



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

Public Review Draft

Proposed Addendum q to Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings

**First Public Review (November 2020)
(Draft Shows Proposed Changes to Current 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. This proposal removes this duplicate lighting requirement.

This addendum impacts an optional performance path in the standard designed to provide increased flexibility and therefore was not subjected to cost effectiveness analysis.

Addendum q to 90.1-2019

Modify the standard as follows (IP and SI Units)

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

Common Space Types ^a	Lighting Power Density, W/ft ² (W/m ²)	Occupancy Sensor Reduction ^b
Laboratory		
In or as a classroom	1.40 (15.07)	None
All other laboratory <u>except in or as a classroom</u>	1.40 (15.07)	10%