



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

Public Review Draft

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

**First Public Review (July 2025)
(Draft Shows Proposed Independent Substantive
Changes to Previous Public Review Draft)**

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FOREWORD

This proposal modifies the published addendum CW¹ to ASHRAE/IES Standard 90.1-2022. Addendum CW was written in response to code requirements of a minimum of 10 footcandles (fc) in stairways as well as an inadvertent modification of the International Building Code Section 1008.2.1:

“Illumination under normal power” which increased the minimum required illumination level 10-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 created modified the additional lighting power allowance to newly include an additional power for stairways of 1.0 W/ft². For comparison the allowed lighting power density (LPD) for general lighting in stairways is 0.44 W/ft².

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 proposed here will limit the use of additional lighting power for illuminating the interior exit stairs, only if an illuminance level of 10 footcandles 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.

[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. 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 previous draft 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 substantive changes.]

¹

Addendum dh to 90.1-2022

Modify section 9.5.2.2 as follows:

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.