

# PHILIPS

## Lighting



# MasterColor CDM ED23 1/2 Standard

## MasterColor CDM150/U/PS/4K ALTO 12PK

A better value than quartz metal halide, with longer life, higher lumen maintenance, and energy efficiency.

### Product data

| General Information        |  |
|----------------------------|--|
| Cap-Base                   | E39 [ Single Contact Mogul Screw]                    |
| Operating Position         | Base Up Horizontal (BUH) [ Base Up Horizontal (BUH)] |
| Main Application           | General Lighting (G)                                 |
| Life to 50% Failures (Nom) | 24000 h  |
| ANSI Code HID              | M142/M102/E  |
| System Description         | Pulse Start  |

| Light Technical                 |                     |
|---------------------------------|---------------------|
| Color Code                      | 940 [ CCT of 4000K] |
| Luminous Flux (Rated) (Min)     | 11250 lm            |
| Luminous Flux (Rated) (Nom)     | 12500 lm            |
| Color Designation               | Cool White (CW)     |
| Lumen Maintenance - 40% Life    | 72 %                |
| Design Mean Lumens              | 9000 lm             |
| Chromaticity Coordinate X (Max) | 0.386               |
| Chromaticity Coordinate X (Min) | 0.368               |
| Chromaticity Coordinate X (Nom) | 0.377               |
| Chromaticity Coordinate Y (Max) | 0.373               |
| Chromaticity Coordinate Y (Min) | 0.361               |
| Chromaticity Coordinate Y (Nom) | 0.367               |

| Operating and Electrical      |        |
|-------------------------------|--------|
| Lamp Current (Nom)            | 1.8 A  |
| Ignition Supply Voltage (Min) | 235 V  |
| Re-Ignition Time (Min) (Max)  | 12 min |
| Ignition Time (Max)           | 10 s   |
| Voltage (Max)                 | 105 V  |
| Voltage (Min)                 | 85 V   |
| Voltage (Nom)                 | 95 V   |

| Mechanical and Housing |                                |
|------------------------|--------------------------------|
| Bulb Finish            | Clear                          |
| Cap-Base Information   | Nic/Brass [ Nickel/Brass Base] |
| Bulb Material          | Hard Glass                     |

| Correlated Color Temperature (Max) - K    |         |
|---|---------|
| Correlated Color Temperature (Min) - K    |         |
| Correlated Color Temperature (Nom) 4000 K |         |
| Luminous Efficacy (Rated) (Min)           | 75 lm/W |
| Luminous Efficacy (rated) (Nom)           | 83 lm/W |
| Color Rendering Index (Min)               | 87      |
| Color Rendering Index (Nom)               | 90      |

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## Approval and Application

|                            |              |
|----------------------------|--------------|
| Picogram Per Lumen Hour    | 50.7 pg/lm.h |
| Mercury (Hg) Content (Nom) | 12.3 mg      |

## UV

|                          |             |
|--------------------------|-------------|
| Pet (Niosh) (Nom)        | 192 h/500lx |
| Damage Factor D/fc (Nom) | 0.423       |

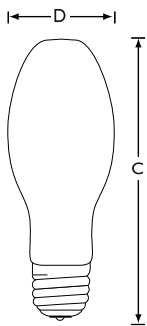
## Luminaire Design Requirements

|                            |        |
|----------------------------|--------|
| Bulb Temperature (Max)     | 400 °C |
| Cap-Base Temperature (Max) | 190 °C |

## Product Data

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Order product name              | MasterColor CDM150/U/PS/4K ALTO 12PK |
| EAN/UPC - Product               | 046677154943                         |
| Order code                      | 154948                               |
| Numerator - Quantity Per Pack   | 1                                    |
| Numerator - Packs per outer box | 12                                   |
| Material Nr. (12NC)             | 928601172101                         |
| Net Weight (Piece)              | 0.001 kg                             |

## Dimensional drawing



CDM PS 150W/940 E39 ED23 1/2 CL BUH

## Product

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