

**FOR PROJECTS THAT DO NOT REQUIRE FIELD VERIFICATION AND DIAGNOSTIC TESTING****CERTIFICATE OF COMPLIANCE**

This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.2, §140.7, and §141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies in low-rise multifamily mixed-use buildings. It is also used to document compliance with requirements in §160.5, §170.2(e)6, §180.1(a) and §180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for low-rise multifamily occupancies. Multifamily includes dormitory and senior living facilities.

Project Details

Field Name	Data Entry	Field Name	Data Entry
Project Name		Enforcement Agency	
Dwelling Address		Permit Number	
City and Zip Code		Date Permit Issued	

A. GENERAL INFORMATION

Field	Field Name	Data Entry
01	Project Location (city)	
02	Climate Zone	
03	Outdoor Lighting Zone per Title 24, Part 1 §10-114 or as designated by Authority Having Jurisdiction (AHJ):	<input type="checkbox"/> LZ-0: Very Low- Undeveloped Parkland <input type="checkbox"/> LZ-1: Low- Rural Areas <input type="checkbox"/> LZ-2: Moderate- Urban Clusters <input type="checkbox"/> LZ-3: Moderately High- Urban Areas <input type="checkbox"/> LZ-4: High-Must be reviewed by CA Energy Commission for Approval
04	Total Illuminated Hardscape Area (ft ²)	



Field	Field Name	Data Entry
05	Occupancy Types within Project	<input type="checkbox"/> Office <input type="checkbox"/> Low-Rise Residential Multifamily/ MF Mixed-use < 4 stories (includes dormitory, senior living) <input type="checkbox"/> School <input type="checkbox"/> Warehouse <input type="checkbox"/> Parking Garage <input type="checkbox"/> Retail <input type="checkbox"/> Hotel/Motel <input type="checkbox"/> Healthcare

Note:*Field 03:*

- *select all that apply*
- *set values in Table G and also Initial Wattage Allowance for Entire Site in Table I. Also affects which “Use it or Lose It” Allowances available in Table I.*
- *selected LZ-2: Moderate- Urban Clusters will triggers note #4 in comment of Table D table.*

Field 04: is used in Table L if Table L is applicable.

Field 05: select all that apply.

**B. PROJECT SCOPE**

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7/§170.2(e)6 or §141.0(b)2L/§180.2(b)4Bv for alterations.

My project consists of:

01	02
<input type="checkbox"/> New Lighting System	Must Comply with Allowances from §140.7/§170.2(e)6.
<input type="checkbox"/> Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? <input type="checkbox"/> Yes <input type="checkbox"/> No

03	04	05
% of Existing Luminaires Being Altered ¹	Sum Total of Luminaires Being Added or Altered	Calculation Method
<input type="checkbox"/> < 10% <input type="checkbox"/> ≥ 10% and < 50% <input type="checkbox"/> ≥ 50%		

Note: Below message will show up if "New Lighting System" is selected, or if Altered Lighting System column 02 is "Yes"

"Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires"

FOOTNOTES: 1 % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100

Note:

Field 01: Can select New or Altered, but not both.

- Selected "New lighting System" will trigger Table F/H/I.*
- Selected "Altered Lighting System" will only trigger Table F.*
- If the user clicks Y, Table I is triggered because they have to comply w Allowance per §140.7/§170.2(e)6. This also trigger the below note directing the user to proceed to Table F to input fixtures. This would also trigger Table H.*
- If user clicks N, fields 03,04, 05 are triggered to get more info on scope.*



Field 03:

- *Determines allowance in Table N.*
- *Selected "≥ 10% and < 50%" checkbox will triggers Table H if col 04 > 5. So does the "> 50%" checkbox if col 04 > 5.*

Field 05: This is the dropdown if > 50% is selected in field 03

- *Calculated Allowance per §140.7/§170.2(e)6 → triggers Table I*
- *40% Reduced Wattage Exception per §141.0(b)2L/§180.2(b)4Bv → triggers Table N*

Field 05: This is the dropdown if "> 10% and < 50%" or "<10%" is selected in field 03

- *Not Increasing Existing Power Method per §141.0(b)2L/§180.2(b)4Bv → triggers Table N*

**C. COMPLIANCE RESULTS**

Results in this table are automatically calculated from data input and calculations in Tables G through N.

Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see the applicable Table referenced below.

Calculation of Total Allowed Lighting Power (Watts) §140.7/§170.2(e)6 or §141.0(b)2L/§180.2(b)4Bv

Compliance Results

01	General Hardscape Allowance § 140.7(d)1/ § 170.2(e)6 (See Table I)			
	+	+	+	+
02	Per Application § 140.7(d)2/ § 170.2(e)6 (See Table J)			
	+	+	+	+
03	Sales Frontage § 140.7(d)2 (See Table K)			
	+	+	+	+
04	Ornamental § 140.7(d)2/ § 170.2(e)6 (See Table L)			
	+	+	+	+
05	Per Specific Area § 140.7(d)2/ § 170.2(e)6 (See Table M)			
	OR	OR	OR	OR
06	Existing Power Allowance § 141.0(b)2L/ § 180.2(b)4Bv (See Table N)			
	"	"	"	"
07	Total Allowed (Watts)			
	NI	NI	NI	NI
08	Total Actual (Watts) (See Table F)			
09	07 Must be ≥ 08			



Field Name	Data Entry
Shielding Compliance (See Table G for Details)	
Controls Compliance (See Table H for Details)	

Note:

Field 01: total General Hardscape Allowance in Table I, cell depends on which table is triggered.

Field 09: Says "COMPLIES" if 07 >= 08, otherwise says "DOES NOT COMPLY"

Shielding Compliance (See Table G for Details):

If G04 >= G05 (or G04 says "No Limit") and G07 >= G08 and G10 >= G11, then this says "Complies", otherwise, if Table G is triggered, it will say "DOES NOT COMPLY". If Table G is not triggered, it says "Not Applicable" (and turns grey like on LTI)

Controls Compliance (See Table H for Details):

If columns 02-04 are filled out in Table H Nonresidential/ Garage/ Common Area subtable AND

If columns 01-03 are completed in Table H Dwelling Unit subtable if subtable is triggered.

Otherwise says "Does Not Comply"

**D. EXCEPTIONAL CONDITIONS**

This table is full-out with uneditable comments because of selections made or data entered in tables throughout the form.

Data Entry

Comments:

The note about making changes in the NRCI/NRCA tables need to use.

- If LZ4 is selected in Table A, this note appears "Table A indicates LZ-4 as the lighting zone for this project. This designation requires approval by the CA Energy Commission."*
- Add a check for Table A column 04 and the sum of all rows in Table I column 03- but this only applies if Table I is triggered. If these numbers don't match, we'll need a note in Table D: "Total Hardscape Area in Table A does not match the areas entered in Table I. Please review for compliance."*
- Here is the note that should show up in Table D if the * Note in Table F is not entered by the user: "Table D. indicates a dropdown selection with a * requiring a note describing the compliance approach, but no notes have been entered."*
- Here is the note that should show up in Table D if the * Note in Table N is not entered by the user: "Table N. indicates a dropdown selection with a * requiring a note describing the compliance approach, but no notes have been entered."*
- If "Linear" checkbox is checked for any fixture in Table F column 02, trigger this note: "Linear lighting has been indicated on Table F. For these luminaires, wattage reported in F03 is in "W/lf" and Total Number Luminaires reported in F05 indicates total linear feet (lf) of that luminaire type."*

**E. ADDITIONAL REMARKS**

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Data Entry

Comment:

The note about making changes in the NRCI/NRCA tables need to use.

- If LZ4 is selected in Table A, this note appears "Table A indicates LZ-4 as the lighting zone for this project. This designation requires approval by the CA Energy Commission."*
- Add a check for Table A column 04 and the sum of all rows in Table I column 03- but this only applies if Table I is triggered. If these numbers don't match, we'll need a note in Table D: "Total Hardscape Area in Table A does not match the areas entered in Table I. Please review for compliance."*
- Here is the not that should show up in Table D if the * Note in Table F is not entered by the user: "Table D. indicates a dropdown selection with a * requiring a note describing the compliance approach, but no notes have been entered."*
- Here is the not that should show up in Table D if the * Note in Table N is not entered by the user: "Table N. indicates a dropdown selection with a * requiring a note describing the compliance approach, but no notes have been entered."*
- If "Linear" checkbox is checked for any fixture in Table F column 02, trigger this note: "Linear lighting has been indicated on Table F. For these luminaires, wattage reported in F03 is in "W/lf" and Total Number Luminaires reported in F05 indicates total linear feet (lf) of that luminaire type."*

**F. OUTDOOR LIGHTING FIXTURE SCHEDULE**

For new or altered lighting systems demonstrating compliance with §140.7/§170.2(e)6 all luminaires being installed, and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L, only new luminaires being installed, and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining, or existing luminaires being moved are not included).

Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Complete Luminaire Description	Watts per luminaire ^{1, 2}	How Wattage is Determined	Total Number Luminaires ²	Luminaire Status ³	Excluded per § 140.7(a)/ § 170.2(e)6A	Design Watts	<u>Cutoff Req.</u> ≥ 6,200 initial lumen output § 130.2(b)/§ 160.5(c)1 ⁴	Field Inspector
		<input type="checkbox"/> Linear					<input type="checkbox"/>			<input type="checkbox"/> Pass <input type="checkbox"/> Fail
		<input type="checkbox"/> Linear					<input type="checkbox"/>			<input type="checkbox"/> Pass <input type="checkbox"/> Fail
		<input type="checkbox"/> Linear					<input type="checkbox"/>			<input type="checkbox"/> Pass <input type="checkbox"/> Fail



Field Name	Data Entry
Total Designed Watts:	

FOOTNOTES:

¹Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)/§160.5(b).

²For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires.

³Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration.

Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining.

Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.

⁴Compliance with mandatory shielding requirements is required for luminaires with initial lumen output $\geq 6,200$ unless exempted by §130.2(b)/§160.5(c).

Note:

Field 02: Linear if checked in ANY row, trigger note in on Table D

Field 06:

- If Table B column 01 says "New Lighting System" the only choice in this dropdown should be "new"
- If B.01 = "altered" then F.06 should show all four options
- If Table B column 05 says "Reduced Existing Power Method" OR "Maintain Existing Power Method" the only choices for this dropdown should be "New" and "Altered".
- If Table B column 05 says "Calculated Allowance. per S140.7" all 4 choices here will be in dropdown.

Field 09:

- when any of these "NA:" options are selected, Table G does not trigger (or this fixture is not listed in Table G).
- Not used if field 06 is "Exist. Remain" or "Exist. Reinstall"

Total Designed Watts: sum of column 08

**G. SHIELDING REQUIREMENTS (BUG)**

This table includes fixtures of $\geq 6,200$ initial luminaire lumens indicated on Table F as needing to comply with Shielding Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.

01	02	03	04	05	06	07	08	09	10	11	12
Name or Item Tag	Complete Luminaire Description	Backlight Rating ² Mounting Height from Property Line ¹	Backlight Rating ² Max Allowable Backlight Rating ³	Backlight Rating ² Backlight Rating Per Design	Uplight Rating ² ² Lighting Type	Uplight Rating ² Max Allowable Uplight Rating ³	Uplight Rating ² Uplight Rating Per Design	Glare Rating ² Mounting Height from Property Line ¹	Glare Rating ² Max Allowable Glare Rating ³	Glare Rating ² Glare Rating Per Design	Field Inspector
											<input type="checkbox"/> Pass <input type="checkbox"/> Fail
											<input type="checkbox"/> Pass <input type="checkbox"/> Fail
											<input type="checkbox"/> Pass <input type="checkbox"/> Fail



FOOTNOTES:

¹ Mounting Height is labeled MH in this table

² Authority having jurisdiction may ask for luminaire cut sheets or other documentation to confirm luminaire type, backlight, uplight, and glare ratings used for compliance per §130.2(b)/§160.5(c).

³ BUG ratings with a lower number than the 'Max Allowable' are compliant. Ex. If Max Allowable is Bug Rating is B4, then B0, B1, B2, B3 and B4 are all compliant.

Note:

Field 03: depending on selection made, Max Allowable ratings from Table 5.106.8 will fill out, based on LZ entered in Table A.

Field 06: depending on selection made, Max Allowable ratings from Table 5.106.8 will fill out, based on LZ entered in Table A.

Field 09: depending on selection made, Max Allowable ratings from Table 5.106.8 will fill out, based on LZ entered in Table A.

**H. OUTDOOR LIGHTING CONTROLS**

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.

Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit.

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Service Areas in Multifamily Buildings

01	02	03	04	05
Area Description	Shut-Off §130.2(c)1/§160.5(c)	Auto-Schedule §130.2(c)2/§160.5(c)	Motion Sensor §130.2(c)3/§160.5(c)	Field Inspector
				<input type="checkbox"/> Pass <input type="checkbox"/> Fail
				<input type="checkbox"/> Pass <input type="checkbox"/> Fail
				<input type="checkbox"/> Pass <input type="checkbox"/> Fail



This entire subtable is new 2022 and is triggered if user selects "Multifamily/Mixed-Use" in Table A - A05

Outdoor Lighting Controlled from Inside Multifamily Dwelling Units

This table documents compliance with mandatory requirements for outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit per §160.5(a). Outdoor lighting systems in common use areas providing shared provisions for living, eating, cooking, or sanitation to dwelling units that would otherwise lack these provisions may document compliance with §160.5(a) in this table or may document compliance with outdoor lighting for nonresidential occupancies.

01	02	03
Space Name	Compliant Light Sources ^{1,2} §160.5(a)1	Mandatory Controls §160.5(a) Shut-Off
	<input type="checkbox"/> LED <input type="checkbox"/> w hardwired high frequency generator & induction lamp <input type="checkbox"/> Pin-based linear fluorescent/ CFL w electronic ballast <input type="checkbox"/> HID (inc. pulse-start metal halide & high-pressure sodium) <input type="checkbox"/> NA: Integral to garage door opener <input type="checkbox"/> NA: Night, step, or path light < 5W	



01	02	03
	<ul style="list-style-type: none"><input type="checkbox"/> LED<input type="checkbox"/> w hardwired high frequency generator & induction lamp<input type="checkbox"/> Pin-based linear fluorescent/ CFL w electronic ballast<input type="checkbox"/> HID (inc. pulse-start metal halide & high-pressure sodium)<input type="checkbox"/> NA: Integral to garage door opener<input type="checkbox"/> NA: Night, step, or path light < 5W	
	<ul style="list-style-type: none"><input type="checkbox"/> LED<input type="checkbox"/> w hardwired high frequency generator & induction lamp<input type="checkbox"/> Pin-based linear fluorescent/ CFL w electronic ballast<input type="checkbox"/> HID (inc. pulse-start metal halide & high-pressure sodium)<input type="checkbox"/> NA: Integral to garage door opener<input type="checkbox"/> NA: Night, step, or path light < 5W	



Field	Field Name	Data Entry
04	Recessed Downlights ³ §160.5(a)1C	<i>i. Shall not contain screw base lamp sockets; and ii. Have a label that certifies the luminaire is 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; and iii. Be sealed with a gasket or caulk between the luminaire housing and ceiling and have all air leak paths between conditioned and unconditioned spaces sealed with a gasket or caulk, or be installed per manufacturer's instructions to maintain airtightness between the luminaire housing and ceiling; and iv. Meet the clearance and installation requirements of California Electrical Code Section 410.116 for recessed luminaires; and v. Lamps and other separable light sources that are not compliant with the JA8 elevated temperature requirements, including marking requirements, shall not be installed in enclosed or recessed luminaires.</i>

FOOTNOTE:

¹ Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.

² Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.

³ Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.

Note:

Field 02: select all that apply in entire subtable

**I. LIGHTING POWER ALLOWANCE (per §140.7/170.2(e))**

This table includes areas using the allowance calculations per §140.7/§170.2(e)6. General Hardscape Allowance is per Table 140.7-A/ Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B/Table 170.2-S. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

01	01	01	01	01
<input type="checkbox"/> General Hardscape Allowance	"Use it or lose it" Allowances <input type="checkbox"/> Per Application	"Use it or lose it" Allowances <input type="checkbox"/> Sales Frontage	"Use it or lose it" Allowances <input type="checkbox"/> Ornamental	"Use it or lose it" Allowances <input type="checkbox"/> Per Specific Area
Table I (below)	Table J	Table K	Table L	Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA) Illuminated Area (ft ²)	Area Wattage Allowance (AWA) Allowed Density (W/ft ²)	Area Wattage Allowance (AWA) Area Allowance (Watts)	Linear Wattage Allowance (LWA) Perimeter Length (lf)	Linear Wattage Allowance (LWA) Allowed Density (W/lf)	Linear Wattage Allowance (LWA) Linear Allowance (Watts)	Total General AWA + LWA (Watts)



02	03	04	05	06	07	08	09

Field Name	Data Entry
Initial Wattage Allowance for Entire Site (Watts)	
Instances of Initial Wattage Allowance (LZ 0 only) ¹	
Total General Hardscape Allowance (Watts)	

¹ FOOTNOTES: Number of entrances to parking areas, trail heads, fee payment kiosks, outhouses and toilet facilities on site where lighting is within project scope.

Note:

Field 01:

- General Hardscape Allowance:
 - Select this will trigger table: Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for user input if Multifamily is NOT selected in A05.
 - Calculated General Hardscape Lighting Power Allowance per Table 170.2-R for Multifamily & Multifamily Mixed-Use for user input if Multifamily IS selected in A05.
- Select "Per Application" triggers Table J.
- Select "Sales Frontage" triggers Table K.
- Select "Ornamental" triggers Table L.
- Select "Per Specific Area" triggers Table M.

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A

Field 04: use Table 140.7-A based on LZ specified in Table A of this form.

Field 07: use Table 140.7-A based on LZ specified in Table A of this form.



Calculated General Hardscape Lighting Power Allowance per Table 170.2-R for Multifamily & Multifamily Mixed

Field 04: LZ 0 allows 15W per instance, so need to add this field for LZ 0 in A03 only. Not use for all other LZ.

Initial Wattage Allowance for Entire Site (Watts):

This can be used by Table 170.2-R based on LZ specified in Table A of this form (see list below for values).

LZ 0: 15 (allowed in Footnote 1 of 170.2-R table)

LZ 1: 300

LZ 2: 350

LZ 3: 400

LZ 4: 450

- This does not use if "General Hardscape Allowance" isn't checked above.
- This does not use if "Altered Lighting System" is checked in Table B column 01

Instances of Initial Wattage Allowance (LZ 0 only)¹: LZ 0 allows 15W per instance, so need to add this field for LZ 0 in A03 only. Not used for all other LZ.

Total General Hardscape Allowance (Watts): sum of col05 (AWA) + (G22 (IWA)*instances)



CEC-LMCC-LTO-01-E

This table includes areas using the wattage allowance per application from Table-140.7-B/Table 170.2-S.

[illegible]



Field Name	Data Entry
Total Design Watts for this Area	

Field Name	Data Entry
Total Allowance (Watts) All Areas	

FOOTNOTES:

¹ Primary entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities.

² The Allowance per Location for ATMs is 100W for the first ATM and 35W for each additional per Table 140.7-B/Table 170.2-S.

³ For luminaires indicated in Table F as linear, wattage in column 07 is W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 08 instead of number of luminaires.

Note:

Field 04: use Table 140.7-A based on LZ specified in Table A of this form.

Field 06: dropdown from Table F

Field 07: dropdown from Table F.

Total Design Watts for this Area: sum of field 09 for the area

Total Allowance (Watts) All Areas: sum of field 10

**K. LIGHTING ALLOWANCE: SALES FRONTAGE**

This table includes areas using the wattage allowance for Outdoor Sales Frontage from Table-140.7-B. This allowance may be used for one or two frontage side(s) per site.

01	02	03	04	05	06	07	08	09
Area Description	Calculated Allowance (Watts) # of Locations	Calculated Allowance (Watts) Allowed Density (W/lf)	Calculated Allowance (Watts) Extra Allowance (Watts)	Design Watts Luminaire Name or Item Tag	Design Watts Watts per Luminaire ¹	Design Watts # of Luminaires ¹	Design Watts	Additional Allowance (Watts)



Field Name	Data Entry
Total Design Watts for this Area	

Field Name	Data Entry
Total Allowance (Watts) All Areas	

¹FOOTNOTES: For luminaires indicated in Table F as linear, wattage in column 06 is W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 07 instead of number of luminaires.

Note:

Field 03: use Table 140.7-A based on LZ specified in Table A of this form.

Field 05: dropdown from Table F.

Field 06: dropdown from Table F.

Total Design Watts for this Area: sum of field 08 for the area

Total Allowance (Watts) All Areas: sum of field 09

**L. LIGHTING ALLOWANCE: ORNAMENTAL**

This table includes all ornamental luminaires within the scope of the permit application to calculate the allowance per Table 140.7-B/Table 170.2-S.

01	03	04	05	06	07	08	09	10
Area Description	Calculated Allowance (Watts) Illuminated Area (ft ²)	Calculated Allowance (Watts) Allowed Density (W/lf)	Calculated Allowance (Watts) Extra Allowance (Watts)	Design Watts Luminaire Name or Item Tag	Design Watts Watts per Luminaire ²	Design Watts # of Luminaires ²	Design Watts	Additional Allowance (Watts)



Field Name	Data Entry
Total Design Watts for this Area	

Field Name	Data Entry
Total Allowance (Watts) Ornamental	

FOOTNOTES:

¹ Luminaires qualifying for this allowance shall be rated < 50W and shall be post-top luminaires, lanterns, pendants or chandeliers.

² For luminaires indicated in Table F as linear, wattage in column 06 is W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 07 instead of number of luminaires.

Note:

Field 03: use Table 140.7-A based on LZ specified in Table A of this form.

Field 05: dropdown from Table F.

Field 06: dropdown from Table F.

Total Design Watts for this Area: sum of field 08 for the area

Total Allowance (Watts) All Areas: sum of field 09



CEC-LMCC-LTO-01-E

This table includes areas using the wattage allowance per specific area type from Table 140.7-B/Table 170.2-S. More than one specific area allowance may be taken in a single project, if applicable. However, multiple specific area allowances may not be taken for the exact same area on the site.

[illegible]



Field Name	Data Entry
Total Design Watts for this Area	

Field Name	Data Entry
Total Allowance (Watts) All Areas	

FOOTNOTES:

¹See Table 140.7-B/Table 170.2-S for the rules for calculating the specific areas (ft²) for these additional lighting allowances.

² For luminaires indicated in Table F as linear, wattage in column 07 is W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 08 instead of number of luminaires.

Note:**Field 02:**

- Bldg Façade: not use for LZ1
- Sales Canopies: not use for LZ1
- Student Pick-up/ Drop-off: not use for LZ1 or LZ4
- Security for Retail Parking & Pedestrian Hardscape: not use for LZ4
- Security Camera in General Hardscape > 10ft from Bldg: not use for LZ1

Field 04: add new allowance for security cameras in LZ2, 3, 4. See Table 140.7-B

Field 06: dropdown from Table F.

Field 07: dropdown from Table F.

Total Design Watts for this Area: sum of field 09 for the area

Total Allowance (Watts) All Areas: sum of field 10

**N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)**

This table includes all existing luminaires being replaced to establish the lighting power allowance per §141.0(b)2Lii, §141.0(b)2Liii or §180.2(b)4Bvb and §180.2(b)4Bvc. Existing luminaires that are remaining or being moved should NOT be included.

Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

01	02	03	04	05	06	07
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ^{1,2}	How Wattage is Determined	# of Luminaires Being Replaced ²	Existing Watts	Field Inspector
						<input type="checkbox"/> Pass <input type="checkbox"/> Fail
						<input type="checkbox"/> Pass <input type="checkbox"/> Fail
						<input type="checkbox"/> Pass <input type="checkbox"/> Fail



Field Name	Data Entry
<i>* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved. EX: Photograph of existing luminaire</i>	

FOOTNOTES:

¹Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)/§160.5(b).

²For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires.

Note:

Total Existing Watts: sum of field 06

Allowance per §141.0(b)2L/§180.2(b)4Bv: If Table B column 03 has ">=10% and <50%" selected, this cell = Total Existing Watts.

If Table B column 03 has ">=50%" selected, this cell = Total Existing Watts x 0.60. This # transfers to Table C.

**SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS****O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION**

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online.

YES	NO	Form/Title	Field Inspector
<input checked="" type="radio"/>	<input type="radio"/>	LMCI-LTO-E - Must be submitted for all buildings.	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Note:

Default to "Yes" but user can change. If user moves to "No" need to include note in Table D.

Registration Number:

Registration Date/Time:

HERS Provider:

**SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS****P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit:

<http://www.energy.ca.gov/title24/attcp/providers.html>.

YES	NO	Form/Title	Field Inspector
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Note:

If user moves to "No" need to include note in Table D.

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

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

SIGNATORY	Entry
Documentation Author Name	
Documentation Author Signature	
Company	
Date Signed	
CEA/HERS Certification Identification (if applicable)	
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 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 understand that a registered 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.
6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.



SIGNATORY	Entry
Responsible Designer Name	
Responsible Designer Signature	
Company	
Date Signed	
License	
Address	
City/State/Zip	
Phone	

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