



**BSR/ASHRAE/IES Addendum c  
to ANSI/ASHRAE/IES Standard 90.2-2024**

**Public Review Draft**

# **Proposed Addendum c to Standard 90.2-2024, High-Performance Energy Design of Residential Buildings**

**First Public Review (August 2025)  
(Draft Shows Proposed Changes to Current Standard)**

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FOREWORD

*This proposal removes redundant and incompatible requirements for common area parking lots, garages, and stairwells. Plus it provides some editorial changes for clarity – removing the term public area. And adds a new section for lighting power requirements in common areas.*

*[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]*

Addendum c to 90.2-2024

Modify the standard as follows (IP and SI Units)

7.5.4 Common ~~and Public~~ Areas

**7.5.4.1 ~~Public and Common Areas of Multifamily Residential Buildings.~~** In ~~public and common areas of multifamily residential buildings~~, the lighting shall meet the requirements of Section 7.5.4.1.1 and 7.5.4.1.2.

7.5.4.1.1 Lighting Controls

~~7.5.4.2 Parking Garages and Parking Lots~~

- ~~a. Parking garages shall comply with ANSI/ASHRAE/IES Standard 90.1<sup>10</sup>, Section 9.4.1.2 and Table 9.5.1, if using the Building Area Method, or Section 9.4.1.2 and Table 9.5.2.1-1 and 9.5.2.1-2 if using the Space-by-Space Method.~~  
**Exception to (a):** ~~Parking garages serving an individual dwelling unit.~~
- ~~b. Parking lots shall comply with ANSI/ASHRAE/IES Standard 90.1, Sections 9.4.1.4 and 9.4.2.~~
- ~~c. Parking garages and parking lots shall comply with Section 7.6.7~~

**7.5.4.3 ~~Lighting for Common or Public Use Stairwells.~~** Lighting in ~~stairwells~~ shall comply with the ~~stairwell~~ section of ANSI/ASHRAE/IES Standard 90.1, Tables 9.5.2.1-1 and 9.5.2.1-2.

**7.5.4.1.2 Lighting Power.** Permanently installed interior lighting power shall be no greater than 0.44 W/ft<sup>2</sup> (4.73 W/m<sup>2</sup>) of lighting power for all interior *common areas*. Permanently installed exterior lighting power shall comply with Table 7-6.

**Exception to 7.5.4.1.2:** Common areas of multifamily buildings that comply with the lighting power requirements of section 9.2.2.1 and 9.2.2.2 of ANSI/ASHRAE/IES Standard 90.1.

**Table 7-6 Exterior Lighting Power Allowances for Common Areas of Multifamily Buildings (IP)**

<u>Exterior Area Type</u>	<u>Exterior Lighting Power Allowance</u>
<u>Base allowance of 200 W which may be used in any exterior area in addition to the exterior lighting power allowance</u>	
<u>Facade lighting</u>	<u>0.10 W/ft<sup>2</sup></u>
<u>Roof terraces, special feature areas, walkways, plazas and ramps</u>	<u>0.07 W/ft<sup>2</sup></u>
<u>Landscape</u>	<u>0.036 W/ft<sup>2</sup></u>
<u>Entry doors</u>	<u>14 W/linear ft</u>
<u>Stairs</u>	<u>Exempt</u>
<u>Parking lots and drives</u>	<u>0.037 W/ft<sup>2</sup></u>
<u>All other areas not listed</u>	<u>0.20 W/ft<sup>2</sup></u>

**Table 7-6 Exterior Lighting Power Allowances for Common Areas of Multifamily Buildings (SI)**

<u>Exterior Area Type</u>	<u>Exterior Lighting Power Allowance</u>
<u>Base allowance of 200 W which may be used in any exterior area in addition to the exterior lighting power allowance</u>	
<u>Facade lighting</u>	<u>1.08 W/m<sup>2</sup></u>
<u>Roof terraces, special feature areas, walkways, plazas and ramps</u>	<u>0.75 W/m<sup>2</sup></u>
<u>Landscape</u>	<u>0.39 W/m<sup>2</sup></u>
<u>Entry doors</u>	<u>45.92 W/linear m</u>
<u>Stairs</u>	<u>Exempt</u>
<u>Parking lots and drives</u>	<u>0.40 W/m<sup>2</sup></u>
<u>All other areas not listed</u>	<u>2.15 W/m<sup>2</sup></u>

**7.6.7.3 Multifamily Buildings (three or more units).** *EVSE*-installed and *EV-ready spaces* shall be provided in accordance with Table 7-~~6~~7. Where the calculation of percent served results in a fractional parking space, it shall round up to the next whole number.