



# MasterColor CDM ED17 Protected

## MHC150/C/U/MP/3K ALTO 12PK

Direct retrofit with immediate energy savings! Range of protected, high-efficiency long life ceramic metal halide lamps with a stable color over lifetime and a crisp, sparkling light to be used in open fixtures.

### Product data

| General Information        |                                    |
|----------------------------|------------------------------------|
| Cap-Base                   | E26 [ Single Contact Medium Screw] |
| Operating Position         | Universal [ Universal]             |
| Main Application           | General Lighting (G)               |
| Life To 50% Failures (Nom) | 16000 h                            |
| ANSI Code HID              | M142/M102/O                        |
| Features                   | ALTO® + FadeBlock™                 |

| Light Technical                 |                     |
|---------------------------------|---------------------|
| Color Code                      | 830 [ CCT of 3000K] |
| Luminous Flux (Rated) (Min)     | 11000 lm            |
| Luminous Flux (Rated) (Nom)     | 12000 lm            |
| Color Designation               | Warm White (WW)     |
| Lumen Maintenance - 40% Life    | 77 %                |
| Lumen Maintenance - 10% Life    | 87 %                |
| Design Mean Lumens              | 8092 lm             |
| Chromaticity Coordinate X (Max) | 0.449               |
| Chromaticity Coordinate X (Min) | 0.431               |
| Chromaticity Coordinate X (Nom) | 0.440               |
| Chromaticity Coordinate Y (Max) | 0.4                 |

|                                    |           |
|------------------------------------|-----------|
| Chromaticity Coordinate Y (Min)    | 0.388     |
| Chromaticity Coordinate Y (Nom)    | 0.394     |
| Correlated Color Temperature (Nom) | 3000 K    |
| Luminous Efficacy (rated) (Min)    | 71.4 lm/W |
| Luminous Efficacy (rated) (Nom)    | 79.3 lm/W |
| Color Rendering Index (Min)        | 80        |
| Color Rendering Index (Nom)        | 83        |

| 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            | Coated [ Coated glass (CO)] |
| Cap-Base Information   | Brass [ Brass Cap]          |

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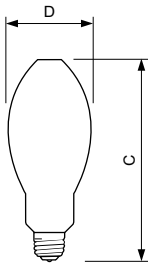
|                                      |               |
|--------------------------------------|---------------|
| <b>Bulb Material</b>                 | Hard Glass    |
| <b>Approval and Application</b>      |               |
| <b>Picogram Per Lumen Hour</b>       | 109.7 pg/lm.h |
| <b>Mercury (Hg) Content (Max)</b>    | 14.2 mg       |
| <b>UV</b>                            |               |
| <b>Pet (Niosh) (Nom)</b>             | 302.9 h/500lx |
| <b>Damage Factor D/fc (Nom)</b>      | 0.19          |
| <b>Luminaire Design Requirements</b> |               |
| <b>Bulb Temperature (Max)</b>        | 400 °C        |

|  |                            |
|--|----------------------------|
| <b>Cap-Base Temperature (Max)</b>      | 190 °C                     |
| <b>Product Data</b>                    |                            |
| <b>Order product name</b>              | MHC150/C/U/MP/3K ALTO 12PK |
| <b>EAN/UPC - Product</b>               | 046677134648               |
| <b>Order code</b>                      | 134643                     |
| <b>Numerator - Quantity Per Pack</b>   | 1                          |
| <b>Numerator - Packs per outer box</b> | 12                         |
| <b>Material Nr. (12NC)</b>             | 928601171601               |
| <b>Net Weight (Piece)</b>              | 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)

## Dimensional drawing



| Product                    | D        | C (max)  |
|----------------------------|----------|----------|
| MHC150/C/U/MP/3K ALTO 12PK | 2.125 in | 5.438 in |

MHC P 150W/830 E26 ED17P CO U ALTO+FB

