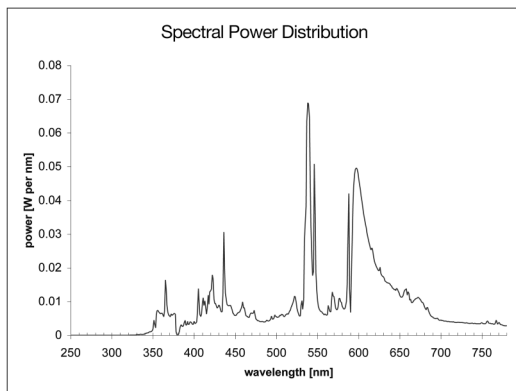
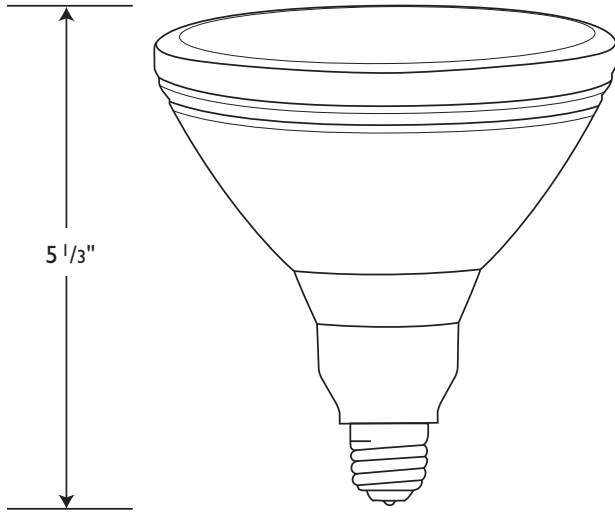


# Philips MasterColor® Integrated 25W PAR 38 Ceramic Metal Halide Lamps



## Ordering Information

Ordering Code	CDM-i25w/830/PAR38/10
	CDM-i25w/830/PAR38/25
	CDM-i25w/830/PAR38/40
Product Number	14477-4 (10°)
	14478-2 (25°)
	14479-0 (40°)
Description	MasterColor Integrated
Package Quantity	6

## Physical Characteristics

Bulb Size	PAR38
Bulb Finish	Clear
Base	Medium Skirted
Max. Overall Length (MOL)	5 1/3" (135mm)
Light Center Length (LCL)	N/A
Arc Length	N/A
Arc Tube Material	Polycrystalline Alumina
Max. Permissible Temp. Ring	149° F
Max. Permissible Temp. Cap	149° F
Max. Permissible Temp. Neck	176° F
Max. Eccentricity	3°

## Operating Characteristics (Photometric)

Approx. Initial Lumens <sup>1</sup>	1275
Approx. Mean Lumens <sup>1,2</sup>	880
Rated Average Life, Hours <sup>3</sup>	12,000
Correlated Color Temp. (CCT)	3000K
CIE Chromaticity Approx.	x-.440, y-.393
Color Rendering Index (CRI)	87
Efficacy System (Lpw)	51
MBCP (Max. Beam Candlepower)	26,000 (10°)
	5600 (25°)
	2100 (40°)
Beam Angle (at 50% of MBCP)	10°/25°/40°

## Operating Position

Universal-Open or Enclosed PAR Style Luminaires  
(Do not use in totally enclosed recessed luminaires)

# PHILIPS

## Philips MasterColor® Integrated 25W PAR 38

### Electrical Data (Subject to change without notice)

Wattage	25
Input Voltage	120V±10%
Frequency	60 Hz
Current (Nominal, Amps) <sup>1</sup>	0.36
Warm-up Time to 80% of Output	2 Minutes
Re-strike Time for Hot Lamp	5-7 Minutes
Minimum Operating Temperature	32° F
Max. THD	142%

- 1) Measured at 100 hrs. life. Approximate lumen values listed are for vertical operation of the lamp.
- 2) Approximate lumen output at 40% of lamp rated average life.
- 3) 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.
- 4) **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**

