

# MasterColor CDM-T T6

MasterColor CDM-T 35W/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	8000 hr
Life to 5% failures EL	8000 hr
Life to 10% failures EM	9000 hr
Life to 10% failures EL	9000 hr
Life to 20% failures EM	10000 hr
Life to 20% failures EL	10000 hr
Avg. Life	12000 hr
Avg. Hrs. Life	12000 hr

### • Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	81 Ra8
Color Designation	Warm White
Color Temperature	3000 K
Color Temperature technical	3095 K
Initial Lumens	3000 Lm
Initial Lumens	3150 Lm
Luminous Efficacy Lamp EM	79 Lm/W
Luminous Efficacy Lamp EL	81 Lm/W
Lumen Maintenance EM 2000h	75 %
Lumen Maintenance EL 2000h	80 %

Lumen Maintenance EM 5000h	65 %
Lumen Maintenance EL 5000h	70 %
Lumen Maintenance EM 10000h	45 %
Lumen Maintenance EL 10000h	50 %
Design Mean Lumens EL	2250 Lm
Design Mean Lumens EM	2000 Lm
Chromaticity Coordinate X	0.428 -
Chromaticity Coordinate Y	0.397 -

### • Electrical Characteristics

System Power EM	47 W
System Power EL	44 W
Watts	35 W
Lamp Wattage EM 25°C, Nominal	35.0 W
Lamp Wattage EM 25°C, Rated	38.0 W
Lamp Wattage EL 25°C, Rated	39.0 W
Lamp Wattage EL 25°C, Nominal	35.0 W
Lamp Voltage	88 V
Lamp Current EM	0.53 A
Lamp Current EL	0.47 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 3.1 mg  
Energy consumption kWh/1000h 41 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 500 (max) C

• Product Dimensions

Reference Length A 90 (max) mm

Overall Length C 103 (max) mm  
Diameter D 20 (max) mm  
Light Center Length L 55 (min), 56 (nom), 57 (max) mm  
Arc Length O 5 mm  
Light Center Length L 2.21875 in  
Max Overall Length (MOL) - C 3.9375 (max) in  
Diameter D 0.75 in

• Product Data

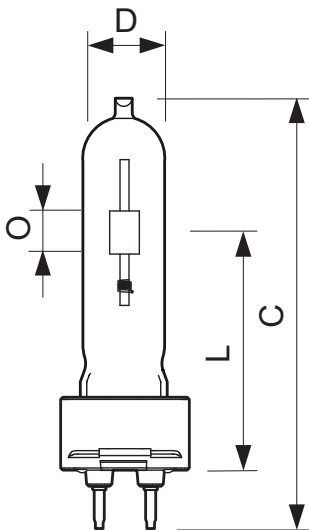
Product number 223289  
Full product name MASTERColour CDM-T  
Short product name MASTERColour CDM-T  
Pieces per Sku 1  
eop\_pck\_cfg 12  
Skus/Case 12  
Bar code on pack 46677223281  
Bar code on case 50046677223286  
Logistics code(s) 928083105115  
tpd\_ilcos\_cd MT/UB-35/830-H-G12-20/90  
eop\_net\_weight\_pp 27.000 gr

## 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)

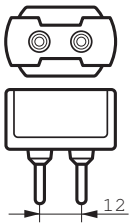
## Dimensional drawing



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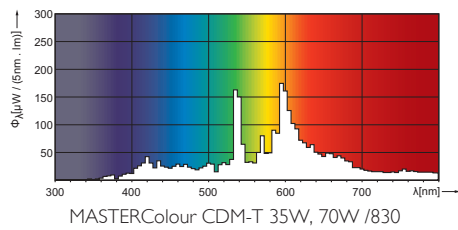
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T 35W/830 G12	103	20	55	56	57	5

## Dimensional drawing



G12

## Photometric data



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2014, December 1  
data subject to change