



DENVER AMENDMENT PROPOSAL FORM FOR PROPOSALS TO THE 2019 DENVER BUILDING CODE AMENDMENTS AND THE 2021 INTERNATIONAL CODES

DENVER
THE MILE HIGH CITY

2021 CODE DEVELOPMENT CYCLE

1) **Name:** Kristen Salinas **Date:** 11/15/2021
Email: ksalinas@noresco.com **Representing (organization or self):** Denver
City Staff Proposal (check box):

2) One proposal per this document is to be provided with clear and concise information.

Is a separate graphic file provided ("X" to answer): ___ Yes or X No

3) Highlight the code and acronym that applies to the proposal

| <u>Acronym</u> | <u>Code Name</u> | <u>Acronym</u> | <u>Code Name</u> |
|----------------|--|----------------|--------------------------------|
| DBC-AP | Denver Building Code–Administrative Provisions | IPC | International Plumbing Code |
| IBC | International Building Code | IRC | International Residential Code |
| IECC | International Energy Conservation Code | IFGC | International Fuel Gas Code |
| IEBC | International Existing Building Code | IMC | International Mechanical Code |
| IFC | International Fire Code | DGC | Denver Green Code |

AMENDMENT PROPOSAL

Please provide all the following items in your amendment proposal.

Code Sections/Tables/Figures Proposed for Revision:

Instructions: If the proposal is for a new section, indicate (new), otherwise enter applicable code section.

Section : **801.3.11**

Replacement Proposal for Out of DGC into Mandatory Code 84

Proposal:

Instructions: Show the proposal using ~~strikeout~~, underline format.

Place an "X" next to the choice that best defines your proposal: ___ Revision X New Text ___ Delete/Substitute X Deletion

Moved from Performance Requirement to Mandatory in DGC:

~~(8.5.3)~~ **(801.3.11) Lighting for Presentations (Mandatory).** Lighting systems shall be provided and shall be controllable by the occupants so as to meet the illuminance and uniformity requirements specified in items (a) through (c) for each *permanently installed* presentation system for spaces identified Table 801.4.1.2A. Lighting control settings required to meet each of the specified levels shall be labeled at the control device.

- a. Lighting system and controls shall be capable of illuminating *permanently installed* white boards to at least an average of 28 fc (300 lux) vertical illuminance, and the ratio of average-to-minimum illuminance over the full area of the whiteboard shall be equal to or less than 3:1.
- b. Lighting system and controls shall be capable of illuminating *permanently installed* screens for front- screen projection units to no greater than 5 fc (50 lux) vertical illuminance, and the ratio of maximum- to-average illuminance over the full area of the projection screen shall be equal to or less than 2:1. Compliance with this provision shall not be met by turning off all the luminaires in the *space*.
- c. Lighting system and controls shall be capable of illuminating *permanently installed* screens for rear- screen projection units at a level no greater than 14 fc (150 lux) vertical illuminance, and the ratio of maximum-to-average illuminance over the full area of the projection screen shall be equal to or less than 2:1. Compliance with this provision shall not be met by turning off all the luminaires in the *space*.

TABLE 801.4.1.2A (TABLE 8.4.1.2A) DAYLIT SPACES

| |
|---|
| Classroom/training room |
| Conference /meeting/multipurpose room except in convention centers |
| Lounge/breakroom |
| Enclosed office and open plan office |
| Library reading area |
| Patient rooms and physical therapy rooms within a healthcare facility |

Delete from DGC if Proposal 84 is passed:

~~**801.3.7 (8.4.3) Lighting for Presentations.** Luminaires that are located entirely or partially within 3 ft (0.9 m) horizontally of any permanently installed presentation surfaces, including whiteboards, black boards, chalkboards, and screens for projection units, shall be controlled separately from all other luminaires in the space and be capable of being turned off. Control settings for these luminaires shall be labeled at the control device. At least one luminaire shall be located entirely or partially within 3 ft (0.9 m) horizontally of each permanently installed whiteboard, blackboard, or chalkboard that is not self illuminated.~~

Supporting Information (Required):

All proposals must include a written explanation and justification as to how they address physical, environmental, and/or customary characteristics that are specific to the City and County of Denver. The following questions must be answered for a proposal to be considered.

- Purpose: What does your proposal achieve?
Moves a performance requirement to mandatory and specifies controls requirements of presentation lighting.
- Reason: Why is your proposal necessary?
Specifies controls requirements for presentation lighting in the base code.
- Substantiation: Why is your proposal valid? (i.e. technical justification)
Reduces excess lighting and energy used for presentations.

Bibliography and Access to Materials (as needed when substantiating material is associated with the amendment proposal):
<https://www.cmd-ltd.com/advice-centre/lighting-control-systems/benefits-of-lighting-control-systems/>

Other Regulations Proposed to be Affected

***For proposals to delete content from the 2019 Denver Green Code in conjunction with adding it to other mandatory Denver codes and/or regulations, only.**

Please identify which other mandatory codes or regulations are suggested to be updated (if any) to accept relocated content.

Referenced Standards:

List any new referenced standards that are proposed to be referenced in the code.

Impact:

How will this proposal impact cost and restrictiveness of code? ("X" answer for each item below)

Cost of construction: Increase ___ Decrease ___ No Impact
 Cost of design: ___ Increase ___ Decrease No Impact
 Restrictiveness: Increase ___ Decrease ___ No Impact

Departmental Impact (City use only):

This amendment proposal increases/decreases/is neutral to the cost of plans review.

This amendment increases/decreases/is neutral to the cost of inspections.