



ANSI C78.60360-2002 (S2016)

Co gtlēcp "P c v k q p c n"
Ukcpf ctf "hqt "Gngevtke"
Nco r uô "Ukcpf ctf"
O gyj qf "qh"O gēwtgo gpv"
qh" "Nco r "Eer "
Vgo r gtcwtg "Tkug" "



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ANSI C78.60360-2002 (S2016)

*American National Standard for Electric Lamps—
Standard Method of Measurement of
Lamp Cap Temperature Rise*

Secretariat:

National Electrical Manufacturers Association

Approved: July 12, 2016

American National Standards Institute, Inc.

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Foreword (This foreword is not part of ANS C78.60360)

Suggestions for improvement of this standard should be submitted to the Secretariat C78, American National Lighting Group of the National Electrical Manufacturers Association, 1300 North 17th Street, Suite 900, Rosslyn, VA 22209.

In chapter II of this standard, the English text and the order of that text is exactly the same as that found in IEC 60360:1998. The reader should note, however, that the page numbers have been changed and French text is not included.

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(This language is not part of the American National Standard.)

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

CHAPTER 1

United States of America's

Deviations to IEC 60360:1998

1 Deviations affecting Clause 3.1

The wording of Clause 3.1, "Ageing and stabilizing", shall be replaced by the following.

All discharge lamps shall be aged for 100 hours prior to use in the test. The lamps shall be stabilized as specified in the applicable method of measurements standard.

For incandescent or tungsten halogen lamps no previous aging of the lamp is required. Sufficient stability of the lamp is achieved during the time necessary to reach the equilibrium temperature in the test enclosure.

CHAPTER 2

IEC 60360:1998

1 General

1.1 Scope

This International Standard describes the standard method of measurement of lamp cap temperature rise which is to be used when testing incandescent or discharge lamps for compliance with the limits. Temperature-rise limits for particular lamp types are, for example, listed in IEC 60432.

It covers the method of test and the specifications for test lampholders for lamps fitted with various sizes of Edison screw (ES) and bayonet caps (BC). This method has been used widely for incandescent lamps but its application is not limited to that kind of lamp.

1.2 Normative reference

The following normative document contains provisions which, through reference in this text, constitutes provisions of this International Standard. At the time of publication, the edition indicated was valid. All normative documents are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60432: *Safety specification for incandescent lamps*

2 Definitions

For the purposes of this International Standard, the following definitions apply:

2.1

temperature rise of cap: surface temperature rise of a standard test lampholder fitted to the lamp cap, when measured under conditions specified in this standard.

2.2

equilibrium temperature (t_m): Steady-state temperature of a standard test lampholder reached after a sufficient lamp operating time.

NOTE: The measuring accuracy should be $\pm 1^\circ\text{C}$.