

# ADDENDA

**ANSI/ASHRAE/IES Addendum q to  
ANSI/ASHRAE/IES Standard 90.1-2019**

# Energy Standard for Buildings Except Low-Rise Residential Buildings

Approved by ASHRAE and the American National Standards Institute on February 26, 2021, and by the Illuminating Engineering Society on February 18, 2021.

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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- participation in the next review of the Standard,
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## FOREWORD

*The intent of the baseline building design lighting requirements in Table G3.7 is to establish criteria equivalent to requirements in 2004. At that time, laboratory classrooms, shop classrooms, and preschool through 12th grade classrooms were not required to have occupancy sensor control. The requirements in Table G3.7 for these area types, in the “Classroom/Lecture Hall/Training Room” category, reflect this intent. When the area types in Table G3.7 were updated to match changes in Table 9.6.1, a duplicate requirement for laboratory classrooms was included with a more stringent baseline requirement for lighting controls. Addendum q removes this duplicate lighting requirement.*

**Note:** In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~striking through~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

### Addendum q to Standard 90.1-2019

*Modify Table G3.7 as shown (I-P and SI units).*

**Table G3.7 Performance Rating Method Lighting Power Density Allowances and Occupancy Sensor Reductions Using the Space-by-Space Method (I-P)**

Common Space Types <sup>a</sup>	Lighting Power Density, W/ft <sup>2</sup>	Occupancy Sensor Reduction <sup>b</sup>
[...]		
<b>Laboratory</b>		
<del>In or as a classroom</del>	1.40	None
All <del>other</del> <u>laboratory except in or as a classroom</u>	1.40	10%
[...]		
[...]		

**Table G3.7 Performance Rating Method Lighting Power Density Allowances and Occupancy Sensor Reductions Using the Space-by-Space Method (SI)**

Common Space Types <sup>a</sup>	Lighting Power Density, W/m <sup>2</sup>	Occupancy Sensor Reduction <sup>b</sup>
[...]		
<b>Laboratory</b>		
<del>In or as a classroom</del>	<del>15.07</del>	None
All <del>other</del> <u>laboratory except in or as a classroom</u>	15.07	10%
[...]		
[...]		

## **POLICY STATEMENT DEFINING ASHRAE'S CONCERN FOR THE ENVIRONMENTAL IMPACT OF ITS ACTIVITIES**

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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