



ANSI C82.77-5-2017

*American National Standard for Lighting Equipment—
Voltage Surge Requirements*

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 ANSI C82.77-5-2017.)

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

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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).