# **LIGHTING – MULTI FAMILY DWELLINGS**

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Project Name:	Enforcement Agency:	Permit Number:
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A. Inst	alled Lighting and Controls	
Select	Yes or No according to whether your work on the project includes each of the following types of lighting and controls.	
See Se	ction B. thru N. for applicable compliance requirements.	Y or N
01	High efficacy luminaires installed in any interior rooms. (See Section B.)	
02	JA8 compliant luminaires and controls installed in any interior rooms. (See Section B.)	
03	Recessed downlight luminaires in ceilings in any interior rooms. (See Section C.)	
04	Screw-based luminaires installed in any interior rooms. (See Section D.)	
05	Enclosed or recessed luminaires installed in any interior rooms. (See Section D.)	
06	Lighting and controls in bathrooms. (See Section E.)	
07	Lighting and controls in laundry rooms. (See Section E.)	
08	Lighting and controls in utility rooms. (See Section E.)	
09	Lighting and controls in garage. (See Section E.)	
10	Outdoor lighting and controls. (See Section H. & I.)	
11	Blank electrical boxes installed more than 5 feet from finished floor. (See Section F.)	
12	Internally illuminated address signs. (See Section G.)	
13	Parking Garages. (See Section J.)	
14	Parking lots or carports. (See Section H. & I.)	
15	Common areas. See (Section K. & L.)	

B. High Efficacy Luminaires and Controls			
	150.0(k)1A and Table 150.0-A: All luminaires are installed with:		
01	<ul> <li>Light sources of one of the lighting technologies specified under the "High Efficacy" column of TABLE 150.0-A; or</li> </ul>		
	<ul> <li>JA8 compliant light sources and the light sources are marked with a label reading "JA8-2019" or "JA8-2019-E".</li> </ul>		
02	150.0(k)2J: Dimming controls for all luminaires with dimmable JA8 compliant light sources except for those controlled by occupancy or		
02	vacancy sensors.		
03	150.0(k)2A: Forward phase cut dimmers used with LED light sources shall comply with NEMA SSL 7A.		
The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.			

C. Rec	essed Downlight Luminaires in Ceilings
01	150.0(k)1Cv: Do not contain screw based sockets.
02	The luminaire shall be marked with "JA8-2019".
03	150.0(k)1Ci: Listed for zero clearance insulation contact (IC).
04	150.0(k)1Cii: Has label certifying air tight.
05	150.0(k)1Ciii: Sealed with a gasket or caulk between the luminaire housing and ceiling, and all air leakage paths between conditioned and
05	unconditioned spaces are sealed with a gasket or caulk.
06	150.0(k)1Civ: Allows ballast maintenance and replacement to be readily accessible to building occupants from below the ceiling without
06	requiring the cutting of holes in the ceiling.
The re	sponsible person's signature on this compliance document affirms that all applicable requirements in this table have been met

D. Additional Luminaire Requirements			
	150.0(k)1G: Screw based luminaires are installed with all of the following requirements:		
01	The luminaire is not recessed downlight luminaire in ceilings; and		
	<ul> <li>The luminaires are installed with lamps or light sources marked with "JA8-2019"</li> </ul>		
02	150.0(k)1H: Enclosed or Recessed Luminaires are installed with lamps or other separable light sources marked with "JA8-2019-E".		
03	150.0(k)1D: Ballasts for fluorescent lamps rated 13 Watts or greater are electronic.		
04	150.0(k)1E: Night lights, step lights and path lights are rated to consume no more than 5 Watts of power and emit more than 150		
lumens, or in compliance with Table 150.0-A, or controlled, or controlled by vacancy sensors.			
150.0(k)1F: <b>Lighting integral to exhaust fans</b> meets the requirements of Table 150.0-A, with exception to the lighting installed by			
US	manufacturer in kitchen exhaust hoods.		
The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.			

E. Additional	l Lighting	Control	s

01 150.0(k)2J: In bathrooms, garages, laundry rooms, and utility rooms, at least one luminaire in each of these spaces is controlled by an

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	occupant or vacancy sensor providing automatic-off functionality.	
02	150.0(k)2B: Exhaust fans are controlled separately from lighting systems, or the lighting can be turned OFF on the same control as the fan.	
03	150.0(k)2C: Lighting has readily accessible wall-mounted controls that allow the lighting to be manually turned ON and OFF.	
04	150.0(k)2D: Lighting controls and equipment are installed in accordance with manufacturer's instructions	
05	150.0(k)2E: No controls bypasses a dimmer, occupancy sensor or vacancy sensor function where that dimmer or sensor has been installed	
05	to comply with Section 150.0(k)	
06	150.0(k)2F: Lighting controls comply with the applicable requirements in Section 110.9.	
	150.0(k)2G: Energy Management Control Systems used to comply with control requirements provide the functionality of the specified	
07	control in accordance with Section 110.9, meet the installation certificate requirements in Section 130.4, meets the EMCS requirements in	
	Section 130.5, and comply with all other applicable requirements in Section 150.0(k)2.	
08	150.0(k)2H: A multi-scene programmable controller used to comply with dimmer requirements provides the functionality of a dimmer in	
08	accordance with Section 110.9, and complies with all other applicable requirements in Section 150.0(k)2.	
09	150.0(k)2K: Undercabinet lighting is controlled separately from ceiling installed lighting.	
The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.		

#### F. Blank Electrical Boxes

150.0(k)1B: The number of blank electrical boxes installed more than 5 feet above the finished floor and do not contain a luminaire or other device, are not greater than the number of bedrooms. The blank boxes are served by a dimmer, a vacancy sensor or fan speed

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

## **G.** Address Signs

- 150.0(k)4: Internally illuminated address signs. Internally illuminated address signs shall either:
  - Comply with Section 140.8. Applicable nonresidential sign lighting compliance forms shall also be submitted, or
  - Consume no more than 5 watts of power.

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

H. For Low-rise Multi-family Residential Buildings with four or more dwelling units, Outdoor Lighting for Private Patios, Entrances, Balconies, Porches, Residential parking lots, and Carports with less than 8 vehicles per site shall comply with requirements in Box 01 or Box 02 below.

150.0(k)3Bi: Outdoor lighting is controlled by a manual ON and OFF switch that permits one of the following automatic actions:

- Controlled by a photocell and either a motion sensor or an automatic time switch control; or
- Controlled by an astronomical time clock control;

01 Control that override to ON shall not be allowed unless the override automatically returns the automatic control to its normal operation within 6 hours

An energy management control that provides the specified lighting control functionality and complies with all requirements applicable to the specified controls may be used to meet the above requirements.

150.0(k)3Bii: Outdoor lighting complies with the applicable requirements in Sections 110.9, 130.0, 130.2, 130.4, 140.7, and 141.0. 02 Applicable LTO forms shall also be submitted.

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

I. For Low-rise Multifamily Buildings with Four or More Dwelling Units, Outdoor Lighting for Residential Parking Lots or Carports with Eight or More Vehicles per site shall comply with requirements in Box 01 below

150.0(k)3C: Outdoor lighting complies with the applicable requirements in Sections 110.9, 130.0, 130.2, 130.4, 140.7, and 141.0. Applicable LTO forms shall be submitted.

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

# J. Lighting for Residential Garages for Eight or More Vehicles

150.0(k)5: Lighting complies with the applicable requirements for nonresidential garages in Sections 110.9, 130.0, 130.1, 130.4, 140.6, and 141.0. Applicable LTG forms shall also be submitted.

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

# K. Lighting for Interior Common Areas (≤ 20%) of Low-rise Multi-family

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01	150.0(k)6A: Installed lighting shall comply with Table 150.1-A and be controlled by an occupancy sensor.	
The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.		

L. Lighting for Interior Common Areas (> 20%) of Low-rise Multi-family		
01	150.0(k)6Bi: Installed lighting shall comply with the applicable requirements in Sections 110.9, 130.0, 130.1, 140.6, and 141.0. Applicable	
	nonresidential lighting compliance (NRCC-LTG) forms shall also be submitted.	
02	150.0(k)6Bii: Lighting installed in corridors and stairwells is controlled by occupant sensors that reduce the lighting power by at least 50%	
02	and capable of turning light fully on and off from paths of ingress and egress.	
The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.		

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT				
I certify that this Certificate of Installation documentation is accurate and complete.				
Documentation Author Name:	Documentation Author Signature:			
Documentation Author Company Name:	Date Signed:			
Address:	CEA/HERS Certification Identification (if applicable):			
City/State/Zip:	Phone:			

## RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Installation is true and correct.
- I am either: a) a responsible person eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction, or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Installation, and attest to the declarations in this statement, or b) I am an authorized representative of the responsible person and attest to the declarations in this statement on the responsible person's behalf.
- The constructed or installed features, materials, components or manufactured devices (the installation) identified on this Certificate of Installation conforms to all applicable codes and regulations and the installation conforms to the requirements given on the Certificate of Compliance, plans, and specifications approved by the enforcement agency.
- I will ensure that a registered 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 registered copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Builder/Installer Name:	Responsible Builder/Installer Signature:	
Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)	Position With Company (Title):	
Address:	CSLB License:	
City/State/Zip:	Phone:	Date Signed:

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#### CF2R-LTG-02-E User Instructions

There are two version of the residential lighting Certificate of Installation. This version, the CF2R-LTG-02-E, is used for demonstrating compliance with the residential lighting Standards for low-rise multi-family dwellings.

The other version of the lighting Certificate of Installation, the CF2R-LTG-01-E, is used for demonstrating compliance with the residential lighting Standards for single family dwellings. The LTG-01 shall also be used to demonstrate compliance with the residential lighting requirements for high-rise residential dwelling units; outdoor lighting that is attached to a high-rise residential or hotel/motel building, and is separately controlled from the inside of a dwelling unit or guest room; fire station dwelling accommodations; hotel and motel guest rooms; and, dormitory and senior housing dwelling accommodations.

The primary difference between the LTG-02 and LTG-01 is that the LTG-02 includes additional requirements for demonstrating compliance with residential outdoor lighting, and common areas associated with low-rise multi-family dwelling unit.

Each dwelling unit shall separately comply with all of the applicable residential lighting Standards. Note that rooms and areas that are not within a dwelling unit shall comply with the nonresidential lighting Standards, and the nonresidential lighting compliance documents must also be submitted.

#### Section A. Checklist for Lighting and Controls Installed at this Site

This table is used to identify the scope of work being covered by the responsible person signing this document. One person may be responsible for all of the measures in this table, or several people may each be responsible for only a portion of the measures. If several people are responsible, each person must separately fill out this Certificate of Installation for those measures for which they are responsible. In some situations, such as for alterations and additions, only some of the measures may be included in the total scope of work.

For rows 1 through 14 – insert 'Y' for each measure that is included in the scope of work, and insert 'N' for each measure that is not included in the scope of work.

#### **Section B. High Efficacy Luminaires and Controls**

This table is a list of mandatory requirements high efficacy luminaires.

#### Section C. Recessed Downlight Luminaires in Ceilings

This table is a list of mandatory requirements for recessed downlight luminaires.

#### Section D. Additional Luminaire Requirements

This table is a list of additional requirements for luminaires.

#### **Section E. Additional Lighting Controls**

This table is a list of additional requirements for lighting controls.

#### **Section F. Blank Electrical Boxes**

This table is a list of mandatory requirements for blank electrical boxes.

### Section G. Address Signs

This table is a list of mandatory requirements for address signs.

# Section H. For Low-rise Multi-family Residential Buildings, Outdoor Lighting for Private Patios, Entrances, Balconies, Porches, residential parking lots and carports with less than 8 vehicles per site

This table is a list of mandatory requirements for low-rise multi-family residential buildings, outdoor lighting for private patios, entrances, balconies and porches.

# Section I. For Low-rise Multi-family Buildings with Four or More Dwelling Units, Outdoor Lighting for Residential Parking Lots or Carports with Eight or More Vehicles

This table is a list of mandatory requirements for low-rise multi-family buildings with four or more dwelling units, outdoor lighting for other than private patios, entrances, balconies, porches, or for other than residential parking lots and residential carports with eight or more vehicles.

### Section J. Lighting for Residential Garages with Eight or More Vehicles

This table is a list of mandatory requirements for lighting for residential garages with eight or more vehicles.

# Section K. Lighting for Interior Common Areas (≤ 20%) for Low-rise Multi-family

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This table is a list of mandatory requirements for lighting for interior common areas (≤ 20%) for low-rise multi-family.

# Section L. Lighting for Interior Common Areas (> 20%) for Low-rise Multi-family

This table is a list of mandatory requirements for lighting for interior commons areas (> 20%) for low-rise multi-family.