

**CERTIFICATE OF INSTALLATION**

Note: This table completed by HERS Registry.

Field Name	Data Entry	Field Name	Data Entry
Project Name		Enforcement Agent	
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	Yes or No	
01	High Luminous Efficacy luminaires installed in any interior rooms. (See Section B.)	Yes	No
02	JA8 compliant luminaires installed in any interior rooms. (See Section B.)	Yes	No
03	Recessed downlight luminaires in ceilings in any interior rooms. (See Section C.)	Yes	No
04	Light Sources in Enclosed or Recessed Luminaires. (See Section D.)	Yes	No
05	Lighting controls in bathrooms. (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 garage. (See Section E.)	Yes	No
09	Lighting controls in walk-in closets. (See Section E.)	Yes	No
10	Lighting controls in interior rooms except bathrooms, laundry rooms, utility rooms, and garages. (See Section F)	Yes	No
11	Screw based luminaires. (See Section G.)	Yes	No
12	Internally illuminated address signs. (See Section H.)	Yes	No
13	Outdoor lighting and controls. (See Section I.)	Yes	No
14	Parking Garages for eight or more Vehicles. (See Section J)	Yes	No
15	Blank Electrical Boxes installed more than 5 feet from finished floor. (See Section K.)	Yes	No

**B. High Luminous Efficacy Luminaires**

Field	Field Name
01	<p>150.0(k)1A and Table 150.0-A: All luminaires are installed with:</p> <ul style="list-style-type: none">• Light sources of one of the lighting technologies specified under the “High Luminous Efficacy” column of Table 150.0-A; or• JA8 compliant light sources and the light sources are marked with “JA8-2022” or “JA8-2022-E”. <p>Exception 1: Integrated device lighting: Lighting integral to exhaust fans, kitchen range hoods, bath vanity mirrors, and garage door openers, and non-removable lighting attached to ceiling fans.</p> <p>Exception 2: Navigation Lighting: Night lights, step lights, path lights less than 5 watts.</p> <p>Exception 3: Cabinet Lighting: Lighting internal to drawers, cabinetry, and linen closets with an efficacy of 45 lumens per watt or greater</p>
02	<ul style="list-style-type: none">• 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 “JA8-2022”.
03	150.0(k)1Cii: Has label certifying the luminaires are air tight with air leakage less than 2.0 cfm at 75 Pascals when tested in accordance with ASTM E283. Exception: Recessed luminaires marked for use in fire-rated installations, 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 Section 410.116). <ul style="list-style-type: none">• 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 that are not marked with “JA8-2022-E”, should not be installed in enclosed or recessed luminaires.

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	<p>150.0(k)2F: Lighting in habitable spaces, including but not limited to 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..</p> <p>EXCEPTION 1: Ceiling fans may provide control of integrated lighting via a remote control.</p> <p>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.</p> <p>EXCEPTION 3: Navigation lighting such as night lights, step lights, and path lights less than 5 watts, and lighting internal to drawers and cabinetry with opaque fronts or doors or with automatic off controls.</p>
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)2B: No controls bypasses a dimmer, occupant sensor or vacancy sensor function where that dimmer or sensor is installed to comply with Section 150.0(k)
05	150.0(k)2C: Lighting controls comply with the applicable requirements in Section 110.9.
06	150.0(k)2D: An Energy Management Control Systems (EMCS) or a multiscene 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 control in accordance with Section 110.9, and the physical controls (readily accessible wall-mounted controls that allow the lighting to be manually turned ON and OFF).
07	<p>150.0(k)2G: Independent controls</p> <ul style="list-style-type: none">• Integrated lighting of 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. Screw Based luminaires**

Field	Field Name
01	150.0(k)1B: Screw based luminaires shall contain lamps that are marked with “JA8-2022” or “JA8-2022-E”.

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

H. Address Signs

Field	Field Name
01	150.0(k)4: Internally illuminated address signs. Internally illuminated address signs shall either: <ul style="list-style-type: none">• 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.

I. Outdoor Lighting and Controls

Field	Field Name
01	150.0(k)1A and Table 150.0-A: High efficacy outdoor lighting or LED light sources are installed.
02	150.0(k)3A: Outdoor lighting is controlled by a manual ON and OFF switch that permits one of the following automatic actions: <ul style="list-style-type: none">• Controlled by a photocell and either a motion sensor or an automatic time switch control; or• Controlled by an astronomical time clock control. Controls 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.

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

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.

**K. Blank Electrical Boxes**

Field	Field Name
01	150.0(k)1E: The number of electrical boxes that are more than 5 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 Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
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:

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 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, and I will take the necessary steps to ensure this requirement is accomplished.
5. 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, and I will take the necessary steps to ensure this requirement is accomplished.

Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed:
Address:	License:
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

There are two version of the residential lighting Certificate of Installation. This version, the CF2R-LTG-01-E, is primarily 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. When using the CF2R-LTG-01-E to demonstrate compliance with the lighting in the dwelling units, compliance with lighting that is not in the dwelling units, such as lighting in common areas, shall be demonstrated using the nonresidential lighting compliance documentation.

The other version of the residential lighting Certificate of Compliance, the CF2R-LTG-02-E, is used for demonstrating compliance with the residential lighting Standards for low-rise multi-family dwellings. 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 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 15 – 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. Screw Based luminaires

This table is a list of mandatory requirements for Screw Based luminaires.

Section H. Address Signs.

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

Section I. Outdoor Lighting and Controls

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

Section J. 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 K. Blank Electrical Boxes

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