# **PHILIPS** Lighting



# High efficiency with a crisp, sparkling light

# MasterColor CDM PAR38

Philips MasterColor<sup>®</sup> Ceramic Metal Halide PAR38 Lamps offer high-efficiency, ceramic metal halide reflector lamps with a stable color over lifetime and a crisp, sparkling light.

#### Benefits

- Philips MC PAR38 lamps deliver improved lumen maintenance over standard metal halide PAR lamps.
- Philips MC PAR38 lamps reduce lighting cost of ownership they are an energy efficient alternative to incandescent or halogen PAR lamps.

#### Features

- Superior color stability— within ±200K.
- · Lamp to lamp color consistency over life higher lumen maintenance.
- Improved lumen maintenance over standard metal halide.
- Feature ALTO lamp technology with reduced mercury.
- Operate on existing ballasts.
- Lamps feature integrated UV blocking medium for reduced fading of fabrics and paintings.
- 70 and 100 watt flood and spot, 3000, and 4000K versions

#### Application

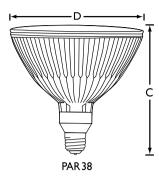
• Ideal for retail accent and display lighting and architectural lighting for interior and exterior applications.

#### Warnings and Safety

• 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:21 CFR 1040.30 Canada: SOR/DORS/80-381)

## MasterColor CDM PAR38

## Dimensional drawing



| Product                            | D         | D        | C (max)  |
|------------------------------------|-----------|----------|----------|
| CDM100/PAR38/FL/3K ALTO ELITE 12PK | 4.76 inch | 121.0 mm | 134.0 mm |
| CDM100/PAR38/FL/4K ALTO ELITE 12PK | 4.76 inch | 121.0 mm | 134.0 mm |
| CDM70/PAR38/FL/3K ALTO ELITE 12PK  | 4.76 inch | 121.0 mm | 134.0 mm |

| General Information    |              |
|------------------------|--------------|
| Cap-Base               | E26          |
| Operating Position     | UNIVERSAL    |
|                        |              |
| Light Technical        |              |
| Beam Angle (Nom)       | 25 degree(s) |
|                        |              |
| Controls and Dimming   |              |
| Dimmable               | No           |
|                        |              |
| Mechanical and Housing |              |
| Bulb Finish            | Clear        |
| Bulb Shape             | PAR38        |

#### Light Technical

|              |                              | Chromaticity       | Chromaticity       |                   | Correlated Color  | Color rendering | Luminous Intensity |
|--------------|------------------------------|--------------------|--------------------|-------------------|-------------------|-----------------|--------------------|
| Order Code   | Full Product Name            | Coordinate X (Nom) | Coordinate Y (Nom) | Color Designation | Temperature (Nom) | index (CRI)     | (Nom)              |
| 928493630901 | CDM70/PAR38/FL/3K ALTO ELITE | 0.430              | 0.403              | Warm White (WW)   | 3000 K            | 87              | 15,000 cd          |
|              | 12PK                         |                    |                    |                   |                   |                 |                    |
| 928494030901 | CDM100/PAR38/FL/3K ALTO      | 0.430              | 0.402              | Warm White (WW)   | 3000 K            | 92              | 20,000 cd          |
|              | ELITE 12PK                   |                    |                    |                   |                   |                 |                    |
| 928494230901 | CDM100/PAR38/FL/4K ALTO      | 0.380              | 0.375              | Cool White (CW)   | 4200 K            | 92              | 20,000 cd          |
|              | ELITE 12PK                   |                    |                    |                   |                   |                 |                    |

#### **Operating and Electrical**

| Order Code   | Full Product Name       | Voltage (Nom) | Power Consumption | Order Code   | Full Product Name       | Voltage (Nom) | Power Consumption |
|--------------|-------------------------|---------------|-------------------|--------------|-------------------------|---------------|-------------------|
| 928493630901 | CDM70/PAR38/FL/3K ALTO  | 95 V          | 70 W              | 928494230901 | CDM100/PAR38/FL/4K ALTO | 102 V         | 95.0 W            |
|              | ELITE 12PK              |               |                   |              | ELITE 12PK              |               |                   |
| 928494030901 | CDM100/PAR38/FL/3K ALTO | 90 V          | 100 W             |              |                         |               |                   |
|              | ELITE 12PK              |               |                   |              |                         |               |                   |

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