



## TOWN OF HILLSBOROUGH

### BUILDING & PLANNING DEPARTMENT

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## Title 24, Part 6, of the California Code of Regulations.

### 2010 Requirements For Residential Lighting

Climate Zone 3

<b>Kitchen</b>	At least 50% of total wattage in kitchen must be <b>high efficacy</b> . (Compact fluorescent, LED, Linear fluorescent). Low efficacy fixtures may be installed but not to exceed 50% of total wattage in kitchen area. Near areas may be used in the wattage calculation if on the kitchen switch. <b>NEW</b> (up to 20 watts of low efficacy lighting per linear foot internal to cabinet may be installed without penalty). <b>EXCEPTION:</b> Up to 50 watts for dwelling units $\leq 2,500$ sq.ft. or 100 watts for dwelling units $\geq 2,500$ sq.ft may be exempt from the 50% high efficacy requirement when: (A) all low efficacy luminaires in kitchen are controlled by a manual-on occupant sensor, dimmer, energy management control system, or a multi-scene programmable control system; and (B) all permanently installed luminaires in garages, laundry rooms, closets > 70 sq.ft., and utility rooms are high efficacy and are controlled by a manual-on occupant sensor. Maximum 20 watts per lineal foot of internal cabinet lighting allowed, not to be counted in the 50% wattage of kitchen lighting.
<b>Bathroom Garage Laundry &amp; Utility Room</b>	<b>High efficacy</b> fixtures are required or <b>Low efficacy</b> fixtures may be installed but only if they are equipped with an occupancy sensor that is manual-ON and automatic-OFF
<b>All other interior rooms</b>	<b>High efficacy</b> fixtures are required or <b>Low efficacy</b> fixtures may be installed but only if they are equipped with an occupancy sensor that is manual-ON OR if they are equipped with a dimmer switch
<b>Outdoor lighting attached to buildings or on same lot</b>	<b>High efficacy</b> fixtures are required or <b>Low efficacy</b> fixtures may be installed but only if they are equipped with a motion sensor that also includes a photo control to turn off fixtures during daytime. Pool lights and lights around pool are not required to be <b>High efficacy</b> . <b>Low voltage landscape lighting not regulated.</b>
<b>Common areas residential buildings</b>	<b>High efficacy</b> fixtures are required or <b>Low efficacy</b> fixtures may be installed but only if they are equipped with an occupancy sensor that is manual-ON and automatic-OFF

- **All Recessed luminaires in insulated ceilings shall be approved for zero-clearance** to insulation the fixtures
- Shall be (IC) and certified airtight (AT) per ASTM E283.
- Switch for all high efficacy lighting shall be separate from low efficacy lighting.
- Note: Title 24 requirements do not apply to portable floor lamps or table lamps.
- Indoor Ballasts for lamps 13 watts or greater must be electronic.

#### Notes:

High efficacy luminaires may not contain medium screw base sockets (exception: outdoor metal halide or high pressure sodium (HPS) high intensity discharge luminaires with electromagnetic ballast may have medium screw base sockets if minimum efficacy and motion sensor and/or photo control requirements are met.

The Energy Efficiency Standards for Residential and Nonresidential Buildings were established in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods. Please visit the following website for additional information and requirements <http://www.energy.ca.gov/title24/>