall be high efficacy luminaires (OR)
<input type="checkbox"/> Incandescent or other type luminaires may be used only if controlled by a dimmer switch (OR)
<input type="checkbox"/> Incandescent or other type luminaires may be used if controlled by an occupancy sensor with capability of "manual on" and "auto off" features only (OR)
<input type="checkbox"/> Incandescent or other type luminaires may be used with regular toggle switch in closets less than 70 square feet.
<input type="checkbox"/> 4. RECESSED LUMINAIRES IN INSULATED CEILINGS (Per Section 150(k)5)
Recessed luminaires shall be approved for zero clearance insulation cover (IC), air tight (AT), and shall be sealed with gasket or caulk between the housing and ceiling.
<input type="checkbox"/> 5. OUTDOOR LIGHTING* (Per Section 150(k)6)
<input type="checkbox"/> Luminaires providing outdoor lighting and permanently mounted to a residential building or to other buildings on the same lot shall be high efficacy luminaire (OR)
<input type="checkbox"/> High intensity discharge luminaires containing hardwired electromagnetic ballasts in a medium screw base sockets shall be considered high efficacy luminaire if mounted outside of a residential building only (OR)
<input type="checkbox"/> Permanently installed outdoor incandescent luminaires shall be allowed only if controlled by a motion sensor with integral photocontrol
<i><u>*Exception: Permanently installed luminaires in or around swimming pools, water features, or other locations subject to Article 680 of California Electrical Code are not required to be high efficacy luminaire.</u></i>