BSR/ASHRAE/IES Addendum d
to ANSI/ASHRAE/IES Standard 90.2-2018

Public Review Draft

Proposed Addendum d to Standard 90.2-2018, Energy-Efficient Design of Low-Rise Residential Buildings

First Public Review (September 2021)
(Draft Shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This proposal intends to add some basic indoor environmental quality requirements for lighting systems to align with existing Section 7.3 Indoor Environmental Quality requirements applicable to mechanical systems.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard 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 changes.]

Addendum d to 90.2-2018

Modify the standard as follows (IP and SI Units)

3.1 Definitions

…

dim-to-warm (also known as warm dim): a light source capable of simultaneously decreasing its correlated color temperature as its light output decreases, typically resembling the change in color temperature of an incandescent lamp as it dims.

tunable white**:** a light source capable of adjusting its correlated color temperature while maintaining its relative light output and capable of adjusting its light output while maintaining its correlated color temperature.

color tunable**:** a light source capable of emitting highly saturated light of varying hues, as well as white light, for example by varying the relative intensity of individual emitters within the light source.

habitable space**:** a space in a building for living, sleeping, eating or cooking, excluding bathrooms, toilets, hallways, storage areas, closets, utility rooms and similar areas.

…

7.3.3 Buildings shall be illuminated in accordance with Section 7.5. All lighting in *habitable spaces* shall be continuously dimmable to at least 10% of full output and shall meet at least one of the following:

a. Complies with CA Title 24 JA8; or
b. Contains *dim-to-warm*, *tunable white*, or *color tunable* light sources.

…

10. Normative References

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California Energy Commission
1516 Ninth Street
Sacramento, CA 95814

2019 CA Title 24 Part 6 JA8 — 2019 Building Energy Efficiency Standards Joint Appendix 8