



ANSI C78.391-2004 (R2009, R2016)

American National
Standard for
Electric Lamps—
Characteristics of
Subminiature
Lamps of T1 and
T1-3/4 Shapes





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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 C78.391-2004)

Suggestions for improvement of this standard should be submitted to:

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This standard was processed and approved by Accredited Standards Committee on Electric Lamps, C78. 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 sets forth the physical and electrical characteristics of those groups of subminiature incandescent lamps with T1 and T1-3/4 bulb shapes. Lamps with various base or termination configurations are included.

2 Reference Standards and Related Publications

2.1 Normative References

When the following American National Standards, referred to in this standard, are superseded by a revision approved by the American National Standards Institute, the revision shall apply.

ANSI C79.1-2002 Nomenclature for Glass Bulbs Intended for use with Electric Lamps

ANSI/IEC C81.61-2003 Electrical Lamps Bases

ANSI/IEC C81.63-2004 Gauges for Electrical Lamp Bases and Lampholders

ANSI C78.370.390lcd-2002 ANS for Electric Lamps—Amendments to ANSI C78.370-1997 and ANSI C78.390-1998

ANSI C78.390-1998 Method of Designation for Electric Lamps—Miniature and Sealed Beam Incandescent Lamps

SAE Ground Vehicle Lighting Standards Manual, 2002 Edition

2.2 Related Publications

ANSLG SR25d-1997, Special Report on Assigned Miniature Lamp Codes

3 Lamp Designations

Lamp number designations are assigned to miniature lamps according to ANSI C78.390. Numbers are assigned by the administrator of the Lamp Code Designation program. All lamp numbers covered by this standard are listed in Tables 1 through 9 along with their rated voltage and design amperes, MSCd (mean spherical candela), life, LCL (light center length), MOL (maximum overall length), and filament shape as requested in their original lamp code designation requests.

If a manufacturer objects to a newly issued lamp code designation number, see the resolution procedure in C78.370.390lcd supplement to C78.390.

4 Bulb Designations

Bulb designations are defined in ANSI C79.1. Since the traditional eighth-inch sizes have long been utilized for lamps of this kind, their use is continued in this standard.