

# Philips MasterColor® Integrated 25W PAR 38 Ceramic Metal Halide Lamps

Transform your business with a simple twist!



Photography by Jeff MacWright, MacWright Studio LLC

***Ideal for general, ambient  
or accent lighting***



## ► MasterColor® Technology

- Energy savings—Up to 3x less energy consumption than standard PAR 38 halogen lamps with comparable light output
- 10,500 hours rated average life<sup>1</sup>—Lasts up to 3x longer than standard halogen PAR 38
- Very good color rendering of 87
- Crisp white light (3000K)

## ► Integrated Electronic Ballast

- Easy upgrade and instant retrofit from halogen PAR 38

## ► Familiar PAR 38 Shape and Size

- Simple 'twist in' for one step easy installation
- Easy maintenance
- 10°, 25°, and 40° beam spread

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.

# PHILIPS

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877-402-6100

## Philips MasterColor® Integrated 25W PAR 38

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

Product Number	Ordering Code	Wattage	Base	Beam	Rated Average Life (hrs) <sup>1</sup>	MBCP <sup>2</sup>	Approx. Initial Lumens <sup>3</sup>	Approx. Mean Lumens <sup>3,4</sup>	CRI	CCT (Kelvin)	Input Voltage	Input Current <sup>5</sup>	Frequency
I4477-4	CDM-i25w/830/PAR38/10	25	Med.	SP	10,500	26,000	1220	850	87	3000K	120V	0.36	60Hz
I4478-2	CDM-i25w/830/PAR38/25	25	Med.	FL	10,500	5600	1220	850	87	3000K	120V	0.36	60Hz
I4479-0	CDM-i25w/830/PAR38/40	25	Med.	WFL	10,500	2100	1220	850	87	3000K	120V	0.36	60Hz

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) Maximum Beam Candlepower.

3) Measured at 100 hrs. life. Approximate lumen values listed are for vertical operation of the lamp.

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

5) **CAUTION:** New construction should allow for the current used by these lamps. Because of a power factor of .57 in the ballast of the lamp, the lamp uses .36 amps.

### WARNINGS, CAUTIONS AND OPERATING INSTRUCTIONS for MasterColor® Integrated PAR 38 Lamps

**R** “**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.**

**This lamp contains an arc tube with a filling gas containing less than 41 nCi of Kr-85 and is distributed by Philips Lighting Company, a division of Philips Electronics North America Corporation, Somerset, New Jersey, 08875.**

**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:

1. At high lighting levels or when illuminating light-sensitive materials the use of an extra UV filter is recommended.
2. Before lamp installation/replacement, shut power off and allow lamp and fixture to cool to avoid electrical shock and potential burn hazards.
3. 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.
4. Lamps may require up to 10 minutes to re-light if there is a power interruption.
5. Do not operate with an additional ballast, since a ballast is integrated in the lamp itself.
6. Do not use in totally enclosed recessed fixtures.
7. Take care in handling and disposing of lamps. If an arc tube is broken, avoid skin contact with any of the contents or fragments.
8. Lamp should not be used with dimmers.
9. Protect lamp, lamp socket and wiring against moisture, corrosive atmosphere and excessive heat. Lamp should be used in dry locations only.

These lamps may be used in open fixtures.

**Hg - LAMP CONTAINS MERCURY Manage in Accord with Disposal Laws See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-555-0050**

