

CERTIFICATE OF INSTALLATION		CF2R-LTG-01-E
Lighting – Single Family Dwellings		(Page 1 of 4)
Project Name:	Enforcement Agency:	Permit Number:
Dwelling Address:	City	Zip Code

X. Does the scope of this project include (select Yes or No to the following options):		
1	Controls for any interior or outdoor lighting	Y or N
2	Luminaires in any interior room or outdoor	
3	luminaires recessed into ceilings	
4	Light Emitting Diode (LED) luminaires	
5	Kitchen lighting using only high efficacy luminaires (Method (a))	
6	Kitchen lighting with at least 50% of installed watts from permanently installed high efficacy lighting (Method (b))	
7	Kitchen lighting with an additional low efficacy lighting allotment (Method (c))	
8	Lighting internal to cabinets	
9	Bathroom lighting	
10	Lighting in garages, laundry rooms, or bathrooms	
11	Lighting in rooms other than a kitchen, bathroom, garage, laundry room, or and utility room	
12	Outdoor lighting for single family residential	
13	Internally illuminated address signs	
14	Garages for 8 or more vehicles	

A. Lighting Controls	
1	150.0(k)2A: High efficacy luminaires are switched separately from low efficacy luminaires.
2	150.0(k)2B: Exhaust fans are switched separately from lighting systems, or can be switched OFF in accordance with EXCEPTION
3	150.0(k)2C: Luminaires are switched with readily accessible controls that permit luminaires to be manually switched ON and OFF
4	150.0(k)2D: Lighting controls and equipment are installed in accordance with manufacturer's instructions
5	150.0(k)2E: No controls are installed that bypass a dimmer or vacancy sensor function where that dimmer or vacancy sensor has been installed to comply with Section 150.0(k)
6	150.0(k)2F: Lighting controls comply with the applicable requirements in Section 110.9; Certified to the Energy Commission as applicable
7	150.0(k)2G: EMCS used to comply with dimmer requirements provides the functionality of a dimmer in accordance with Section 110.9, meets the installation certificate requirements in Section 130.4, the EMCS requirements in Section 130.5, and complies with all other applicable requirements in Section 150.0(k)2.
8	150.0(k)2H: EMCS used to comply with vacancy sensor requirements in Section 150.0(k) provides the functionality of a vacancy sensor in accordance with Section 110.9, meets the installation certificate requirements in Section 130.4, the EMCS requirements in Section 130.5, and complies with all other applicable requirements in Section 150.0(k)2.
9	150.0(k)2I: A multi-scene programmable controller used to comply with dimmer requirements provides the functionality of a dimmer in accordance with Section 110.9, and complies with all other applicable requirements in Section 150.0(k)2.
10	By signing this document the installer certifies that the requirements above have been met.

B. Luminaires (Lighting Fixtures)	
1	150.0(k)1(A-C): For compliance with Section 150.0(k), all installed luminaires have been classified as high efficacy or low efficacy in accordance with the applicable requirements in Section 130.0(c), and in accordance with TABLE 150.0-A or TABLE 150.0-B
2	150.0(k)1D: Ballasts for fluorescent lamps rated 13 watts or greater are electronic.
3	150.0(k)1E: Night lights are rated to consume no more than five watts of power
4	150.0(k)1F: Lighting integral to exhaust fans meets all applicable requirements of Section 150.0(k)
5	By signing this document the installer certifies that the requirements above have been met.

This Table is displayed only if recessed lighting is selected above

C. Recessed Luminaires	
1	150.0(k)8A: Listed for zero clearance insulation contact (IC)
2	150.0(k)8B: Has label certifying air tight
3	150.0(k)8C: Sealed with a gasket or caulk between the luminaire housing and ceiling, and all air leak paths between conditioned and unconditioned spaces are sealed with a gasket or caulk; and
4	150.0(k)8D: Ballasts for compact fluorescent luminaires certified to the Commission in accordance with Section 110.9; and
5	150.0(k)8E: Allows ballast maintenance and replacement to be readily accessible to building occupants from below the ceiling without requiring the cutting of holes in the ceiling.
6	By signing this document the installer certifies that the requirements above have been met.

This Table is displayed only if LED lighting is selected above

D. LED Luminaires	
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Registration Number:

Registration Date/Time:

HERS Provider:

CA Building Energy Efficiency Standards - 2013 Residential Compliance

January 2014

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1	TABLE 150.0-A: The LED luminaires are classified as low efficacy because they have NOT been Certified to the Energy Commission, or they do not comply with all of the following requirements, as applicable: Sections 110.9(e), 130.0(c)9, 150.0(k)1A, TABLE 150.0-A, and Reference Joint Appendix JA8.
2	150.0(k)1A: The LED luminaires are classified as high efficacy because they ARE Certified to the Energy Commission by the manufacturer in accordance with all of the following requirements, as applicable: Sections 110.9(e), 130.0(c)9, 150.0(k)1A, TABLE 150.0-A, and Reference Joint Appendix JA8.
3	By signing this document the installer certifies that the requirements above have been met.

This Table is only displayed if Kitchen lighting is selected above

E. Kitchen Lighting	
1	150.0(k)1C: The wattage of permanently installed luminaires determined as specified in Section 130.0(c).
2	150.0(k)1C: In the kitchen, wattage calculated as 180 watts of low efficacy lighting per blank electrical boxes finished with a blank cover.
3	Method <(a), (b), or (c) as selected above> from Section 150(k)3A: Compliance demonstrated using Method (a) because only high efficacy luminaires have been installed in the kitchen. Compliance demonstrated using Method (b). At least 50% of the installed watts from permanently installed high efficacy. Total A ≥ Total B in Installed Wattage Calculation Table (below) Compliance demonstrated with additional low efficacy wattage allowance of EXCEPTION to 150(k)3
4	<If method (c) is selected, this additional field will be displayed> EXCEPTION to 150.0(k)3: Additional low efficacy watts may be allowed when all luminaires in the kitchen are controlled by a vacancy sensor or dimmers, and 1. See 150.0(k)2A where high efficacy and low efficacy luminaires must be separately controlled. 2. See 150.0(k)2G where EMCS may be used as a dimmer; Section 150.0(k)2H where EMCS may be used as a vacancy sensor; or, 150.0(k)2I where multi-scene programmable controller may be used as a dimmer. NOTES: Compliance demonstrated using Method (c). Kitchen lighting qualifies for additional low efficacy lighting and as demonstrated in Installed Wattage Calculation Table in Method (b) (above) in addition to Additional Low Efficacy Wattage Calculation Table (below).
5	By signing this document the installer certifies that the requirements for kitchen lighting wattage allowances have been met.

This Table is displayed only if Kitchen Lighting using Method (b) or (c) is selected above

Method (b) Total Wattage Calculation						
Luminaire Type	Fixture		Quantity	=	Total Watts	
	High Efficacy Watts	Low Efficacy Watts			High Efficacy	Low Efficacy
			x	=	0	0
			x	=	0	0
			x	=	0	0
			x	=	0	0
			x	=	0	0
			x	=	0	0
Complies with method (b) if Total A ≥ Total B					0	0
					A ≥	B

This Table is displayed only if Kitchen Lighting using Method (c) is selected above

Method (c) Total Additional Wattage Calculation					
From Method (b)			Total Watts		
High Efficacy Watts	Low Efficacy Watts	Additional Watts	High Efficacy	Low Efficacy	
0	0	50	50		0
Complies with method (b) if Total A ≥ Total B			50		0
			A ≥		B

This Table is displayed only if Internal Cabinet lighting is selected above

F. Lighting Internal to Cabinets	
1	150.0(k)4: Permanently installed lighting internal to cabinets uses ≤ 20 watts of power per linear foot of illuminated cabinet.
2	By signing this document the installer certifies that the requirements above have been met.

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1. I certify under penalty of perjury, under the laws of the State of California, the information provided on this form is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for construction, or an authorized representative of the person responsible for construction (responsible person).
3. I certify that the installed features, materials, components, or manufactured devices identified on this certificate (the installation) conforms to all applicable codes and regulations, and the installation is consistent with the plans and specifications approved by the enforcement agency.
4. I reviewed a copy of the Certificate of Compliance (CF1R) approved by the enforcement agency that identifies the specific requirements for the installation. I certify that the requirements detailed on the CF1R that apply to the installation have been met.
5. **I will ensure that a completed, signed copy of this Certificate of Installation shall be posted, or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a signed copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy.**

Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)		
Responsible Person's Name:	Responsible Person's Signature:	
CSLB License:	Date Signed:	Position With Company (Title):

