

OUTDOOR LIGHTING EXISTING CONDITIONS

CEC-NRCC-LTO-04-E (Revised 04/16)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF COMPLIANCE	NRCC-LTO-04-E
Outdoor Lighting Existing Conditions	(Page 1 of 3)
Project Name:	Date Prepared:

A. General Information					
Project Address:					
1. Sum total of original, existing luminaires in the hardscape area =		2. Sum total of luminaires being added or altered =		3. Percentage of existing luminaires being altered ((Box 2 / Box 1) x 100%) =	
<p>Note(s):</p> <p>If the alteration increases the total connected lighting load, STOP. Projects that increase the connected lighting load must use 2016-NRCC-LTO-03 to determine the lighting power allowance, and do NOT use this form.</p> <p>If the total number of added or altered luminaires is less than five (5), or less than 10% of the existing luminaires, STOP. Outdoor lighting projects modifying less than five luminaires, or less than 10% of the existing luminaires, do not require compliance documentation (NRCC-LTO compliance documents) provided that they do not increase the total connected load.</p>					

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Project Name:	Date Prepared:	

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 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"> 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be 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 Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. 	
Responsible Designer Name:	Responsible Designer Signature:
Company :	Date Signed:
Address:	License:
City/State/Zip:	Phone:

NRCC-LTO-04-E User Instructions

Follow the instructions based on one of the following alterations described in items 1 through 4:

1. Alterations with an increase of connected lighting load (Section 141.0(b)2Li)

Fill out LTO-01, LTO-02, and LTO-03. LTO-04 is optional.

Use LTO-01 Table I, to record information of the replacement luminaires, newly installed luminaires, and altered luminaires. Do NOT use this form (LTO-04) to determine the allowed lighting power.

2. Alterations with NO increase of connected lighting load, and with at least 5 luminaires or 10% of existing luminaires being replaced. (Section 141.0(b)2Lii)

Fill out LTO-01, LTO-02, and LTO-04.

Use LTO-01 Table I, to record information of the replacement luminaires, newly installed luminaires, and altered luminaires.

Use LTO-04 Table B, to record the information of the original, existing luminaires.

3. Alterations with NO increase of connected lighting load, and with at least 5 luminaires or 50% of existing luminaires being replaced. (Section 141.0(b)2Liii)

Fill out LTO-01, LTO-02, and LTO-04.

Use LTO-01 Table I, to record information of the replacement luminaires, newly installed luminaires, and altered luminaires.

Use LTO-04 Table B, to record the information of the original, existing luminaires.

4. Alterations in which replacement luminaires have at least 40 percent lower power consumption compared to the original luminaires. (Exceptions to 141.0(b)2Liii)

Fill out LTO-01, LTO-02, and LTO-04.

Use LTO-01 Table I, to record information of the replacement luminaires, newly installed luminaires, and altered luminaires.

Use LTO-04 Table B, to record the information of the original, existing luminaires.

Section A. General Information

- **Project Address** is the address of the project as shown on the plans and as known to the enforcement agency.
- **Box 1 - Sum total of original, existing luminaires in the hardscape area** is the total number of original, existing luminaires installed in the hardscape area.
- **Box 2 - Sum total of luminaires being added or altered** is the number of original, existing luminaires being modified or replaced, plus the number of new luminaires being added (if any)
- **Box 3 - Percentage of existing luminaires being altered** is the number of added or altered luminaires from Box 2 divided by the total number of original, existing luminaires in Box 1.

Section B. Outdoor Luminaires Schedule

1. **Name or Item Tag** – for the luminaire
2. **Luminaire Description** - provide a brief description of the luminaire.
3. **Wattage per Luminaire** - indicate the wattage per luminaire.
4. **How Wattage was determined** – identify which method was used to determine luminaire wattage.
5. **Quantity** - indicate the number of original, existing luminaires.
6. **Total Wattage (Quantity x Wattage per Luminaire)** - indicate the total wattage of the original, existing outdoor lighting system.
For Alterations in which replacement luminaires have at least 40 percent lower power consumption compared to the original existing luminaires, multiply the Total Wattage by a multiplier of 0.60 and enter the adjusted value in the table and also enter the value in form LTO-01-E, Table C, Cell 01.

Documentation Author’s Declaration Statement

The “Documentation Author” is the person who prepared the energy compliance documentation and who signs the Declaration Statement. The person’s telephone number is given to facilitate response to any questions that arise. A Documentation Author may have additional certifications such as a Certified Energy Analyst certification number. Enter the certification number in the CEA# field provided.

Responsible Person’s Declaration Statement

The “Responsible Person” signing the Certificate of Compliance is required to be eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design, to certify compliance with Part 6. If more than one person has responsibility for the building design, each person (such as an eligible lighting designer) shall sign the Certificate of Compliance document(s) applicable to that portion of the design for which the person is taking responsibility for. Alternatively, the person with chief responsibility for the building design shall prepare and sign the Certificate of Compliance document(s) for the entire building design. The Responsible Person’s telephone number is given to facilitate response to any questions that may arise.