

# Your FORMula for Success!

**Forms Ace™ + Energy Code Ace Lighting Wheel + NEW Energy Commission Dynamic Forms**  
*Improve your performance and cross the finish line faster with these 3 tools!*

**Here's how to race through nonresidential lighting projects:**

**1 Start your engines with the Forms Ace!**

Determine which compliance forms are applicable to your specific project with Energy Code Ace's easy-to-use online Forms Ace tool.

- Identify steps necessary for your project to comply with Title 24, Part 6
- Understand which compliance path is simplest to pursue
- Identify which Title 24, Part 6 forms will be required for your addition, alteration or new construction project and generate a checklist

**2 Nonresidential Lighting Wheel**

Take the wheel to understanding and interpreting the lighting standards and controls. Loads of helpful information at your fingertips puts you in the compliance driver's seat.

A quick reference to check if nonresidential indoor lighting installations meet Title 24, Part 6 requirements for both new construction and alterations:

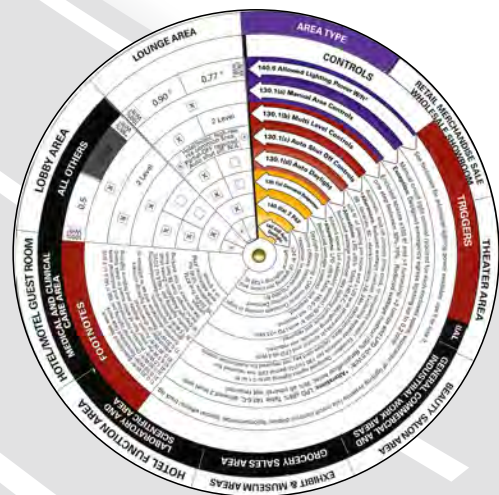
- Allowed lighting power (W/ft<sup>2</sup>) for a given lighting area category
- Lighting controls necessary for a given area category
- Special considerations and exceptions for the above

**Key Features:**

- Shows both the Area Category and Reduced Wattage approaches
- Supports the Area Category LPD allowances per Table 140.6 C - including the footnote allowances
- Perfect for professionals who design, specify, install or inspect nonresidential lighting installations
- Fun to use!

**Want to Learn More?**

- Ask an Energy Code Ace Rep for a demo!
- Watch our video demonstration on the Energy Code Ace YouTube Channel: [youtube.com/channel/UCQW7cjrRM1sr9Pjw-7FF9CQ](http://youtube.com/channel/UCQW7cjrRM1sr9Pjw-7FF9CQ)



To order Nonresidential Lighting Wheels for your colleagues and clients visit:  
<http://fruitridge.co/energycode/main2.php>  
Username: EnergyCodeAce  
Password: LightWheel

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## NEW Dynamic Forms

These new dynamic forms will turbo charge your compliance process!

- NRCC-LTI-E, NRCC-LTO-E & NRCC-LTS-E – Available Now!

The Energy Commission heard you and has worked to design an easier-to-use form to simplify prescriptive compliance.

### Key Features Include:

- ONE document for ANY nonresidential indoor lighting project, no matter the scope or calculation method
- Hyperlinks to the Standards to show what requirements are being documented
- Compliance message shows if the project COMPLIES or DOES NOT COMPLY based on form data
- Auto-indication of which NRCI & NRCA documents apply
- Built in limitations help guide users towards compliance
- Single signature page

### Benefits

Plans Examiners	Building Inspectors & Acceptance Test Technicians	Lighting Designers & Energy Consultants
<ul style="list-style-type: none"> <li>• One form for all Nonresidential Prescriptive Indoor Lighting projects means no wondering if something has not been submitted</li> <li>• Quick check of Compliance Results on first page will indicate if data in form is compliant with the Energy Standards</li> <li>• Exceptional conditions or items to priority check are auto-generated in Table D</li> <li>• Redesigned layout intended to mimic lighting fixture schedule for easy comparison to contract documents</li> <li>• All calculations and transferring of numbers is automatic, limiting the chance for user errors when form is completed</li> <li>• Built in limitations for drop-down choices and table completion help guide users towards compliant designs</li> </ul>	<ul style="list-style-type: none"> <li>• Field Inspector checkboxes included where field verification is important</li> <li>• Auto-indication of applicable NRCI and NRCA forms eliminates guessing in the field</li> <li>• Controls Table split into “Building Level” and “Area Level” controls shows how compliance is achieved for Mandatory and Prescriptive controls requirements</li> <li>• Controls Table includes drop-down menus to specify type of control used to meet requirements</li> <li>• Controls Table requires user notes if an Exception to controls requirements in the Energy Standards is used for a space</li> </ul>	<ul style="list-style-type: none"> <li>• One form to complete that expands based on project scope limits the paperwork that must be included on plan set and eliminates confusion about which form to complete</li> <li>• Compliance Results table indicates whether data in form complies prior to permit application</li> <li>• Auto-calculations limit the chance for user errors during completion</li> <li>• All tables reference applicable sections of the Energy Standards and hyperlink to the code language limiting confusion about what requirements are being documented in a table</li> <li>• Exceptional Conditions table gives errors during form completion to be resolved prior to permit application</li> <li>• “Smart” features of form (drop-downs, auto-calculations, auto-completions) guide user towards compliant permit applications</li> </ul>

### Want to Learn More?

- Watch our recorded session of:



<http://energycodeace.com/decoding-talks>

- Take our Online Self-Study course on the new Forms:

<http://energycodeace.com/training>

STATE OF CALIFORNIA  
**Indoor Lighting**  
NRCC-LTI-E (Form 112)

CALIFORNIA ENERGY COMMISSION  
NRCC-LTI-E

CERTIFICATE OF COMPLIANCE  
This document is used to demonstrate compliance with requirements in §110.9, §180.0, §180.1, §180.6, and §181.002 for indoor lighting scopes using the prescriptive path.

Project Name: \_\_\_\_\_ Report Page: \_\_\_\_\_ Page # of ##  
 Project Address: \_\_\_\_\_ Date Prepared: \_\_\_\_\_

**A. GENERAL INFORMATION**

01: Project Location (City) \_\_\_\_\_ 04: Total Conditioned Floor Area (ft<sup>2</sup>) \_\_\_\_\_  
 02: Climate Zone \_\_\_\_\_ 05: Total Unconditioned Floor Area (ft<sup>2</sup>) \_\_\_\_\_  
 03: Occupancy Types Within Project (select all that apply): \_\_\_\_\_ 06: # of Stories (Habitable Above Grade) \_\_\_\_\_  
 Office  Retail  Warehouse  Hotel/Motel  School  Support Areas  
 Parking Garage  High-Rise Residential  Relocatable  Other (write in): \_\_\_\_\_

**B. PROJECT SCOPE**

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §180.0 or §181.002 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
	04	05	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft <sup>2</sup> )	Calculation Method	Area (ft <sup>2</sup> )
<input type="checkbox"/> New Lighting System			<input type="checkbox"/> Add New Lighting System	<input type="checkbox"/> Remove Last New Systems
<input type="checkbox"/> Altered Lighting System			<input type="checkbox"/> Add Altered Lighting System	<input type="checkbox"/> Remove Last Altered System
Total Area of Work (ft <sup>2</sup> )				

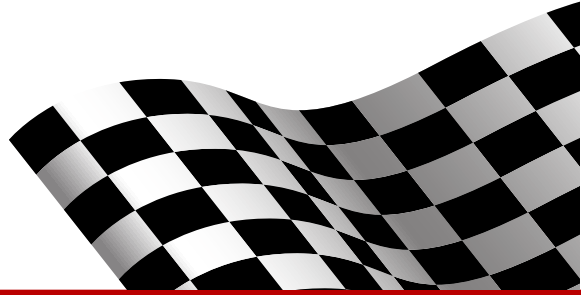
**C. COMPLIANCE RESULTS**

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §180.002.	Calculation of Total Allowed Lighting Power (Watts) §180.6(b), (a)2						Compliance Results		
	01	02	03	04	05	06	07	08	09
	Complete Building §180.6(c)1	Area Category §180.6(c)2	Portable Lighting in Offices §180.6(a)1	Area Category Footnotes §180.6(c)2(a)	Tailored §180.6(c)3	PAF Lighting Control Credits §180.6(a)2	Total Allowed (Watts) §180.6(a)1	Total Designed (Watts) §180.6(a)1	(07 Must be ≥ 08) §180.6
	(See Table I)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	(See Table R)	(a)2, (a)1	(See Table F)	
Conditioned:	+	+	+	+	+	=	≥		
Unconditioned:	+	+	+	+	+	=	≥		

Controls Compliance (See Table H for Details)  
 Rated Power Reduction Compliance (See Table S for Details)

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2017



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