



**ANSI C81.64-2005 (R2014, S2020)**

*American National Standard for  
Guidelines and General Information for Electric Lamp Bases,  
Lampholders, and Gauges*

Secretariat:

**National Electrical Manufacturers Association**

Approved: April 3, 2020

**American National Standards Institute, Inc.**

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## **Foreword for American National Standard ANSI C81.64-2005 (S2020)**

(This foreword is not part of American National Standard ANSI C81.64-2005 (S2020).)

This American National Standard, Guidelines and General Information for Electrical Lamp Bases, Lampholders, and Gauges, ANSI C81.64-2005 (S2020), gives guidance and information to designers and testing personnel on the use of ANSI C81.61, ANSI C81.62, and ANSI C81.63.

This Standard takes into account the work done by the ANSI C81 committees to adopt IEC Standard sheets from IEC 60061-1, 60061-2 and 60061-3 and adopts, in large part, IEC 60061-4 with certain United States deviations.

It includes the designation system, a guide to the selection of bases and general information regarding bases, lampholders, and gauges.

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 N 17<sup>th</sup> Street, Suite 900, Arlington, VA 22209 or sent via the NEMA website (<http://www.nema.org>).

This standard was processed and approved for submittal to ANSI by Accredited Standards Committee on Electric Lamp Bases and Holders, C81. Committee approval of the standard does not necessarily imply that all committee members voted for its approval.

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## Part 1

### General

#### 1 Scope

This American National Standard gives guidance and information to designers and testing personnel on the use of ANSI\_IEC C81.61, ANSI\_IEC C81.62 and ANSI\_IEC C81.63 and their supplements. It includes the designation system and general information regarding bases (caps), lampholders and gauges. Many parts of this standard reference the adopted parts of IEC 60061-4 *Lamp Caps and Holders Together with Gauges for Control of Interchangeability and Safety-Part 4: Guidelines and General Information*.

This standard is intended for use by standards engineers. In those cases where new proposals have to be prepared, so as to achieve uniformity in base/ lampholder/gauge standards and testing procedures. It contains information from ANSI and the IEC in regard to bases (caps) and holders in general use today, together with their relevant gauges. The gauges illustrated, although generally accepted in principle, are not necessarily the only form in which they can be made.

This standard is applicable to bases, lampholders and gauges with the object of securing international interchangeability and safety.