

# MasterColor CDM-T Elite Med Wattage

## CDM T9 ELITE 315W/930/U/E NA

The Philips MasterColor Elite MW system offers an unrivalled level of light quality and performance. The lamp's sparkling white light creates a natural ambience and really brings out the best in all different types of colors. In addition, the high efficiency of the lamp and ballast together means reduced energy use and a lower cost of ownership compared to a 400W Metal Halide HID system.

### Product data

| General Information | |
|---|---|
| **Cap-Base** | PGZ18 [ PGZ18] |
| **Operating Position** | UNIVERSAL [ Any or Universal (U)] |
| **Life to 5% Failures (Nom)** | 12500 h |
| **Life to 10% Failures (Nom)** | 16000 h |
| **Life to 50% Failures (Nom)** | 30000 h |
| **ANSI Code HID** | C182/E |
| **Features** | na [ Not Applicable] |

| Light Technical | |
|---|---|
| **Color Code** | 930 [ CCT of 3000K] |
| **Luminous Flux (Rated) (Min)** | 35280 lm |
| **Luminous Flux (Rated) (Nom)** | 38700 lm |
| **Color Designation** | Warm White (WW) |
| **Lumen Maintenance 12000 h (Nom)** | 89 % |
| **Lumen Maintenance 10000 h (Nom)** | 90 % |
| **Lumen Maintenance 2000 h (Nom)** | 99 % |
| **Lumen Maintenance 20000 h** | 80 % |
| **Lumen Maintenance - 40% Life** | 89 % |
| **Lumen Maintenance 5000 h (Nom)** | 96 % |
| **Lumen Maintenance - 10% Life** | 96 % |
| **Saturated Red** | 45 |
| **Design Mean Lumens** | 34440 lm |
| **Chromaticity Coordinate X (Nom)** | 0.429 |
| **Chromaticity Coordinate Y (Nom)** | 0.398 |
| **Correlated Color Temperature (Max)** | - K |
| **Correlated Color Temperature (Min)** | - K |
| **Correlated Color Temperature (Nom)** | 3090 K |
| **Luminous Efficacy (Rated) (Min)** | 112 lm/W |
| **Luminous Efficacy (rated) (Nom)** | 120 lm/W |
| **Color Rendering Index (Min)** | 87 |
| **Color Rendering Index (Nom)** | 90 |

| Operating and Electrical | |
|---|---|
| **Power (Rated) (Nom)** | 315.0 W |
| **Lamp Current Run-Up (Nom)** | 4.7 A |
| **Ignition Supply Voltage (Max)** | 4000 V |
| **Ignition Peak Voltage (Max)** | 4000 V |
| **Ignition Supply Voltage (Min)** | 3000 V |
| **Re-Ignition Time (Min) (Max)** | 10 min |

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| | |
|---|---|
| **Ignition Time (Max)** | 3 s |
| **Voltage (Max)** | 115 V |
| **Voltage (Min)** | 90 V |
| **Voltage (Nom)** | 100 V |

### Controls and Dimming

| | |
|---|---|
| **Run-Up Time 90% (Max)** | 1.5 min |

### Mechanical and Housing

| | |
|---|---|
| **Bulb Finish** | Clear |
| **Overall Length (Max)** | 7.4 in |

### Approval and Application

| | |
|---|---|
| **Energy Efficiency Label (EEL)** | A+ |
| **Picogram Per Lumen Hour** | 27.1 pg/lm.h |
| **Mercury (Hg) Content (Max)** | 28 mg |
| **Energy Consumption kWh/1000 h** | 346 kWh |

### UV

| | |
|---|---|
| **Pet (Niosh) (Nom)** | 141 h/500lx |

| | |
|---|---|
| **Damage Factor D/fc (Nom)** | 0.013 |

### Luminaire Design Requirements

| | |
|---|---|
| **Bulb Temperature (Max)** | 600 °C |
| **Cap-Base Temperature (Nom)** | 250 °C |
| **Pinch Temperature (Max)** | 300 °C |

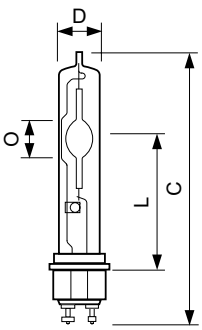
### Product Data

| | |
|---|---|
| **Order product name** | CDM T9 ELITE 315W/930/U/E NA |
| **EAN/UPC - Product** | 046677218317 |
| **Order code** | 928601164602 |
| **Numerator - Quantity Per Pack** | 1 |
| **Numerator - Packs per outer box** | 12 |
| **Material Nr. (12NC)** | 928601164602 |
| **Net Weight (Piece)** | 0.001 kg |
| **ILCOS Code** | MT-315/30/1A-H-PGZ18 |

## 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

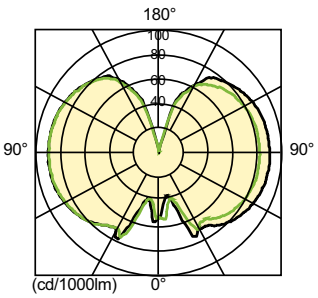


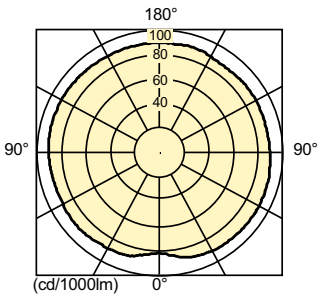

**CDM TMW 315W/930 PGZ18 U**

| Product | D (max) | D | D | C (max) | C |
|---|---|---|---|---|---|
| CDM T9 ELITE 315W/930/U/E NA | 29 mm | 1.1 in | 28 mm | 188 mm | 186 mm |

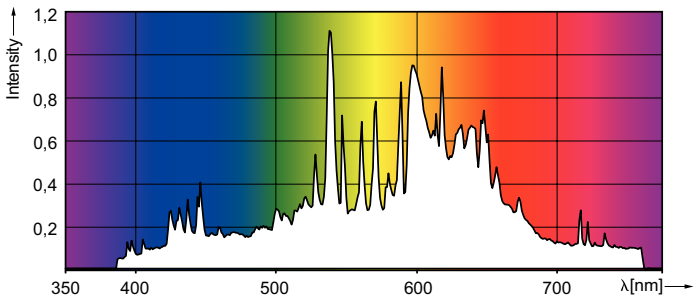
# MasterColor CDM-T Elite Med Wattage

## Photometric data



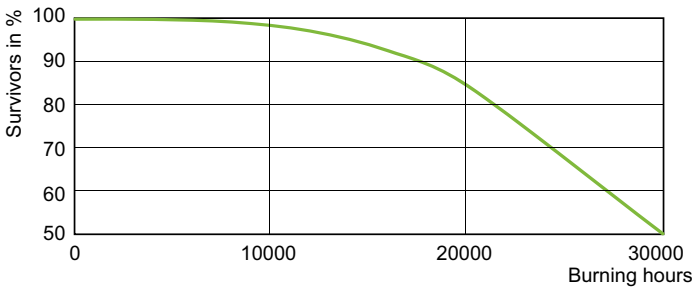




CDM-T Elite MW 315W /930

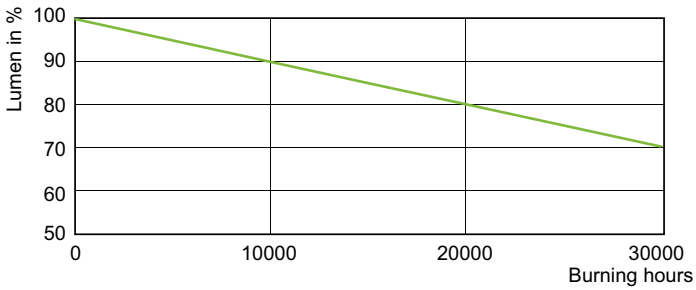



CDM-TMW 315W /930

## Lifetime




CDM-T Elite MW 315W /930, /942




CDM-T Elite MW 210W, 315W, /930, /942

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