



**ANSI C82.4-2017**

*American National Standard for Lamp Ballasts—  
Ballasts for High-Intensity-Discharge and  
Low-Pressure Sodium Lamps*

Secretariat:

**National Electrical Manufacturers Association**

Approved: May 18, 2017

**American National Standards Institute, Inc.**

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**Foreword** (This foreword is not part of ANSI C82.4-2017)

Suggestions for improvement of this standard should be submitted to the Secretariat C82, American National Lighting Group of the National Electrical Manufacturers Association, 1300 North 17<sup>th</sup> Street, Suite 900, Rosslyn, VA 22209.

This standard was processed and approved by Accredited Standards Committee on Lamp Ballasts, C82. Committee approval of the standard does not necessarily imply that all committee members voted for that approval.

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## 1 Scope

This standard provides specifications for and operating characteristics of magnetic ballasts for metal-halide, mercury, high-pressure sodium, and low-pressure sodium lamps. The ballasts operate from multiple supply sources of 600 volts maximum at a frequency of 60 hertz. They may be designed for operation in either indoor or outdoor conditions.

The following types of ballasts are excluded from this standard:

- a. Ballasts consisting of resistance only.
- b. All electronic ballasts that use semiconductors to control the lamp power.