



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

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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
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• 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
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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

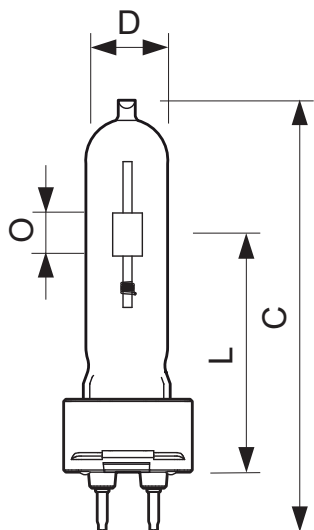
Product number	232728
Full product name	MasterColor CDM-T 150W/830 T6 1CT
Short product name	CDM150/T6/830 12PK
Pieces per Sku	1
eop_pck_cfg	12
Skus/Case	12
Bar code on pack	46677232726
Bar code on case	50046677232721
Logistics code(s)	928083705115
tpd_ilcos_cd	MT/UB-150/830-H-G12-21/100
eop_net_weight_pp	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)

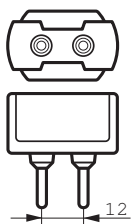
Dimensional drawing



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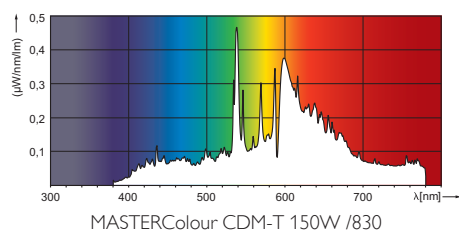
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T 150W/830 G12	110	20	55	56	57	9

Dimensional drawing



G12

Photometric data



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2014, April 8
data subject to change