ADDENDA

ANSI/ASHRAE/IES Addendum dh to ANSI/ASHRAE/IES Standard 90.1-2022

Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

Approved by ASHRAE and by the American National Standards Institute on October 31, 2025; and by the Illuminating Engineering Society on October 16, 2025.

This addendum was approved by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. Instructions for how to submit a change can be found on the ASHRAE® website (https://www.ashrae.org/continuous-maintenance).

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Tatsuro Kobayashi

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FOREWORD

Addendum dh modifies published Addendum cw¹ to ANSI/ASHRAE/IES Standard 90.1-2022. Addendum cw was written in response to code requirements of a minimum of 10 fc in stairways as well as an inadvertent modification of the International Building Code (IBC), Section 1008.2.1, "Illumination under normal power," which increased the minimum required illumination level ten-fold from 1 fc minimum to 10 fc minimum (the proponents had intended to require 10 fc average).

As a result, Addendum cw to Standard 90.1-2022 modified the additional lighting power allowance to newly include an additional power for stairways of 1.0 W/ft^2 . For comparison, the allowed lighting power density (LPD) for general lighting is stairways is 0.44 W/ft^2 .

This change in illuminance levels has been reversed for the 2027 IBC. Thus these requirements only apply to jurisdictions making use of the 2021 or 2024 IBC or similar standards. The changes made by Addendum dh limit the use of additional lighting power for illuminating the interior exit stairs only if an illuminance level of 10 fc minimum is required by a local code or accreditation standard. Thus, if these very high stair illuminance levels are no longer required by the IBC or similar code, the additional lighting power for interior exit stairways will no longer be allowed.

Informative Note: In this addendum, changes to the current standard are indicated in the text by <u>underlining</u> (for additions) and <u>strikethrough</u> (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum dh to Standard 90.1-2022

Modify Section 9.5.2.2 as shown (I-P and SI).

9.5.2.2 Additional Lighting Power

[. . .]

d. For interior exit stairways where applicable codes or standards require a minimum illumination level of not less than 10 fc (108 lx) in which lighting is designed for egress and to provide 10 fc (108 lx) minimum—at the walking surface when the stairway is in use, additional lighting power shall be allowed per Table 9.5.3.1. This additional allowance does not apply to stairways required to have an average illumination level of 10 fc (108 lx) at the walking surface when the stairway is in use.

 $^{1.\} www.ashrae.org/file\%20 library/technical\%20 resources/standards\%20 and\%20 guidelines/standards\%20 addenda/90\ 1\ 2022\ cw\ 20230830.pdf$

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ASHRAE is concerned with the impact of its members' activities on both the indoor and outdoor environment. ASHRAE's members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted Standards and the practical state of the art.

ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating Standards and Guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system's intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

ASHRAE's primary concern for environmental impact will be at the site where equipment within ASHRAE's scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.

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