



International Energy Conservation Code Consensus Committee-Commercial

Meeting Agenda (Draft 11/23)

November 30, 2022

2:00 PM Eastern to 5:00 PM Eastern (3 hours)

[Webex Link](#)

Committee Chair: Duane Jonlin
Committee Vice Chair: Emily Hoffman

1. Call to order.
2. Meeting Conduct. Staff
 - a. Identification of Representation/Conflict of Interest
 - b. ICC [Council Policy 7](#) Committees: Section 5.1.10 Representation of Interests
 - c. ICC [Code of Ethics](#): ICC advocates commitment to a standard of professional behavior that exemplifies the highest ideals and principles of ethical conduct which include integrity, honesty, and fairness. As part of this commitment it is expected that participants shall act with courtesy, competence and respect for others.
 - d. ICC [Antitrust Compliance Guideline](#)
3. Roll Call – Hoffman
4. Approval of Agenda
5. Approval of Minutes from November 15, 2022
6. Administrative issues.
7. Action Items.
 - a. Public Comment Draft 1 Proposals from Subcommittees
 - CECD1-1-22(Range Hood lighting) Elec Power SC approved 14-0-1
 - CEDC1-2-22(C503.5 lighting alt) Elec Power SC approved 7-0-4
8. Subcommittee Reports
9. Other business.
 - a. Public comment on any matters discussed at the meeting (Please limit comments to 2 minutes. Further comments can be directed to the Secretariat following the meeting to be considered at a future meeting.)
10. Next meeting Wednesday, December 14 at 2:00 pm Eastern

11. Adjourn.

FOR FURTHER INFORMATION BE SURE TO VISIT THE ICC WEBSITE:

IECC Commercial Consensus Committee Webpage

<https://www.iccsafe.org/products-and-services/i-codes/code-development/cs/iecc-commercial-consensus-committee/>

ICC Energy webpage

<https://www.iccsafe.org/products-and-services/codes-standards/energy/>

Code Change Proposal Submittals

<https://energy.cdpass.com/login/>

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

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International Code Council

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International Energy Conservation Code Code Change Proposal Tracking Sheet

Proposal #	CECD1-1-22 Range hood lighting
CDP ID #	
Code	IECC CE
Code Section(s)	
Location	
Proponent	EPLR Subcommittee
Proposal Status	SC review
Subcommittee	CE Elec, Light
Subcommittee Notes	
Recommendation	Reason Statement: Clarification which appliances are required; Range hoods and exhaust fans offer high efficacy options, and they should be included.
Vote	Approve 14-0-1
Recommendation Date	11/14/22
Next Step	To Subcommittee To Advisory Group _____ To Consensus Committee _____
Consensus Committee	
Committee Response	
Vote	Affirmative _____ Negative _____ Table _____ To Subcommittee _____
Date	

C405.1.1 Lighting for dwelling units. No less than 90 percent of the permanently installed lighting serving sleeping units and dwelling units, including lighting integrated into range hoods and exhaust fans, shall be provided by lamps with an efficacy of not less than 65 lm/W or luminaires with an efficacy of not less than 45 lm/W.

Exceptions:

1. Lighting integral to other appliances ~~or exhaust hood~~.
2. Antimicrobial lighting used for the sole purpose of disinfecting.

C405.2.5 Specific application controls. Specific application controls shall be provided for the following:

5. Lighting integrated into range hoods and exhaust fans shall be controlled independently of fans.

PLR only voted out the above C405 portions,. Vote was 14 Yes, 0 No, 1 Abstain/CNV. Reason Statement: Clarification which appliances are required; Range hoods and exhaust fans offer high efficacy options, and they should be included.



International Energy Conservation Code Code Change Proposal Tracking Sheet

Proposal #	CECD1-2-22 C503.5 Lighting alterations
CDP ID #	
Code	IECC CE
Code Section(s)	
Location	
Proponent	EPLR Subcommittee
Proposal Status	SC review
Subcommittee	CE Elec, Light
Subcommittee Notes	
Recommendation	Reason Statement: This proposal improves the clarity and enforceability of the lighting alterations requirements
Vote	Approve 7-0-4
Recommendation Date	11/21/22
Next Step	To Subcommittee To Advisory Group _____ To Consensus Committee _____
Consensus Committee	
Committee Response	
Vote	Affirmative _____ Negative _____ Table _____ To Subcommittee _____
Date	

C503.5 Lighting systems. New lighting systems that are part of the alteration shall comply with Sections C405 and C408.

Exception: Alterations that replace less than 10 percent of the luminaires in a space, provided that such alterations do not increase the installed interior lighting power.

C503.5.1 Lighting acceptance testing. Where an alteration requires compliance with Section C405 or any of its subsections, lighting systems that serve the alteration shall comply with Section C408.3.

Replace C503.5 in its' entirety with the following:

C503.5 Lighting systems. Lighting systems that are part of the *alteration* shall comply with Sections C503.5.1 and C503.5.2.

C503.5.1 Interior Lighting and Controls. *Alterations* to interior spaces, lighting, or controls shall comply with the following:

1. Where the area of interior spaces is altered, those spaces shall comply with the lighting power requirements of Section C405 and those spaces shall comply with the lighting control requirements of Sections C405 and C408.
2. Where the lighting within interior spaces is altered, those spaces shall comply with the lighting power requirements of C405 and those spaces shall comply with the lighting control requirements of C405 and C408.
3. Where the lighting controls within interior spaces are altered, those spaces shall comply with the lighting control requirements of Sections C405 and C408.

Exception: Compliance with Section C405.2.9 is not required for *alterations*.

C503.5.4 Exterior Lighting and Controls. *Alterations* to exterior lighting and *controls* shall comply with the following:

1. Where the connected exterior lighting power is increased by more than 400 Watts, all exterior lighting, including lighting which is not proposed to be altered, shall comply with lighting power requirements of Section C405.5.
2. Where the combined power of added and replacement luminaires is more than 400 Watts, all lighting which is added or altered shall be controlled in accordance with Sections C405.2 and C408.

Exception: Individual luminaires less than 50 Watts which pass functional tests verifying that lights are automatically shut off where daylight is present.

3. Where exterior lighting *controls* are added or altered, those portions of the lighting control system which are added or altered shall comply with Sections C405.2 and C408.

Reason Statement:

This proposal provides a set of comprehensive provisions for the alteration of lighting systems which addresses several long-standing problems with the existing code language:

1. It is not clear whether existing light fixtures can be altered without a requirement that existing lighting controls also be altered to comply with the current code, and vice-versa.

This proposal clearly specifies when alterations to one trigger mandatory compliance upgrades for the other.

2. It is not clear how compliance should be determined for exterior lighting alterations. For interior spaces compliance can always be determined on a room by room basis, but compliance for exterior lighting can only be determined for the entire site.
3. The existing exception does not acknowledge the type of alterations that people actually make to existing lighting systems, as they only address one-for-one replacement of light fixtures within a room. This proposal would create more meaningful exceptions for smaller projects.
4. Exceptions based on altered and new luminaire wattage are easier to calculate and enforce than calculating both existing wattage and altered wattage and calculating a fraction (especially for large outdoor lighting systems).
5. The newly added demand responsive lighting control requirements in Section C405.2.9 are intended for lighting systems installed on a building wide basis and not as an alteration.

Cost Impact:

The code change proposal will neither increase nor decrease the cost of construction.

Reason: This proposal improves the clarity and enforceability of the lighting alterations requirements.