



# MasterColor CDM ED17 Protected Elite 4200K

MasterColor CDM 100W ED17P CL U ELITE/4K

MasterColor Elite Protected Ceramic Metal Halide ED-17 4200K  
Lamps provide excellent lumen maintenance and outstanding performance over time in a protected lamp.

## Product data

### • General Characteristics

|                                |                                      |
|--------------------------------|--------------------------------------|
| Base                           | Medium [Single Contact Medium Screw] |
| Base Information               | Brass [Brass Base]                   |
| Bulb                           | ED17P [Protected]                    |
| Bulb Material                  | Hard Glass                           |
| Bulb Finish                    | Clear                                |
| Operating Position             | Universal [Any or Universal (U)]     |
| Main Application               | General Lighting                     |
| RatedAvgLife(See Family Notes) | 20000 hr                             |

|                        |              |
|------------------------|--------------|
| Lamp Voltage           | 103 V        |
| Lamp Current           | 1.1 A        |
| Ignition Time          | 10 (max) s   |
| Re-ignition Time [min] | 10 (max) min |

### • Environmental Characteristics

|                         |               |
|-------------------------|---------------|
| Mercury (Hg) Content    | 10.3 (max) mg |
| Picogram per Lumen Hour | 68 p/LuHr     |

### • Light Technical Characteristics

|                              |                                       |
|------------------------------|---------------------------------------|
| Color Code                   | 940 [CCT of 4000K]                    |
| Color Rendering Index        | 89 (min), 92 (nom) Ra8                |
| Color Designation            | Cool White                            |
| Color Temperature            | 4000 K                                |
| Color Temperature technical  | 4000 K                                |
| Initial Lumens               | 9400 Lm                               |
| Luminous Efficacy Lamp       | 94 Lm/W                               |
| Lumen Maintenance - 10% life | 90 %                                  |
| Lumen Maintenance - 40% life | 80 %                                  |
| Design Mean Lumens           | 7520 Lm                               |
| Chromaticity Coordinate X    | 0.370 (min), 0.379 (nom), 0.388 (max) |
| Chromaticity Coordinate Y    | 0.364 (min), 0.370 (nom), 0.376 (max) |

### • UV-related Characteristics

|                    |                        |
|--------------------|------------------------|
| Damage Factor D/fc | 0.28 -                 |
| PET (NIOSH)        | 387 h500lx             |
| UV A               | 9.1 mW/cm <sup>2</sup> |
| UV B               | 0 mW/cm <sup>2</sup>   |
| UV C               | 0 mW/cm <sup>2</sup>   |

### • Luminaire Design Requirements

|                      |             |
|----------------------|-------------|
| Cap-Base Temperature | 190 (max) C |
| Bulb Temperature     | 400 (max) C |

### • Product Dimensions

|                              |                |
|------------------------------|----------------|
| Light Center Length L        | 3.438 in       |
| Max Overall Length (MOL) - C | 5.438 (max) in |
| Diameter D                   | 2.125 in       |

### • Electrical Characteristics

|       |       |
|-------|-------|
| Watts | 100 W |
|-------|-------|

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sense and simplicity

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## • Product Data

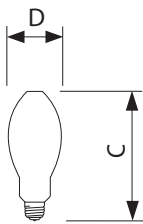
Product number 429936  
Full product name MasterColor CDM 100W ED17P CL U ELITE/4K  
Short product name MHC100/U/MP/4K ELITE  
Pieces per Sku 1

Skus/Case 12  
Bar code on pack 46677429935  
Bar code on case 50046677429930  
Logistics code(s) 928601178101  
eop\_net\_weight\_pp 0.001 kg

## Dimensional drawing

### MasterColor CDM 100W ED17P CL U ELITE/4K

| Product                             | C (Max) | D (Norm) |
|-------------------------------------|---------|----------|
| MHC P 100W/940 E26 ED17P CL U ELITE | 5.438   | 2.125    |



E26



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data subject to change