



**ANSI C78.44-2016**

*American National Standard for Electric Lamps—  
Double-Ended Metal Halide Lamps*

Secretariat:

**National Electrical Manufacturers Association**

Approved: July 1, 2016

**American National Standards Institute, Inc.**

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**Foreword** (This foreword is not part of ANSI C78.44)

Suggestions for improvement of this standard should be submitted to:

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This standard was processed and approved for adoption 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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## **Organization of This Standard**

This standard comprises three parts and an annex:

Part I covers general requirements and information. It provides normative references and offers brief explanations of the meaning or the application of some of the numerical data given on the individual lamp data sheets in Part III of this standard. It also provides requirements that are common to all metal halide lamp types.

Part II contains the lamp drawings of each lamp size.

Part III contains the individual lamp double-end data sheets that provide the specific lamp, ballast, and luminaire requirements of the standardized double-ended metal halide lamp type.

Annex A contains the design and dimensions of luminaire simulators needed to measure double-ended metal halide lamps.

## **I. General Requirements and Information**

## **1 Scope**

This standard sets forth the physical and electrical requirements for double-ended metal halide lamps operated on 60 Hz. ballasts to ensure interchangeability and safety. The data given also provides the basis for the electrical requirements for ballasts and ignitors, as well as the lamp-related requirements for luminaires. This standard includes lamps whose arc tubes are made of quartz or ceramic materials. Luminous flux and lamp color is not part of this standard.