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

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 C82.1-2004 (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 Members voted for its approval.
## CONTENTS

1. Scope ................................................................................................................. 1

2. Normative References ....................................................................................... 1

3. Definitions ........................................................................................................... 2

4. Ballast Marking ................................................................................................. 2
   4.1 Marking ........................................................................................................ 2
   4.2 Color coding of Ballasts Leads ................................................................. 2

5. Ballast Performance ............................................................................................ 4
   5.1 General ......................................................................................................... 4
   5.2 Starting Conditions ..................................................................................... 4
   5.3 Ballast Output ............................................................................................ 7
   5.4 Cathode Preheating Current ..................................................................... 9
   5.5 Regulation ................................................................................................... 9
   5.6 Operating-Current Waveshape .................................................................. 9
   5.7 Supplementary Cathode Heating .............................................................. 10
   5.8 Voltage across Starter Terminals ............................................................ 10
   5.9 Radio-Interference Suppression ............................................................... 11
   5.10 Ballast Safety .......................................................................................... 11

6. Design Center Voltages .................................................................................... 11

7. Application Requirements .................................................................................. 12
   7.1 Limits for Contact Resistance .................................................................. 12
   7.2 Operating Temperature Limits ................................................................... 12
   7.3 Supply Voltage Limits ............................................................................... 12
   7.4 Equipment Grounding ............................................................................... 12
   7.5 Audible Sound Level .................................................................................. 13
TABLES

Table 1  Color Coding for Multi-lamp Ballast Leads  ............................................. 4

Table 2  Required Starting Current for Instant-Start Ballasts  ............................... 6

Table 3  Required Starting Current for Two-Lamp Series-Sequence
Type Ballasts for 96-Inch T-12 Instant-Start Lamps  ................................. 6

Table 4  Required Starting Current for Two-Lamp Series-Sequence
Type Ballasts for 48-Inch T-12, 40-Watt T-12, or 40-Watt T-17, Instant-Start Lamps................................................................. 7

Table 5  Tolerances of Minimum Ballast Factor and Current
Requirements for Switch-Start and Instant-Start Ballasts.............................. 7

Table 6  Tolerance of Minimum Ballasts Factor for Rapid Start Circuits............ 8

Table 7  Maximum RMS Volts across Starter Terminals  ..................................... 11

Table 8  Design Center Input Voltages ................................................................. 11

Table 9  Maximum Contact Resistance ............................................................... 12
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 10°C to 40°C. At ambient temperatures outside this range, certain special operating characteristics may be required.