BSR/ASHRAE/IES Addendum w to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

Proposed Addendum w to
Standard 90.1-2022, Energy Standard
for Sites and Buildings Except Low-Rise Residential Buildings

First Public Review (March 2024)
(Draft Shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research–technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092
This addendum proposes a reduction in the decorative lighting allowance to reflect current LED technology and practices. More efficient lighting sources allow for a lower allowance. The decorative lighting allowance was first included in the 1999 Standard and was 1.0 W/ft². The value was reduced in 2016 to 0.75 W/ft²; and in 2022 to 0.7 W/ft². This addendum proposes a fixed value of 0.50 W/ft² for all spaces.

Because this is an optional allowance in the Standard, a cost effectiveness analysis was not required for this addendum.
9.5.2.2 Additional Interior Lighting Power. When using the Space-by-Space Method, an increase in the interior lighting power allowance is allowed for specific lighting functions. Additional power shall be allowed only if the specified lighting is installed and controlled independently of the general lighting in accordance with Table 9.5.2.2. This additional power shall be used only for the specified luminaires and shall not be used for any other purpose unless otherwise indicated. Lighting control requirements referenced in Section 9.5.2.2 are the only required controls for these applications.

Table 9.5.2.2 Additional Lighting Power

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Additional Lighting Power</th>
<th>Required Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.5.2.2(a)</td>
<td>Decorative</td>
<td>0.70 $/ft^2$</td>
<td>Section 9.4.1.1(j)</td>
</tr>
</tbody>
</table>

9.5.2.3 Additional Interior Lighting Power. When using the Space-by-Space Method, an increase in the interior lighting power allowance is allowed for specific lighting functions. Additional power shall be allowed only if the specified lighting is installed and controlled independently of the general lighting in accordance with Table 9.5.2.2. This additional power shall be used only for the specified luminaires and shall not be used for any other purpose unless otherwise indicated. Lighting control requirements referenced in Section 9.5.2.2 are the only required controls for these applications.

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<tbody>
<tr>
<td>9.5.2.2(a)</td>
<td>Decorative</td>
<td>7.5 $$/m^2$</td>
<td>Section 9.4.1.1(j)</td>
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