

2010 TITLE 24 LIGHTING REQUIREMENTS

ROOM	LIGHTING REQUIREMENTS
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Kitchen	High efficacy or Up to 50% of the total wattage can be low efficacy. All high efficacy and low-efficacy must be controlled separately
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Exception: Up to 50 watts for dwelling units less than or equal to 2500 sq. ft. or 100 watts for dwelling units larger than 2500 sq.ft. may be exempt from the 50 percent high efficacy requirement when the following conditions are met:

- A. All low efficacy luminaires in the kitchen are controlled by a manual-on occupant sensor, dimmer, energy management control system, or multi-scene programmable control system; and
- B: All permanently installed luminaires in garages, laundry rooms, closets greater than 70 sq. ft. and utility rooms are high efficacy and are controlled by a manual-on occupant sensor.

Bathrooms, Garages, Closets, Laundry Rooms, and Utility Room	High efficacy or Manual-on occupancy sensor
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Exception: Closets less than 70 sq. ft.

All other interior rooms (e.g., living room, dining room, bedroom, hallways) except closets less than 70 sq. ft.	High efficacy or Manual-on occupancy sensor or Dimmer
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Outdoor Lighting attached to buildings	High efficacy or Controlled by photocell motion sensor Astronomical time clock w/no override Energy Management control system
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RESIDENTIAL ENERGY LIGHTING REQUIREMENTS

HELP FOR THE HOMEOWNER
CITY OF RANCHO SANTA MARGARITA

<i>Paul Melby</i>	4/25/11
Building Official:	Date:
Date: 3/23/11	Sheet 1 of 2
	B812

Table 150-C

HIGH EFFICIENCY LUMINAIRE REQUIREMENTS

LAMP POWER RATING FOR NON-LED LIGHTING (see note 1), OR SYSTEM POWER RATING FOR LED LIGHTING (see Notes 2, 3 and 4)	MINIMUM LAMP EFFICACY FOR NON-LED LIGHTING, OR MINIMUM SYSTEM EFFICACY FOR LED LIGHTING
5 watts or less	30 lumens per watt
over 5 watts to 15 watts	40 lumens per watt
over 15 watts to 40 watts	50 lumens per watt
over 40 watts	60 lumens per watt

1. Determine minimum lamp efficacy for lighting systems which are not LED using the initial rated lumens divided by the rated watts of the lamp (not including the ballast).

2. To qualify as high efficacy, an LED luminaire shall meet the minimum system efficacy requirements in Table 150-C when determined according to Reference Joint Appendix JA8, and be certified to comply with Section 119(m), and input power shall be determined according to Section 130(d)5.

3. For a Hybrid LED Luminaire to qualify as a high efficacy luminaire, all lighting systems in the luminaire shall qualify as high efficacy according to Section 150(k)1, and the LED Light Engine with Integral Heat Sink shall comply with Note 4, below.

4. To Qualify as high efficacy, an LED Light Engine with Integral Heat Sink shall meet the minimum system efficacy requirements in Table 150-C when determined according to Reference Joint Appendix JA8, shall be certified to comply with Section 119(m), and input power shall be determined according to section 130(d)5.