

# MasterColor CDM-T T6

MasterColor CDM-T 150W/830 T6 1CT



MasterColor CDM lamp gives a unique combination of unbeatable light quality and consistent performance over lifetime while keeping running costs low. The Philips MasterColor Tubular Single-Ended T6 lamp is a compact, energy efficient, ceramic metal halide lamp that provides crisp, sparkling light.

## Product data

### • General Characteristics

Base	G12
Bulb	T6 [Diameter: 6/8 inch /19mm]
Bulb Finish	Clear
Operating Position	Universal [Any or Universal (U)]
Life to 5% failures EM	9000 hr
Life to 5% failures EL	9000 hr
Life to 10% failures EM	10000 hr
Life to 10% failures EL	10000 hr
Life to 20% failures EM	11000 hr
Life to 20% failures EL	11000 hr
Avg. Life	12000 hr
Avg. Hrs. Life	12000 hr

### • Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	88 Ra8
Color Designation	Warm White
Color Temperature	3000 K
Color Temperature technical	2950 K
Initial Lumens	13200 Lm
Initial Lumens	13600 Lm
Luminous Efficacy Lamp EM	90 Lm/W
Luminous Efficacy Lamp EL	91 Lm/W
Lumen Maintenance EM 2000h	75 %
Lumen Maintenance EL 2000h	75 %

Lumen Maintenance EM 5000h	65 %
Lumen Maintenance EL 5000h	70 %
Lumen Maintenance EM 10000h	50 %
Lumen Maintenance EL 10000h	60 %
Design Mean Lumens EL	9600 Lm
Design Mean Lumens EM	8900 Lm
Chromaticity Coordinate X	0.436 -
Chromaticity Coordinate Y	0.396 -

### • Electrical Characteristics

System Power EM	165 W
System Power EL	167 W
Watts	150 W
Lamp Wattage EM 25°C, Nominal	150.0 W
Lamp Wattage EM 25°C, Rated	147.0 W
Lamp Wattage EL 25°C, Rated	150.0 W
Lamp Wattage EL 25°C, Nominal	150.0 W
Lamp Voltage	96 V
Lamp Current EM	1.8 A
Lamp Current EL	1.62 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Ignition Peak Voltage	3500 (min) V

**PHILIPS**

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Re-ignition Time [min] 15 (max) min  
Dimmable No

• Environmental Characteristics

Energy Efficiency Label (EEL) A+  
Mercury (Hg) Content 14.25 mg  
Energy consumption kWh/1000h 165 kWh

• UV-related Characteristics

Damage Factor D/fc PET (NIOSH) 0.3 (max) - 8 (min) h500lx

• Luminaire Design Requirements

Cap-Base Temperature 280 (max) C  
Pinch Temperature 350 (max) C  
Bulb Temperature 650 (max) C

• Product Dimensions

Reference Length A 96 (max) mm

Overall Length C 110 (max) mm  
Diameter D 20 (max) mm  
Light Center Length L 55 (min), 56 (nom), 57 (max) mm  
Arc Length O 9 mm  
Light Center Length L 2.21875 in  
Max Overall Length (MOL) - C 4.34375 (max) in  
Diameter D 0.75 in

• Product Data

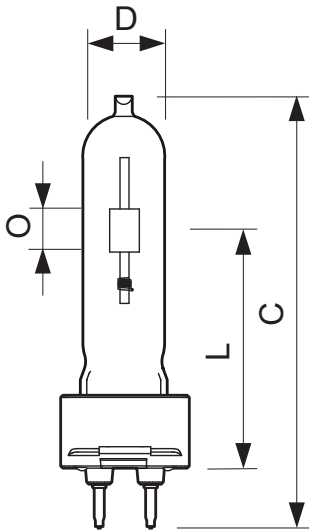
Product number 232728  
Full product name MasterColor CDM-T 150W/830 T6 1CT  
Short product name CDM150/T6/830 12PK  
Pieces per Sku 1  
eop\_pck\_cfg 12  
Skus/Case 12  
Bar code on pack 46677232726  
Bar code on case 50046677232721  
Logistics code(s) 928083705115  
tpd\_ilcos\_cd MT/UB-150/830-H-G12-21/100  
eop\_net\_weight\_pp 0.033 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)

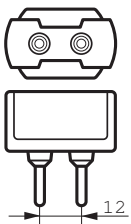
## Dimensional drawing



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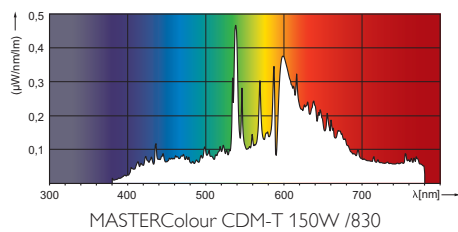
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T 150W/830 G12	110	20	55	56	57	9

## Dimensional drawing



G12

## Photometric data



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2014, April 8  
data subject to change