



# MasterColor CDM Elite MW Mogul Base

## MasterColor CDM Elite CDM315/U/O/4K ED37 6PK

Philips MasterColor CDM Elite MW Mogul Base Lamps. A high-performing protected “O” rated ceramic lamp is now available in familiar bulb shapes, without sacrificing lamp performance.

### Product data

| General Information                |                                  |
|------------------------------------|----------------------------------|
| Base                               | EX39 [ Exclusionary Mogul Screw] |
| Operating Position                 | Universal [ Universal]           |
| Life to 50% Failures (Nom)         | 30000 h                          |
| ANSI Code HID                      | C182/O                           |
| Features                           | Protected (P)                    |
| Light Technical                    |                                  |
| Color Code                         | 942 [ CCT of 4200K]              |
| Luminous Flux (Rated) (Min)        | 31200 lm                         |
| Luminous Flux (Rated) (Nom)        | 34300 lm                         |
| Color Designation                  | Cool White (CW)                  |
| Lumen Maintenance 2000 h (Nom)     | 93 %                             |
| Lumen Maintenance 5000 h (Nom)     | 87 %                             |
| Saturated Red (R9)                 | 90                               |
| Photosynthetic Photon Flux (PPF)   | 1.82 $\mu\text{mol/s}$           |
| Design Mean Lumens                 | 30780 lm                         |
| Chromaticity Coordinate X (Nom)    | 0.378                            |
| Chromaticity Coordinate Y (Nom)    | 0.385                            |
| Correlated Color Temperature (Nom) | 3950 K                           |

|                                 |          |
|---------------------------------|----------|
| Luminous Efficacy (Rated) (Min) | 99 lm/W  |
| Luminous Efficacy (rated) (Nom) | 109 lm/W |
| Color Rendering Index (Min)     | 89       |
| Color Rendering Index (Nom)     | 92       |

| Operating and Electrical      |         |
|-------------------------------|---------|
| Power (Rated) (Nom)           | 315.0 W |
| Lamp Current Run-Up (Nom)     | 4.15 A  |
| Ignition Supply Voltage (Max) | 4000 V  |
| Ignition Peak Voltage (Max)   | 161 V   |
| Ignition Supply Voltage (Min) | 3000 V  |
| Re-Ignition Time (Min) (Max)  | 15 min  |
| Ignition Time (Max)           | 3 s     |
| Voltage (Max)                 | 115 V   |
| Voltage (Min)                 | 90 V    |
| Voltage (Nom)                 | 100 V   |

| Controls and Dimming  |       |
|-----------------------|-------|
| Run-Up Time 90% (Max) | 3 min |

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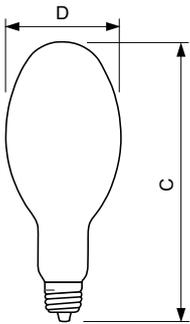
| Mechanical and Housing        |             |
|-------------------------------|-------------|
| Bulb Finish                   | Clear (CL)  |
| Overall Length (Max)          | 11.3 in     |
| Approval and Application      |             |
| Picogram Per Lumen Hour       | 39 pg/lm.h  |
| Mercury (Hg) Content (Max)    | 24 mg       |
| Mercury (Hg) Content (Nom)    | 23.4 mg     |
| UV                            |             |
| Pet (Niosh) (Nom)             | 146 h/500lx |
| Damage Factor D/fc (Nom)      | 0.37        |
| Luminaire Design Requirements |             |
| Bulb Temperature (Max)        | 400 °C      |

| Cap-Base Temperature (Nom)      | 210 °C   |
|---------------------------------|--|
| Product Data                    |  |
| Order product name              | MasterColor CDM Elite CDM 315/U/O/4K ED37<br>6PK |
| EAN/UPC - Product               | 046677427047                                     |
| Order code                      | 427047   |
| Numerator - Quantity Per Pack   | 1  |
| Numerator - Packs per outer box | 6  |
| Material Nr. (12NC)             | 928601175506                                     |
| Net Weight (Piece)              | 0.001 kg   |

## 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)
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-555-0050

## Dimensional drawing

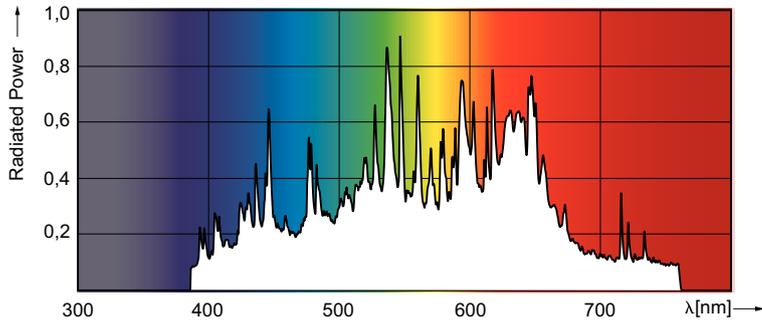


CDM-MW 315W/942 EX39 ED37 CL U P

| Product   | D        | D      | L (min) | L (max) | L      | C (max) |
|---|----------|--------|---------|---------|--------|---------|
| MasterColor CDM Elite<br>CDM 315/U/O/4K ED37<br>6PK | 4.625 in | 118 mm | 174 mm  | 182 mm  | 178 mm | 288 mm  |

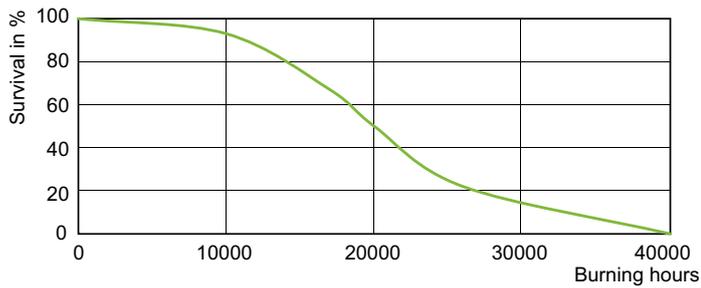
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## Photometric data

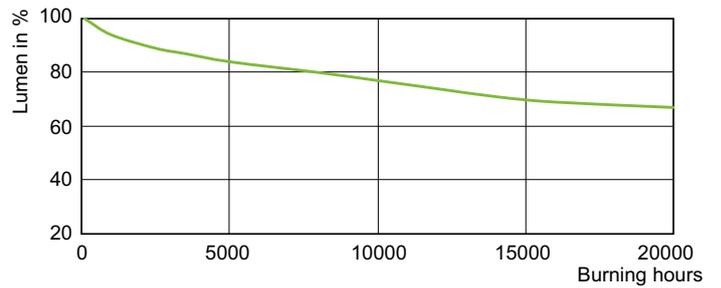


CDM-MW 315W /942

## Lifetime



CDM-MW 315W /942 CL



CDM-MW 315W /942 CL

