



ANSI/NEMA C78.901-2014

American National
Standard for Electric
Lamps - Single-Based
Fluorescent Lamps -
Dimensional and
Electrical Characteristics



National Electrical Manufacturers Association
1300 North 17th Street, Suite 900 • Rosslyn, VA 22209
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American National Standard

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Secretariat: National Electrical Manufacturers Association

for Electric Lamps

Single-Based Fluorescent Lamps- Dimensional and Electrical Characteristics ANSI C78.901-2014

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FOREWORD (This foreword is not part of ANSI C78.901-2014)

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

This standard was processed and approved by Accredited Standards Committee on Electric Lamps, C78, and its Work Group, C78WG02. Work Group approval of the standard does not necessarily imply that all Work Group members voted for its approval.

The revised edition supersedes ANSI_IEC C78.901-2005. This revision includes the removal of "...IEC..." from the standard number designation. The acronym "IEC" was removed because it is copyright-protected in accordance with the latest edition of IEC Guide 21. Please see this entire standard for revisions and additions.

DEDICATION:**Edward Eugene Hammer**

1931 – 2012

Who helped lay the foundation for American National Standards
for fluorescent technology. May he rest in peace.

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PART I – General Information and Requirements

1. Scope

This standard sets forth the physical and electrical characteristics required to assure the interchangeability and to assist in the proper application of single-based fluorescent lamps. Single-based compact fluorescent lamps, both self-supporting and those requiring auxiliary support, including circular, square and U-shaped lamps are specified. Specifications for both the lamp itself and the interactive features of the lamp with the ballast are given. Information for luminaire design is given for certain lamp types.

The lamps covered in this standard are intended for use with external ballasts as described. These lamps are designed for 60Hz and/or high frequency operation.

Many of the lamp types covered in this standard are closely comparable to those specified in IEC 60901.

1.1 Important Patent Disclaimer

At the time of publication, it is possible that some of the elements of this document may be the subject of patent rights. When this Standard was approved for publication, the National Electrical Manufacturers Association (NEMA) did not know of any patent applications, patents pending, or existing patents. NEMA shall not be held responsible for identifying any or all such patent rights.

2. General

There are four parts to this standard.

Part I Contains requirements and general information. Detailed descriptions, references, and explanations of the terms used in the lamp data sheets are given in this part. It also defines the principles of dimensioning lamps, both as finished lamps and for maximum outline purposes.

Part II Contains dimensioning principles and lamp outline drawings.

Part III Contains the annexes.

Part IV Contains all of the lamp data sheets for the lamp classes covered in this standard.