

American National Standard for Lighting Equipment— Voltage Surge Requirements

Secretariat:

National Electrical Manufacturers Association

Approved: December 21, 2017

American National Standards Institute, Inc.

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Published by

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

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Printed in the United States of America

Foreword (This foreword is not part of ANSI C82.77-5-2017.)

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

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

This standard was developed and approved for submittal to ANSI by Accredited Standards Committee C82 on Electric Lamp Ballasts. Approval of this standard is not meant to imply that all Accredited Standards Committee members voted to approve it.

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1 Scope

This standard specifies voltage surge limits and testing requirements for lighting equipment. It covers all types of lighting equipment used for general illumination (typically found in residential, commercial, and industrial applications) and connected to any of the following commonly distributed 60 Hz alternating current (AC) power line systems:

- a) 120 V, Single Phase
- b) 220/230 V, Single Phase
- c) 208/240 V, Single Phase
- d) 277 V, Single Phase
- e) 347 V, Single Phase
- f) 480 V, Single Phase
- g) 480 V, 3 Phase

Note: These line voltages are nominal and include commonly encountered nameplate variations of the above. As an example, products rated at either 117, 120, or 125 V AC would be covered as nominal 120 V systems.

This standard covers lighting equipment in terms of application and wattage (operating input power level).