Overview of Title 24 Changes in 2005

	2005 Standards	2001 Standards
Kitchen	High efficacy OR Up to 50% of the total wattage can be low efficacy. All high-efficacy and low-efficacy lighting must be controlled separately. *Switch location requirement removed*	General lighting must be high efficacy (fluorescent) and must be controlled by the primary switch at the kitchen entrance. Additional luminaires used for decorative effects need not meet this requirement.
Bathroom	High efficacy OR Manual-on occupancy sensor	Each bathroom containing a shower or bathtub must have at least one fluorescent luminaire. OR Fluorescent lighting may be installed in a utility room, laundry room, or garage instead of a bathroom AND All other lighting must be fluorescent or equipped with a motion sensor. If using the alternative option, each additional bathroom must have at least one fluorescent luminaire.
Garage	High efficacy OR Manual-on occupancy sensor	
Laundry Room	High efficacy OR Manual-on occupancy sensor	
Utility Room	High efficacy OR Manual-on occupancy sensor	
All other interior rooms (e.g., living room, dining room, bedrooms, hallways) except closets less than 70 sq. ft.	High efficacy OR Manual-on occupancy sensor OR Dimmer	No requirements
Outdoor lighting attached to buildings	High efficacy OR Controlled by motion sensor + photocontrol	No requirements
Common areas of low-rise residential buildings with 4 or more dwelling units	High efficacy OR Occupancy sensor	No requirements unless used as an alternate for fluorescent bathroom lighting
Residential parking lots and garages for 8 or more vehicles	Must meet nonresidential lighting standards	No requirements

RESIDENTIAL KITCHEN LIGHTING WORKSHEET — WS-5R

Project Title	Date

At least 50% of the total rated wattage of permanently installed luminaires in the kitchen must be in luminaires that are high efficacy luminaires as defined in Table 150-C. Luminaires that are not high efficacy must be switched separately.

Kitchen Lighting Schedule. Provide the following information for all luminaires to be installed in kitchens.

Luminaire Type	High Efficacy?	Watts	x	Quantity	=	High Efficacy Watts	or	Other Watts
	Yes □ *No* □		x		=		or	
	Yes □ *No* □		x		=		or	
	Yes □ *No* □		x		=		or	
	Yes □ *No* □		x		=		or	
	Yes □ *No* □		x		=		or	
				Total:	A:		B:	
						COMPLIES IF A ≥ B		*Yes* □ *No* □

Rules for Determining Residential Kitchen Luminaire Wattage

Screw Base Sockets §130(c) 1
(Not containing permanently installed ballasts) The maximum relamping rated wattage of the luminaire, as listed on a permanent factory-installed label (luminaire wattage is not based on type or wattage of lamp that is used).

Permanently or Remotely Installed Ballasts §130(c) 2
The operating input wattage of the rated lamp/ballast combination based on values published in manufacturer's catalogs based on independent testing lab reports.

Line Voltage Track Lighting (90 through 480 volts) §130(c) 3

1. Volt-ampere (VA) rating of the branch circuit(s) feeding the tracks; or
2. The higher of
   - The wattage (or VA) rating of an approved integral current limiter controlling the track system or
   - 15 watts per linear foot of the track; or
3. The higher of
   - 45 W per linear foot of the track or
   - The total wattage of all of the luminaires included in the system.

Low Voltage Track Lighting (less than 90 volts) §130(c) 4
Rated wattage of the transformer feeding the system, as shown on a permanent factory-installed label

Other Lighting §130(c) 5
(Lighting systems that are not addressed in §130 (c) 1-4) The maximum rated wattage, or operating input wattage of the system, listed on a permanent factory installed label, or published in manufacturer's catalogs, based on independent testing lab reports.

EXAMPLE

RESIDENTIAL KITCHEN LIGHTING WORKSHEET — WS-5R

Project Title	Date

Kitchen Lighting Schedule. Provide the following information for all luminaires to be installed in kitchens.

Luminaire Type	High Efficacy (y/n)	Watts	x	Quantity	=	High Efficacy Watts	or	Other Watts
CFL-1	*Yes*	*26*	x	*5*	=	*130*	or	
MR-16	*No*	*55*	x	*2*	=		or	*110*
			x		=		or	
			x		=		or	
			x		=		or	
				Total:	A:	*130*	B:	110
						COMPLIES IF A ≥ B		*Yes* ☑ *No* □