



**BSR/ASHRAE Addendum L
to ANSI/ASHRAE Standard 62.1-2019**

Public Review Draft

Proposed Addendum L to Standard 62.1-2019, Ventilation and Acceptable Indoor Air Quality

**First Public Review (June 2022)
(Draft shows Proposed
Changes to Current Standard)**

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ASHRAE, 180 Technology Parkway, Peachtree Corners, Georgia 30092

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FOREWORD

This proposed addendum seeks to address emerging UV technologies that are capable of emitting specific wavelengths of light near to the current 185nm restriction that also produce ozone. The specific requirement is based on the ASHRAE Position Document on Filtration and Air Cleaning, which indicates that lamps that produce ozone are broadly categorized as those that emit wavelengths less than 200 nm.

Definitions of listed and labeled have also been provided to clarify that any national testing laboratory that lists and labels products may certify the performance to a listed standard, this includes not just UL-2998, but all other standards listed within the document.

[Note to Reviewers: This addendum makes proposed changes to the current standard. 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 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 L to 62.1-2019

Add the following Section 3 Definitions.

labeled: equipment, materials, or products to which has been affixed a label, seal, symbol, or other identifying mark of a nationally recognized testing laboratory, approved agency, or other organization concerned with product evaluation that maintains periodic inspection of the production of the above-labeled items and whose labeling indicates either that the equipment, material, or product meets identified standards or has been tested and found suitable for a specified purpose.

listed: equipment, materials, products, or services included in a list published by an approved organization and concerned with evaluation of products or services that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services and whose listing states either that the equipment, material, product, or service meets identified standards or has been tested and found suitable for a specified purpose.

Revise Section 5.7 as shown below.

5.7 Ozone ~~Emitting~~ ~~Generating~~ Devices. The use of ozone ~~emitting~~ ~~generating~~ devices shall comply with the following sections.

Exception to 5.7: ~~Electronic devices used exclusively for the operation of HVAC equipment and controls.~~

Informative Note: ~~Ozone generation is expected from ozone generators, corona discharge technology, some ultraviolet lights, electronic devices that create chemical reactions within the system, and some devices using a high voltage (>480 V). Motors and relays are examples of electronic devices that would be exempt.~~

5.7.1 Air-Cleaning Devices. Air-cleaning devices with electronic filter elements shall be listed and labeled in accordance with UL 2998.

~~**Informative Note:** The use of devices not intended for air cleaning with the potential to generate ozone should be avoided.~~

5.7.2 Ultraviolet Devices. ~~Ultraviolet generating devices in supply air or spaces or located in equipment, ducts, or plenums that supply or recirculate air to indoor spaces shall not transmit~~ emit 185-nm wavelengths less than 200 nm.

~~**Informative Note:** Ultraviolet devices used in treatment of closed water systems may produce 185-nm wavelengths, which may generate ozone.~~