ADDENDA

ANSI/ASHRAE/IES Addendum dq to
ANSI/ASHRAE/IES Standard 90.1-2013

Energy Standard for Buildings Except Low-Rise Residential Buildings

Approved by the ASHRAE Standards Committee on June 25, 2016; by the ASHRAE Technology Council on June 29, 2016; by the IES Board of Directors on June 27, 2016; and by the American National Standards Institute on June 30, 2016.

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FOREWORD

With new LED technology becoming commonplace, the retail display allowance used for highlighting merchandise and retail displays can also be reduced. The proposed new values are based on several sets of analysis that look at the various options for replacing traditional fluorescent and incandescent sources with appropriate LED and LED mix options. Even with the mixed option of mostly LED with some halogen sources still applied, the potential savings is on average 50% for typical retail display options. For this proposal, a conservative 25% reduction is proposed for the decorative lighting allowance. The allowance remains a use-it-or-lose it allowance and cannot be used elsewhere..

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

Addendum dq to 90.1-2013

Revise the standard as follows (I-P and SI):

9.6.2 Additional Interior Lighting Power.

…….

An increase in the interior lighting power allowance is permitted in the following cases:

…….

b. For lighting equipment installed in sales areas and specifically designed and directed to highlight merchandise, calculate the additional lighting power as follows:

Additional Interior Lighting Power Allowance = 1000 W + (Retail Area 1 × ~~0.6~~ 0.45 W/ft^2 [4.8 W/m^2])
+ (Retail Area 2 × ~~0.6~~ 0.45 W/ft^2 [4.8 W/m^2])
+ (Retail Area 3 × ~~1.4~~ 1.05 W/ft^2 [11 W/m^2])
+ (Retail Area 4 × ~~2.5~~ 1.88 W/ft^2 [20 W/m^2]),

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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