

ANSI C78.43-2017

## American National Standard for Electric Lamps— Single-Ended Metal Halide Lamps

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 American National Standard C78.43-2017).

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

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 its approval.

## CONTENTS

Foreword	l	ii				
Organization of this standard						
PART I	General Requirements and Information					
1	Scope	1				
2	Normative references	1				
3	Definitions					
4	Methods of measurement					
5	Lamp specifications					
	5.1 Lamp designations and description					
	5.2 Lamp physical characteristics					
	5.3 Operating requirements at 100 hours					
	5.4 Lamp reignition voltage spike ( $V_{rs}$ )					
	5.5 Lamp reignition voltage (V <sub>r</sub> )					
	5.6 Lamp starting warm-up requirements					
-	5.7 Reference ballast requirements					
6	Information for magnetic ballast design					
	6.1 Requirements for lag ballast					
	6.2 Requirements for peak-lead ballasts					
	6.3 Ignitor requirements					
	6.4 Starting current requirements					
	6.5 Current crest factor	5				
	6.6 Maximum voltage across lamp terminals	5				
_	6.7 Lamp operating wattage	5				
7	Information for electronic low-frequency square wave ballast design	6				
	7.1 Open circuit voltage requirements					
	7.2 Ignitor requirements.					
	7.3 Starting and run-up current requirements					
	7.4 Current waveshape requirements.					
	7.5 Maximum voltage across lamp terminals					
	7.6 Lamp operating wattage					
	7.7 Lamp stability					
o	7.8 Lamp sustaining Information for electronic high-frequency sine wave ballast design					
8 9	Information for luminaire design					
Э	9.1 Lamp voltage rise limits					
	9.1 Lamp voltage rise limits					
	9.3 Lamp temperatures					
	9.4 Lamp operating position					
		12				

#### Part II

#### Maximum outline drawings

Figure	1	BD 17 (BD54), E17 (E54) for lamps with Luminaire Code E	14
Figure	2	BD 17 (BD54), E17 (E54) for lamps with Luminaire Code O	15
Figure	3	T4.5 (T14) with G8.5 base T6 (T19)	16
Figure	4	T6 (T19)	17
Figure	5	T15 (T48)	18
Figure	6	E18 (E57)	19
Figure	7	ED23.5 (ED75)	20
Figure	8	BT28 (BT90), ED28 (ED90)	21
Figure	9	BT37 (BT118), ED37 (ED118)	22
Figure	10	BT56 (BT180)	23
Figure	11	PAR20 (PAR63)	24
Figure	12	PAR30 (PAR95)	25
Figure	13	PAR38 (PAR121)	26
Figure	14	T6 (T19); 110mm M.O.L	27
Figure	15	ET23.5 (ET75)	28
Figure		T4.0 (T13)	29
Figure	17	T4.5 (T14) with G12 base	30
Figure	18	MR16 (PAR51)	31

#### PART III

#### Single-Ended Lamp data sheets

20	Watt	C156 Single-Ended Ceramic Metal Halide Lamp	34
39	Watt	C130 Single-Ended Ceramic Metal Halide Lamp	40
		M110 Single-Ended Metal Halide Lamp	45
70	Watt	M98 Single-Ended Metal Halide Lamp	50
70	Watt	C98 Single-Ended Ceramic Metal Halide Lamp	55
72	Watt	C139 Single-Ended Ceramic Metal Halide Lamp	60
95	Watt	C90 Single-Ended Ceramic Metal Halide Lamp	65
100	Watt	M90 Single-Ended Metal Halide Lamp	70
147	Watt	C102 Single-Ended Ceramic Metal Halide Lamp	75
		C142 Single-Ended Ceramic Metal Halide Lamp	80
		M102 Single-Ended Metal Halide Lamp	85
		M107 Single-Ended Metal Halide Lamp	90
175	Watt	M57 Single-Ended Metal Halide Lamp	93
		M152 Pulse-Start Metal Halide Lamp	97
200	Watt	M136 Pulse-Start Metal Halide Lamp	101
		C50 Pulse-Start Ceramic Metal Halide Lamp	105
		M58 Single-Ended Metal Halide Lamp	107
		M153 Pulse-Start Metal Halide Lamp	111
320	Watt	M154 Pulse-Start Metal Halide Lamp	115
		M131 Pulse-Start Metal Halide Lamp	119
		M165 Single-Ended Metal Halide Lamp	123
400	Watt	M59 Single-Ended Metal Halide Lamp	127
		M155 Pulse-Start Metal Halide Lamp	131
		M149 Pulse-Start Metal Halide Lamp	135
		M47 Single-Ended Metal Halide Lamp	139
		M141 Pulse-Start Metal Halide Lamp	143
		M48 Single-Ended Metal Halide Lamp	147
1650	Watt	M112 Single-Ended Metal Halide Lamp	151

#### Organization of this Standard

This standard has been arranged in three parts:

**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 maximum outline drawings of each lamp size.

**Part III** contains individual single-ended lamp data sheets that provide the specific lamp, ballast, and luminaire requirements of each of the standardized single-ended metal halide lamp types.

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#### 1 Scope

This standard sets forth the physical and electrical requirements for single-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 are not part of this standard.