**ANSI C82.1-2004 (R2008, R2015, S2020)**

# *American National Standard for Lamp Ballast— Line Frequency Fluorescent Lamp Ballast*

Secretariat:

**National Electrical Manufacturers Association**

Approved: April 3, 2020

**American National Standards Institute, Inc.**

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# Foreword

(This Foreword is not part of American National Standard C82.1-2004 (S2020).)

This Standard is being maintained under the stabilized maintenance option. Proposals for modification or improvement of this Standard are welcome. They should be sent to the

National Electrical Manufacturers Association,
1300 North 17th Street, Suite 900
Rosslyn, VA 22209 or sent via the NEMA website (http://www.nema.org).

This Standard was processed and approved for submittal to ANSI by the Accredited Standards Committee on Lamp Ballasts, C82. Approval of the Standard does not necessarily imply that all working group Member s voted for its approval.

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**TABLES**

## 1. Scope

This Standard is intended to cover ballasts which have rated open-circuit voltages of 2000 volts[1] or less and are intended to operate lamps at a frequency of 50 Hz or 60 Hz.[2] This comprises ballasts for hot-cathode fluorescent lamps, either switch-start (preheat-start), rapid-start (continuously heated cathodes), modified rapid start (cathode cutout), or instant-start, and also ballasts for cold-cathode fluorescent lamps, used primarily for lighting purposes, which come within this voltage range. The ballast and lamp combinations covered by this specification normally are intended for use in room ambient temperatures of 10ºC to 40ºC. At ambient temperatures outside this range, certain special operating characteristics may be required.