LIGHTING – SINGLE FAMILY DWELLINGS

CALIFORNIA ENERGY COMMISSION

CEC-CF2R-LTG-01-E

CERTIFICATE OF INSTALLATION

Project Name:		Enforcement Agency:	
Dwelling Address:		Permit Number:	
City and Zip Code:		Permit Application Date:	

A. Installed 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 Sections B through J for applicable requirements.

Field	Field Name	Y or N
01	High Luminous Efficacy luminaires installed in any interior rooms. (See Section B)	Yes ☐ No ☐
02	Recessed downlight luminaires in ceilings in any interior rooms. (See Section C)	Yes ☐ No ☐
03	Light Sources in Enclosed or Recessed Luminaires (other than recessed downlights in ceilings). (See Section D)	Yes ☐ No ☐
04	Lighting controls in bathrooms. (See Section E)	Yes ☐ No ☐
05	Lighting controls in garage. (See Section E)	Yes ☐ No ☐
06	Lighting controls in laundry rooms. (See Section E)	Yes ☐ No ☐
07	Lighting controls in utility rooms. (See Section E)	Yes ☐ No ☐
08	Lighting controls in walk-in closets. (See Section E.)	Yes ☐ No ☐
09	Lighting controls in interior rooms except bathrooms, garages, laundry rooms, utility rooms, and walk-in closets. (See Section F)	Yes ☐ No ☐
10	Internally illuminated address signs. (See Section G.)	Yes ☐ No ☐
11	Outdoor lighting and controls. (See Section H)	Yes ☐ No ☐
12	Parking Garages for eight or more Vehicles. (See Section I)	Yes ☐ No ☐
13	Blank Electrical Boxes installed more than 5 feet from finished floor. (See Section J)	Yes ☐ No ☐

B. High Luminous Efficacy Luminaires

Field	Field Name
01	150.0(k)1A: All installed luminaries and light sources shall comply with Reference Joint Appendix JA8 and shall be certified and marked as required by JA8. : JA8 compliant light sources and the light sources are marked with “JA8-2025” or “JA8-2025-E”. Exception 1: Integrated device lighting: Lighting integral to exhaust fans, kitchen range hoods, bath vanity mirrors, garage door openers, and ceiling fan kits that are subject to DOE's Appliance and Equipment Standards Program. Exception 2: Navigation Lighting rated less than five watts, such as night lights, and path lights. Exception 3: Lighting with an efficacy of 45 lumens per watt or greater and located internal to drawers, cabinetry, or linen closets. Exception 4: Light sources as follows: i. LED light sources installed outdoors; ii. Inseparable solid state lighting (SSL) luminaires containing colored light sources that are installed to provide decorative lighting; iii. High intensity discharge (HID) light sources including pulse start metal halide and high pressure sodium light sources; and iv. Luminaires with hardwired high frequency generator and induction lamp
02	Lighting shall have readily accessible wall-mounted controls that allow the lighting to be manually turned ON and OFF

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

C. Recessed Downlight Luminaires in Ceilings

Field	Field Name
01	150.0(k)1Ci: Do not contain screw based lamp sockets.
02	The luminaire is marked with "JA8-2025".
03	150.0(k)1Cii: Has label certifying the luminaires are airtight with air leakage less than 2.0 cfm at 75 Pascals when tested in accordance with ASTM E283. An exhaust fan housing with integral light shall not be required to be certified airtight. Exception: Recessed luminaires marked for use in fire-rated installations extruded into ceiling space and recessed luminaires installed in non-insulated ceilings.
04	150.0(k)1Ciii: Sealed with a gasket or caulk between the luminaire housing and ceiling, and all air leakage paths between conditioned and unconditioned spaces are sealed with a gasket or caulk, or be installed per manufacturer's instructions to maintain airtightness between the luminaire housing and ceiling. Exception: Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings.
05	150.0(k)1Civ: Meet the following requirements (California Electrical Code Article 410.116): • A recessed luminaire that is not identified for contact with insulation shall have all recessed parts spaced not less than 1/2 inch from combustible materials. The points of support and the trim finishing off the openings in the ceiling shall be permitted to be in contact with combustible materials. • A recessed luminaire that is identified for contact with insulation, Type IC, shall be permitted to be in contact with combustible materials at recessed parts, points of support, and portions passing through or finishing off the opening in the building structure. • Thermal insulation shall not be installed above a recessed luminaire or within 3 inches of the recessed luminaire's enclosure, wiring compartment, ballast, transformer, LED driver, or power supply unless the luminaire is identified as Type IC for insulation contact.

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

D. Light sources in enclosed or recessed luminaires (other than recessed downlight luminaires in ceilings)

Field	Field Name
01	150.0(k)1D: **Light Sources in Enclosed or Recessed Luminaires.** Lamps and other separable light sources in enclosed or recessed luminaires shall be in compliance with the JA8 elevated temperature requirements (in Section JA8.5), including marking requirements (marked with "JA8-2025-E").

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

E. Lighting Controls in bathrooms, garages, laundry rooms, utility rooms, and walk-in closets

Field	Field Name
01	150.0(k)2Ei: In **bathrooms, garages, laundry rooms, utility rooms, and walk-in closets,** at least one installed luminaire is controlled by an occupancy or vacancy sensor providing automatic-off functionality.

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

F. Lighting Controls in any interior rooms

Field	Field Name
01	150.0(k)2Eii: For lighting internal to drawers and cabinetry with opaque fronts or doors, the lighting has controls to turn light off when the drawer or door is closed are provided.
02	150.0(k)2F: Lighting in habitable spaces, including living rooms, dining rooms, kitchens, and bedrooms, have readily accessible wall-mounted dimming controls that allow the lighting to be manually adjusted up and down. Forward phase cut dimmers controlling LED light sources in these spaces comply with NEMA SSL 7A. EXCEPTION 1: Ceiling fans may provide control of integrated lighting via a remote control. Lighting integral to kitchen range hoods and bathroom exhaust fans EXCEPTION 2: Luminaires connected to a circuit with controlled lighting power less than 20 watts or controlled by an occupancy or vacancy sensor providing automatic-off functionality. EXCEPTION 3: Navigation lighting rated less than 5 watts, such as night lights, step lights, and path lights. Lighting controlled by automatic-off controls and located internal to drawers, cabinetry with opaque fronts, or cabinetry with doors.
03	150.0(k)2A: Lighting has readily accessible wall-mounted controls that allow the lighting to be manually turned ON and OFF.
04	150.0(k)2C:All lighting controls. Lighting controls comply with the applicable requirements in Section 110.9.
05	150.0(k)2D: Controls permitted. An energy management control system (EMCS) or a multi-scene programmable control can be used to comply with dimming, occupancy, and lighting control requirements in Section 150.0(k)2 if it provides the functionality of the specified controls in accordance with Section 110.9 and the physical controls specified in Section 150.0(k)2A. No controls shall bypass control functions of a dimmer, occupant sensor, or vacancy sensor where the dimmer or sensor has been installed to comply with Section 150.0(k)2.
06	150.0(k)2G: Independent controls Lighting integral to exhaust fans is controlled independently from the fans. Undercabinet lighting, undershelf lighting, interior lighting of display cabinets, and switched outlets are 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.

G. Address Signs

Field	Field Name
01	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. Outdoor Lighting and Controls

Field	Field Name
01	150.0(k)1A: High efficacy outdoor lighting or LED light sources are installed.
02	1. 150.0(k)3A: Outdoor lighting permanently mounted to a residential building or to the other buildings on the same lot shall meet the following requirements: a. Controlled by a manual ON and OFF control switch that permits the automatic actions of items ii below; and b. Controlled by one of the following controls: • a photocell and a motion sensor; or • a photocell and an automatic time switch control; or c. Controlled by an astronomical time clock control. 2. 150.0(k)3B: Controls that override to ON shall not be allowed unless the override automatically returns the automatic control to its normal operation within six hours. 3. 150.0(k)3C: 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.

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

I. Lighting for Residential Garages for Eight or More Vehicles

Field	Field Name
01	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.

J. Blank Electrical Boxes

Field	Field Name
01	150.0(k)1E: The number of electrical boxes that are more than five feet above the finished floor and do not contain a luminaire or other device shall be no greater than the number of bedrooms. These electrical boxes must be served by a dimmer, vacancy sensor control, low voltage wiring or fan speed control.

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

Documentation Author's Declaration Statement

1. I certify that this Certificate of Installation documentation is accurate and complete.

Author Name

Author Signature

Date Signed

Company Name

CEA/AEA/ECC Certification ID

Address

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:

1. The information provided on this Certificate of Installation is true and correct.
2. 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.
3. 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.
4. I understand 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 shall be made available to the enforcement agency for all applicable inspections. I will take the necessary steps to fulfill this requirement.
5. I understand that a completed signed copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy. I will take the necessary steps to fulfill this requirement.

Responsible Name

Responsible Signature

Date Signed

Company Name

Title

CSLB License

Address

City/State/Zip

Phone

For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-3300.

CF2R-LTG-01-E User Instructions

The CF2R-LTG-01-E is primarily used for demonstrating compliance with the residential lighting Standards for single-family dwellings.
Do not use this form to demonstrate compliance with lighting in high rise residential dwelling units and multi-family dwelling units.

Section A. Installed Lighting and Controls
This table is used to identify the scope of the 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 13 – 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 Luminous Efficacy Luminaires
This table is a list of mandatory requirements for high Luminous efficacy luminaires.

Section C. Recessed Downlight Luminaires in Ceilings
This table is a list of mandatory requirements for recessed downlight luminaires in ceilings.

Section D. Light sources in enclosed or recessed luminaires (other than recessed downlight luminaires in ceilings).
This table is a list of Light sources in enclosed or recessed luminaires.

Section E. Lighting Controls in bathrooms, garages, laundry rooms, and utility rooms, and walk-in closets.
This table is a list of mandatory requirements for LED luminaires.

Section F. Lighting Controls in any interior rooms
This table is a list of mandatory requirements for Lighting Controls in any interior rooms.

Section G. Address Signs.
This table is a list of mandatory requirements for Address Signs.

Section H. Outdoor Lighting and Controls
This table is a list of mandatory requirements for Outdoor Lighting and Controls.

Section I. Lighting for Residential Garages for Eight or More Vehicles
This table is a list of mandatory requirements for Lighting for Residential Garages for Eight or More Vehicles

Section J. Blank Electrical Boxes
This table is a list of mandatory requirements for Blank Electrical Boxes.