



**ANSI C82.11-2017**

*American National Standard for Lamp Ballasts—  
High Frequency Fluorescent Lamp Ballasts*

Secretariat:

**National Electrical Manufacturers Association**

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**American National Standards Institute, Inc.**

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**Foreword** (This foreword is not part of American National Standard C82.11-2017)

Suggestions for improvement of this standard should be submitted to the Secretariat C82, American National Standard Lighting Group, 1300 North 17th Street, Suite 900, Rosslyn, VA 22209.

This standard was processed and approved by the Accredited Standards Committee on lamp ballasts, C82. Committee approval of the standard does not necessarily imply that all committee members voted for that approval.

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## **1 Scope**

**1.1** This standard is intended to cover high frequency ballasts which have rated open-circuit voltages of 2000 volts or less, operate the lamp at frequencies between 10 kHz and 500 kHz., and are intended to operate at a supply frequency of 50 Hz or 60 Hz. This comprises ballasts for hot-cathode fluorescent lamps, either switch-start (preheat-start), rapid-start (continuously heated cathodes), modified rapid start, programmed start, or instant start used primarily for lighting purposes. The ballast and lamp combinations covered by this specification are normally intended for use in room ambient temperatures of 10°C to 40°C. At ambient temperatures outside this range, certain special operating characteristics may be required.