

MasterColor CDM-T T6

MasterColor CDM-T 70W/942 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)]
Avg. Life	12000 hr
Avg. Hrs. Life	12000 hr
Life to 10% failures EM	10000 hr
Life to 5% failures EL	9000 hr
Life to 5% failures EM	9000 hr
Life to 20% failures EL	11000 hr
Life to 20% failures EM	11000 hr
Life to 10% failures EL	10000 hr

• Light Technical Characteristics

Color Code	942 [CCT of 4200K]
Color Rendering Index	92 Ra8
Color Designation	Cool White
Color Temperature	4200 K
Color Temperature technical	4185 K
Chromaticity Coordinate X	0.372 -
Chromaticity Coordinate Y	0.369 -
Initial Lumens	6600 Lm
Initial Lumens	6600 Lm
Luminous Efficacy Lamp EM	92 Lm/W
Luminous Efficacy Lamp EL	92 Lm/W

Lumen Maintenance EM 2000h	85 %
Lumen Maintenance EL 2000h	85 %
Lumen Maintenance EM 5000h	70 %
Lumen Maintenance EL 5000h	75 %
Lumen Maintenance EM 10000h	55 %
Lumen Maintenance EL 10000h	65 %
Design Mean Lumens EL	4900 Lm
Design Mean Lumens EM	3900 Lm

• Electrical Characteristics

System Power EM	88 W
System Power EL	80 W
Watts	70 W
Lamp Wattage	72.0 W
Lamp Wattage EL	73 W
Lamp Voltage	88 V
Lamp Current EM	0.98 A
Lamp Current EL	0.87 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

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sense and simplicity

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• Environmental Characteristics

Mercury (Hg) Content 6.1 mg

• UV-related Characteristics

PET (NIOSH) 35 h.klx
Damage Factor D/fc 0.35 -

• 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 6 mm
Light Center Length L 2.21875 in
Max Overall Length (MOL) - C 3.9375 (max) in
Diameter D 0.75 in

• Product Data

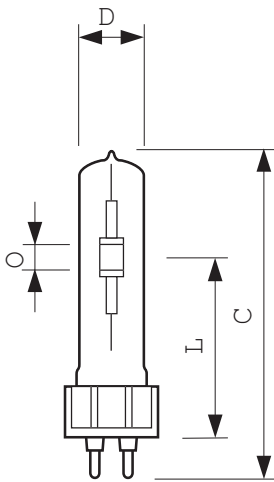
Product number 281378
Full product name MasterColor CDM-T 70W/942 T6 1CT
Short product name CDM70/T6/942 12PK
Pieces per Sku 1
eop_pck_cfg 12
Skus/Case 12
Bar code on pack 46677281373
Bar code on case 50046677281378
Logistics code(s) 928084505117
tpd_ilcos_cd MT-70/42/1A-H-G12
eop_net_weight_pp 0.029 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)

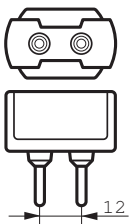
Dimensional drawing



CDM-T

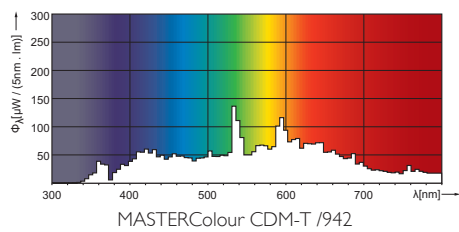
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T 70W/942 G12	103	20	55	56	57	6

Dimensional drawing



G12

Photometric data



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www.philips.com/lighting

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data subject to change