



MasterColor CDM-T T6

MasterColor CDM-T 35W/842 T6 CL 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	842 [CCT of 4200K]
Color Rendering Index	84 Ra8
Color Designation	Cool White
Color Temperature	4200 K
Color Temperature technical	4200 K
Initial Lumens	3100 Lm
Luminous Efficacy	79 Lm/W
Lamp EL	
Lumen Maintenance EL 2000h	90 %
Lumen Maintenance EL 5000h	85 %
Lumen Maintenance EL 10000h	70 %

Design Mean Lumens EL	2600 Lm
Chromaticity Coordinate X	0.365 -
Chromaticity Coordinate Y	0.364 -

• Electrical Characteristics

System Power EL	44 W
Watts	35 W
Lamp Wattage EL	39.0 W
25°C, Rated	
Lamp Wattage EL	35.0 W
25°C, Nominal	
Lamp Voltage	85 V
Lamp Current EL	0.46 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Ignition Peak Voltage	3500 (min) V
Re-ignition Time [min]	15 (max) min
Dimmable	No

• Environmental Characteristics

Energy Efficiency	A+
Label (EEL)	
Mercury (Hg) Content	2.7 mg
Energy consumption kWh/1000h	41 kWh

• UV-related Characteristics

Damage Factor D/fc	0.5 (max) -
PET (NIOSH)	8 (min) h500lx

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• 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	2.2 in

Max Overall Length (MOL) - C	3.9375 (max) in
Diameter D	0.75 in

• Product Data

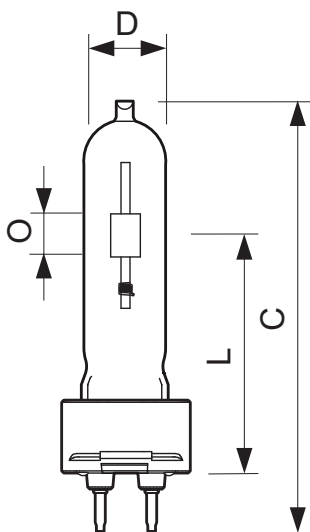
Product number	208868
Full product name	MasterColor CDM-T 35W/842 T6 CL 1CT
Short product name	CDM-T 35W/842 T6
Pieces per Sku	1
eop_pck_cfg	12
Skus/Case	12
Bar code on pack	46677208868
Bar code on case	50046677208863
Logistics code(s)	928099805115
tpd_ilcos_cd	MT/UB-35/842-H-G12-20/90
eop_net_weight_pp	0.028 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

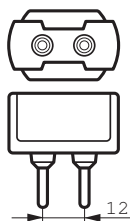
remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

Dimensional drawing



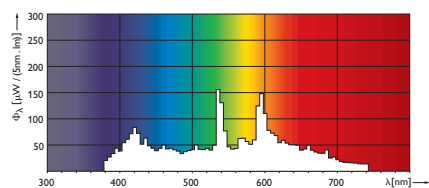
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Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T 35W/842 G12	103	20	55	56	57	5



G12

Photometric data



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www.philips.com/lighting

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data subject to change