



CERTIFICATE OF INSTALLATION		NRCI-LTO-02-E
Energy Management Control System or Lighting Control System		(Page 1 of 3)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

GENERAL INFORMATION		
DATE OF BUILDING PERMIT:	PERMIT #:	
BUILDING TYPE	<input type="checkbox"/> Nonresidential Outdoor Lighting	
PHASE OF CONSTRUCTION	<input type="checkbox"/> New Construction	<input type="checkbox"/> Addition <input type="checkbox"/> Alteration

SCOPE OF RESPONSIBILITY	
<i>Enter the date of approval by enforcement agency of the Certificate of Compliance that provides the specifications for the energy efficiency measures for the scope of responsibility for this Installation Certificate.</i>	Date:

Requirements in the Standards:

§130.0(e) - Before an Energy Management Control System (EMCS), or Lighting Control System can be recognized for compliance with the lighting control requirements in Part 6 of Title 24, the person who is eligible under Division 3 of the Business and Professions Code to accept responsibility for the construction or installation of features, materials, components, or manufactured devices shall sign and submit this Installation Certificate.

If any of the requirements in this Installation Certificate fail the Energy Management Control System or Lighting Control System installation requirements, these options for controlling lighting shall not be recognized for compliance with the Building Energy Efficiency Standards.

Check all that apply:**PART 1 What type of Lighting Control System has been installed?**

- A. Energy Management Control System (EMCS)** - Is a computerized control system designed to regulate the energy consumption of a building by controlling the operation of energy consuming systems, such as the heating, ventilation and air conditioning (HVAC), lighting, and water heating systems, and is capable of monitoring environmental and system loads, and adjusting HVAC operations in order to optimize energy usage and respond to demand response signals.
- The Energy Management Control System has been installed to function as a lighting control required by Part 6 and functionally meets all applicable requirements for each application for which it is installed, in accordance with Sections 110.9, 130.0 through 130.5, 140.6 through 150.0, and 150.2; and complies with Reference Nonresidential Appendix NA7.7.2.
- The EMCS has been separately tested for each respective lighting control system for which it is installed to function as.
- B. Lighting Control System** - Requires two or more components to be installed in the building to provide all of the functionality required to make up a fully functional and compliant lighting control.
- The installed Lighting Control System complies with the requirements checked below; and all components of the system considered together as installed meet all applicable requirements for the application for which they are installed as required in Sections 130.0 through 130.5, Sections 140.6 through 140.8, Section 141.0, and Section 150.0(k).



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PART 2 Lighting Control Functional requirements:

Check all that apply when verifying the installation of an EMCS or Lighting Control System.

- A. All outdoor lighting controls and equipment have been installed in accordance with the manufacturer's instructions.
- B. The manufacturer has provided instructions for calibration.
- C. If indicator lights are integral to any components, such indicator lights consumes no more than 1 watt of power per indicator light.
- D. Components that are regulated by the Title 20 Appliance Efficiency Regulations have been certified to the Energy Commission.
- E. The EMCS or Lighting Control System functions as one or more of the outdoor lighting controls checked below, and complies with all of the following requirements:
 - 1. Outdoor Astronomical Time-Switch Controls meeting all requirements for Astronomical Time-Switch Control devices in the Title 20 Appliance Efficiency Regulations, including the requirement below:
 - a. Have setback functions that allow the lighting on each controlled channel to be switched or dimmed to lower levels. The set back functions shall be capable of being programmed by the user for at least one specific time of day
 - 2. Photocontrols meeting all requirements for Photo Control devices in the Title 20 Appliance Efficiency Regulations, including the requirement of not having a mechanical device that permits disabling of the control.
 - 3. Motion Sensors meeting all requirements for Motion Sensor devices in the Title 20 Appliance Efficiency Regulations, including that motion sensors are rated for outdoor use.

PART 3 Requirements for which the control is being installed to comply with:

Identify all requirements in the Standards for which the EMCS or Lighting Control System is installed to function as and complies with:

Check all that are applicable

- A. Section 130.2(c)1 Photocontrol
- B. Section 130.2(c)1 Outdoor astronomical time-switch control
- C. Section 130.2(c)1 Other control capable of automatically shutting OFF the outdoor lighting when daylight is available.
- D. Section 130.2 (c)3 Motion sensor
- E. Section 130.2 (c)4A Part-Night Outdoor Lighting Control
- F. Section 130.2 (c)4B Motion Sensor
- G. Section 130.2 (c)5A Part-Night Outdoor Lighting Control
- H. Section 130.2 (c)5B Motion Sensor
- I. Section 130.2 (c)5C Centralized time-based zone lighting control.



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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT		
1. 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 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:		
<ol style="list-style-type: none"> The information provided on this Certificate of Installation is true and correct. I am 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 (responsible builder/installer), otherwise I am an authorized representative of the responsible builder/installer. 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 plans and specifications approved by the enforcement agency. I reviewed a copy of the Certificate of Compliance approved by the enforcement agency that identifies the specific requirements for the scope of construction or installation identified on this Certificate of Installation, and I have ensured that the requirements that apply to the construction or installation have been met. 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 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. 		
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:

NRCI-LTO-02-E User Instructions

This Certificate of Installation must be submitted whenever a lighting control system, and whenever an Energy Management Control System (EMCS), has been installed to comply with any of the outdoor lighting control requirements in the Standards.

If this Certificate of Installation is not submitted, or if all of the appropriate boxes have not been checked, the lighting controls system or the EMCS will not be recognized for compliance with the lighting control requirements in the Standards.

Note that if lighting control systems are installed, a Certificate of Acceptance must also be submitted.

Check all appropriate boxes in this certificate as a declaration that the control system has been installed to meet all of the minimum specifications and functionalities.

- Part 1 – Identify if the system is a lighting control system, or an EMCS, by checking the appropriate boxes.
- Part 2 - Lighting Control Functional requirements: Check all boxes that apply to verify the functionality of the Lighting Control System or EMCS.
- Part 3 – Check all boxes to indicate what sections of the Standards the control has been installed to comply with.