

MasterColor® CDM ED28 Protected

MasterColor CDM 400W/942 PS ED28 CL V ALTO

Philips MasterColor Protected Pulse Start Ceramic Metal Halide lamps offer a range of protected high-efficiency long life medium wattage lamps with a stable lumen maintenance over lifetime and provides crisp, sparkling light.



Product data

• Product Data

| | |
|-----------------------------|--|
| Order code | 928601155501 |
| Full product code | 928601155501 |
| Full product name | MasterColor CDM 400W/942 PS ED28 CL V ALTO |
| Order product name | CDM 400W/942 PS ED28 CL V ALTO |
| Pieces per pack | 1 |
| Packs per outerbox | 12 |
| Bar code on pack - EAN1 | 046677145989 |
| Bar code on outerbox - EAN3 | 50046677145984 |
| Logistic code(s) - 12NC | 928601155501 |

• General Characteristics

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|--------------------------------|---|
| System Description | Pulse Start |
| Base | Exclusionary Mogul Screw [Exclusionary Mogul Screw] |
| Base Information | Nic/Brass [Nickel/Brass Base] |
| Bulb | ED28 |
| Bulb Material | Hard Glass |
| Bulb Finish | Clear |
| Operating Position | vbu/vbd15 [Vertical or Base Up/Base Down +/-15D] |
| Main Application | General Lighting |
| RatedAvgLife(See Family Notes) | 20000 hr |

• Electrical Characteristics

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|---------------|--------|
| Lamp Wattage | 400 W |
| Lamp Voltage | 150 V |
| Lamp Current | 3.15 A |
| Ignition Time | 120 s |

| | |
|------------------------|--------|
| Re-ignition Time [min] | 15 min |
|------------------------|--------|

• Environmental Characteristics

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|----------------------|---------|
| Mercury (Hg) Content | 11.8 mg |
|----------------------|---------|

• Light Technical Characteristics

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|------------------------------|--------------------------------------|
| Color Code | 942 [CCT of 4200K] |
| Color Rendering Index | 85 (min), 90 (nom) Ra8 |
| Color Designation | Cool White |
| Color Temperature | 4200 K |
| Color Temperature technical | 4000 (min), 4200 (nom), 4400 (max) K |
| Chromaticity Coordinate X | 371 (min), 381 (nom), 391 (max) - |
| Chromaticity Coordinate Y | 362 (min), 372 (nom), 382 (max) - |
| Initial Lumens | 36000 Lm |
| Luminous Efficacy Lamp | 91 Lm/W |
| Lumen Maintenance 2000h | 85 % |
| Design Mean Lumens | 28800 Lm |
| Lumen Maintenance - 40% life | 80 % |
| Lumen Maintenance - 10% life | 88 % |

• Product Dimensions

| | |
|-----------------------|------|
| Light Center Length L | 5 in |
|-----------------------|------|

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sense and simplicity

Max. Overall Length (MOL) - C 8.313 in
Diameter D 3.5 in

• Luminaire Design Requirements

Cap-Base Temperature 210 C
Bulb Temperature 400 C



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data subject to change