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C82.1-2004 (R2008, R2015)

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

Secretariat:

National Electrical Manufacturers Association

Approved: November 20, 2015

American National Standards Institute, Inc.

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ANSI C82.1-2004 (R2008, R2015) Page i

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ANSI C82.1-2004 (R2008, R2015) Page ii

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

Suggestions for improvement of this standard are welcome. They should be submitted to

Secretariat C82 National Electrical Manufacturers Association 1300 North 17th Street, Suite 900 Rosslyn, Virginia 22209

This standard was processed and approved for submittal to ANSI by the Accredited Standards Committee on Lamp Ballasts, C82, and its Working Group C82 WG01. Approval of the standard does not necessarily imply that all working group members voted for its approval.

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ANSI C82.1-2004 (R2008, R2015) Page iii

Contents

1.	Scope	1
2.	Normative References	1
3.	Definitions	2
4.	Ballast Marking	2
	4.1 Marking4.2 Color coding of Ballasts Leads	2 2
5.	Ballast Performance	4
	 5.1 General 5.2 Starting Conditions 5.3 Ballast Output 5.4 Cathode Preheating Current 5.5 Regulation 5.6 Operating-Current Waveshape 5.7 Supplementary Cathode Heating 5.8 Voltage across Starter Terminals 5.9 Radio-Interference Suppression 5.10 Ballast Safety 	4 7 9 9 10 10 11
6.	Design Center Voltages	11
7.	Application Requirements	12
	 7.1 Limits for Contact Resistance 7.2 Operating Temperature Limits 7.3 Supply Voltage Limits 7.4 Equipment Grounding 7.5 Audible Sound Level 	12 12 12 12 13

ANSI C82.1-2004 (R2008, R2015) Page iv

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-SequenceType Ballasts for96-Inch T-12 Instant-Start Lamps	6
Table 4 - Required Starting Current for Two-Lamp Series-SequenceType Ballasts for48-Inch T-12, 40-Watt T-12, or40-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 volts¹ 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.

^{1.} See ANSI/NFPA 70 or related standards for requirements for various voltage classifications.

^{2.} See ANSI C82.11-2002 for high frequency fluorescent ballast specifications.