



Unrivaled performance, familiar shape

MasterColor CDM ED17 Protected Elite 4200K

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

Benefits

Features

Application

Warnings and Safety

Versions



E26, ED-17P, CL, Elite, 50W /940



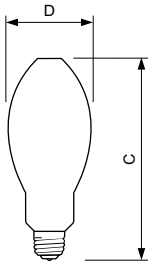
E26, ED-17P, CL, Elite, 70-100W /940



E26 ED17, ED-17P Coated

MasterColor CDM ED17 Protected Elite 4200K

Dimensional drawing



| Product | D | C (max) |
|------------------------|----------|----------|
| MHC100/C/U/MP/4K ELITE | 2.125 in | 5.438 in |
| MHC100/U/MP/4K ELITE | 2.125 in | 5.438 in |
| MHC50/U/MP/4K ELITE | 2.125 in | 5.438 in |
| MHC70/U/MP/4K ELITE | 2.125 in | 5.438 in |
| MHC70/C/U/MP/4K ELITE | 2.125 in | 5.438 in |

| General Information | |
|------------------------------------|-------------------------|
| Cap-Base | E26 |
| Life To 50% Failures (Nom) | 20000 h |
| Main Application | General Lighting (G) |
| Operating Position | UNIVERSAL |
| Luminaire Design Requirements | |
| Bulb Temperature (Max) | 400 °C |
| Light Technical | |
| Color Code | 940 |
| Color Designation | Cool White (CW) |
| Correlated Color Temperature (Nom) | 4000 K |
| Color Rendering Index (Min) | 87 |
| Color Rendering Index (Nom) | 90 |
| Lumen Maintenance - 10% Life | 90 % |
| Lumen Maintenance - 40% Life | 80 % |
| Mechanical and Housing | |
| Bulb Material | Hard Glass |
| Bulb Shape | ED-17P |

Approval and Application

| Order Code | Full Product Name | Mercury (Hg) Content (Max) | Picogram Per Lumen Hour |
|--------------|------------------------|----------------------------|-------------------------|
| 928601177801 | MHC50/U/MP/4K ELITE | 5.4 mg | 76 pg/lm.h |
| 928601177901 | MHC70/U/MP/4K ELITE | 7.1 mg | 76 pg/lm.h |
| 928601178101 | MHC100/U/MP/4K ELITE | 10.3 mg | 68 pg/lm.h |
| 928601178001 | MHC70/C/U/MP/4K ELITE | 7.1 mg | 79 pg/lm.h |
| 928601178201 | MHC100/C/U/MP/4K ELITE | 10.3 mg | 74 pg/lm.h |

Operating and Electrical (1/2)

| Order Code | Full Product Name | Lamp | | | |
|--------------|----------------------|---------------|---------------|---------------|---------------|
| | | Current (Nom) | Voltage (Max) | Voltage (Min) | Voltage (Nom) |
| 928601177801 | MHC50/U/MP/4K ELITE | 0.67 A | 98 V | 80 V | 88 V |
| 928601177901 | MHC70/U/MP/4K ELITE | 0.9 A | 115 V | 95 V | 100 V |
| 928601178101 | MHC100/U/MP/4K ELITE | 1.1 A | 118 V | 93 V | 103 V |

| Order Code | Full Product Name | Lamp | | | |
|--------------|------------------------|---------------|---------------|---------------|---------------|
| | | Current (Nom) | Voltage (Max) | Voltage (Min) | Voltage (Nom) |
| 928601178001 | MHC70/C/U/MP/4K ELITE | 0.9 A | 115 V | 95 V | 100 V |
| 928601178201 | MHC100/C/U/MP/4K ELITE | 1.1 A | 118 V | 93 V | 103 V |

Operating and Electrical (2/2)

MasterColor CDM ED17 Protected Elite 4200K

| Order Code | Full Product Name | Re-Ignition Time (Min) (Max) |
|--------------|----------------------|------------------------------|
| 928601177801 | MHC50/U/MP/4K ELITE | 8 min |
| 928601177901 | MHC70/U/MP/4K ELITE | 8 min |
| 928601178101 | MHC100/U/MP/4K ELITE | 10 min |

| Order Code | Full Product Name | Re-Ignition Time (Min) (Max) |
|--------------|------------------------|------------------------------|
| 928601178001 | MHC70/C/U/MP/4K ELITE | 8 min |
| 928601178201 | MHC100/C/U/MP/4K ELITE | 10 min |

Light Technical (1/2)

| Order Code | Full Product Name | Chromaticity Coordinate X (Max) | Chromaticity Coordinate X (Min) | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Max) |
|--------------|----------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 928601177801 | MHC50/U/MP/4K ELITE | 0.386 | 0.368 | 0.377 | 0.373 |
| 928601177901 | MHC70/U/MP/4K ELITE | 0.450 | 0.432 | 0.441 | 0.402 |
| 928601178101 | MHC100/U/MP/4K ELITE | 0.391 | 0.373 | 0.382 | 0.377 |

| Order Code | Full Product Name | Chromaticity Coordinate X (Max) | Chromaticity Coordinate X (Min) | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Max) |
|--------------|------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 928601178001 | MHC70/C/U/MP/4K ELITE | 0.391 | 0.373 | 0.382 | 0.369 |
| 928601178201 | MHC100/C/U/MP/4K ELITE | 0.398 | 0.380 | 0.389 | 0.381 |

Light Technical (2/2)

| Order Code | Full Product Name | Chromaticity Coordinate Y (Min) | Chromaticity Coordinate Y (Nom) | Luminous Efficacy (rated) (Min) | Luminous Efficacy (rated) (Nom) | Design Mean Lumens | Luminous Flux (Rated) (Min) | Luminous Flux (Rated) (Nom) |
|--------------|------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------|-----------------------------|-----------------------------|
| 928601177801 | MHC50/U/MP/4K ELITE | 0.361 | 0.367 | 86 lm/W | 92 lm/W | 3680 lm | 4320 lm | 4800 lm |
| 928601177901 | MHC70/U/MP/4K ELITE | 0.390 | 0.392 | 85 lm/W | 88 lm/W | 4960 lm | 5900 lm | 6500 lm |
| 928601178101 | MHC100/U/MP/4K ELITE | 0.362 | 0.371 | 91 lm/W | 94 lm/W | 7520 lm | 8500 lm | 9400 lm |
| 928601178001 | MHC70/C/U/MP/4K ELITE | 0.357 | 0.363 | 80 lm/W | 84 lm/W | 4720 lm | 5400 lm | 5900 lm |
| 928601178201 | MHC100/C/U/MP/4K ELITE | 0.369 | 0.375 | 85 lm/W | 87 lm/W | 6960 lm | 7900 lm | 8700 lm |

Mechanical and Housing

| Order Code | Full Product Name | Bulb Finish |
|--------------|----------------------|-------------|
| 928601177801 | MHC50/U/MP/4K ELITE | Clear |
| 928601177901 | MHC70/U/MP/4K ELITE | Clear |
| 928601178101 | MHC100/U/MP/4K ELITE | Clear |

| Order Code | Full Product Name | Bulb Finish |
|--------------|------------------------|--------------|
| 928601178001 | MHC70/C/U/MP/4K ELITE | Coated glass |
| 928601178201 | MHC100/C/U/MP/4K ELITE | Coated glass |

