



MasterColor Elite  
Protected Ceramic  
Metal Halide ED-17  
3000K Lamps

*Ideal for general lighting,  
downlighting, and  
flood lighting*

MasterColor Elite

## Extraordinary performance, familiar shape

**MasterColor Elite Protected Ceramic Metal Halide ED-17 3000K Lamps** provide excellent lumen maintenance and outstanding performance over time in a protected lamp.

### **Excellent color**

- Up to 90 CRI (color rendering index)
- Color stability over life within +/- 200K
- Lamp to lamp color consistency over life

### **Total cost of ownership benefits**

- High lamp efficacy (up to 100 LPW)
- Elite 50W lamp provides 20% more initial lumens as compared to a standard MasterColor Protected CMH ED-17 50W lamp\*
- Elite 50W lamp provides 43% more mean lumens as compared to a standard MasterColor Protected CMH ED-17 50W lamp<sup>+</sup>

### **Application versatility**

- Universal operating position
- Suitable for use in open fixtures
- Dimension, base and light center length are same as standard MasterColor ED-17 lamps
- Available in 50W, 70W, and 100W Elite lamps

(\* , +. See back of page for footnotes)

**PHILIPS**

# MasterColor Elite Protected Ceramic Metal Halide ED-17 Lamps

## Ordering, Electrical and Technical Data (Subject to change without notice)

Product Number	Base	Bulb	Ordering Code	ANSI Code	Watts	Std. Pkg. Qty.	LCL (In.)	MOL (In.)	Rated Avg. Life (Hrs.) <sup>1</sup>	Approx. Initial Lumens <sup>2</sup>	Approx. Mean Lumens <sup>3</sup>	CRI	Color Temp (K)
42368-1	Med.	ED17P	MHC50/U/MP/3K ELITE	M148/M110/O	50	12	3 7/16	5 7/16	16,000	4800	3840	90	3000
42370-7	Med.	ED17P	MHC70/U/MP/3K ELITE	M143/M98/O	70	12	3 7/16	5 7/16	20,000	6700	5360	90	3000
42369-9	Med.	ED17P	MHC70/C/U/MP/3K ELITE	M143/M98/O	70	12	—	5 7/16	20,000	6100	4880	90	3000
42367-3	Med.	ED17P	MHC100/U/MP/3K ELITE	M140/M90/O	100	12	3 7/16	5 7/16	20,000	10,000	8000	90	3000
42371-5	Med.	ED17P	MHC100/C/U/MP/3K ELITE	M140/M90/O	100	12	—	5 7/16	20,000	9200	7360	90	3000

1) Rated average life is the life obtained on the average, from large representative groups of lamps in laboratory tests under controlled conditions at 10 or more operating hours per start. It is based on survival of at least 50% of the lamps and allows for individual lamps or groups of lamps to vary considerably from the average.

2) Measured at 100 hours of life in a vertical operating position.

3) Approximate mean lumen output at 40% of lamp rated average life.

### Footnotes from front:

\* Philips MasterColor Elite Protected CMH ED-17 3000K 50W Lamps provide 4800 initial lumens compared to MasterColor Protected ED-17 50W lamp at 4000 initial lumens.

+ Philips MasterColor Elite Protected CMH ED-17 3000K 50W Lamps provide 3840 mean lumens compared to MasterColor Protected ED-17 50W lamp at 2680 mean lumens.

### WARNINGS, CAUTIONS, AND OPERATING INSTRUCTIONS

**WARNING:** These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available. This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21CFR 1040.30 Canada:SOR/DORS/80-381)

**If the outer bulb is broken or punctured, turn off at once and replace the lamp to avoid possible injury from hazardous short wave ultraviolet radiation. Do not scratch the outer bulb or subject it to pressure as this could cause the outer bulb to crack or shatter. A partial vacuum in the outer bulb may cause glass to fly if the envelope is struck.**

**WARNING:** The arc-tube of metal halide lamps are designed to operate under high pressure and at temperatures up to 1000°C and can unexpectedly rupture due to internal or external factors such as a ballast failure or misapplication. If the arc-tube ruptures for any reason, the outer bulb may break and pieces of extremely hot glass might be discharged into the surrounding environment. If such a rupture were to happen, **THERE IS A RISK OF PERSONAL INJURY, PROPERTY DAMAGE, BURNS AND FIRE.**

These lamps are designed to retain all the glass particles, should an arc tube rupture occur. The following operating instructions are recommended to minimize the occurrences.

**RELAMP FIXTURES AT OR BEFORE THE END OF RATED LIFE. Allowing lamps to operate until they fail is not advised and may increase the possibility of inner arc tube rupture.**

**CAUTION:** TO REDUCE THE RISK OF PERSONAL INJURY, PROPERTY DAMAGE, BURNS AND FIRE RESULTING FROM AN ARC-TUBE RUPTURE THE FOLLOWING LAMP OPERATING INSTRUCTIONS MUST BE FOLLOWED:

#### LAMP OPERATING INSTRUCTIONS:

- RELAMP FIXTURES AT OR BEFORE THE END OF RATED LIFE. Allowing lamps to operate until they fail is not advised and may increase the possibility of inner arc tube rupture.
- Before lamp installation/replacement, shut power off and allow lamp and fixture to cool to avoid electrical shock and potential burn hazards.
- Use only auxiliary equipment meeting Philips and/or ANSI standards. Use within voltage limits recommended by ballast manufacturer.
  - Operate lamp only within specified limits of operation.
  - For total supply load refer to ballast manufacturers electrical data.
- Periodically inspect the outer envelope. Replace any lamps that show scratches, cracks or damage.
- If a lamp bulb support is used, be sure to insulate the support electrically to avoid possible decomposition of the bulb glass.
- Protect lamp base, socket and wiring against moisture, corrosive atmospheres and excessive heat.

7. Time should be allowed for lamps to stabilize in color when turned on for the first time. This may require several hours of operation, with more than one start. Lamp color is also subject to change under conditions of excess vibration or shock, and color appearance may vary between individual lamps.

8. Lamps may require 10 to 15 minutes to re-light if there is a power interruption. Less than 10 minutes on pulse start ballasts.

9. Take care in handling and disposing of lamps. If an arc tube is broken, avoid skin contact with any of the contents or fragments.



© 2012 Philips Lighting Company, A Division of Philips Electronics North America Corporation. All rights reserved. Printed in USA 10/12 P-6421-A www.philips.com

Philips Lighting Company  
200 Franklin Square Drive  
Somerset, NJ 08873  
1-800-555-0050

Philips Lighting  
281 Hillmount Road  
Markham, Ontario  
Canada L6C 2S3  
1-800-555-0050  
A Division of Philips Electronics Ltd.