

MasterColor CDM-T T6

MasterColor CDM-T 150W/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)]
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	942 [CCT of 4200K]
Color Rendering Index	96 Ra8
Color Designation	Cool White
Color Temperature	4200 K
Color Temperature technical	4050 K
Initial Lumens	12000 Lm
Initial Lumens	12700 Lm
Luminous Efficacy Lamp EM	83 Lm/W
Luminous Efficacy Lamp EL	85 Lm/W
Lumen Maintenance EM 2000h	85 %
Lumen Maintenance EL 2000h	85 %

Lumen Maintenance EM 5000h	75 %
Lumen Maintenance EL 5000h	80 %
Lumen Maintenance EM 10000h	65 %
Lumen Maintenance EL 10000h	70 %
Design Mean Lumens EL	10800 Lm
Design Mean Lumens EM	9900 Lm
Chromaticity Coordinate X	0.375 -
Chromaticity Coordinate Y	0.363 -

• 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	145.0 W
Lamp Wattage EL 25°C, Rated	150.0 W
Lamp Wattage EL 25°C, Nominal	150.0 W
Lamp Voltage	90 V
Lamp Current EM	1.9 A
Lamp Current EL	1.7 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Ignition Peak Voltage	3500 (min) V

PHILIPS

MasterColor CDM-T T6

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

• Environmental Characteristics

Energy Efficiency Label (EEL) A+
Mercury (Hg) Content 10.4 mg
Energy consumption kWh/1000h 165 kWh

• UV-related Characteristics

Damage Factor D/fc PET (NIOSH) 0.4 (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 8 mm
Light Center Length L 2.21875 in
Max Overall Length (MOL) - C 4.34375 (max) in
Diameter D 0.75 in

• Product Data

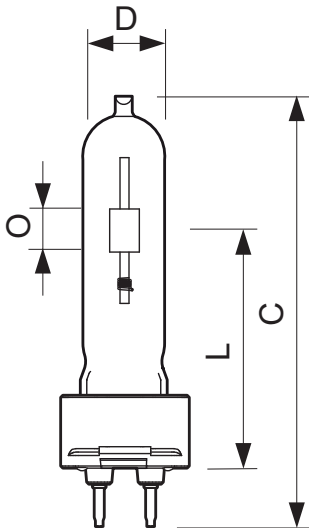
Product number 373696
Full product name MASTERColour CDM-T 150W/942 G12 1CT
Short product name MASTERC CDM-T 150W/942 G12 1CT
Pieces per Sku 1
eop_pck_cfg 12
Skus/Case 12
Bar code on pack 8711500200051
Bar code on case 8711500200068
Logistics code(s) 928084605131
tpd_ilcos_cd MT/UB-150/942-H-G12-21/100
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)

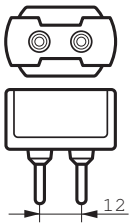
Dimensional drawing



MasterColor CDM-T 150W/942 T6 1CT

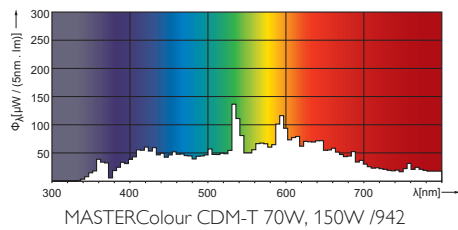
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T 150W/942 G12	110	20	55	56	57	8

Dimensional drawing



G12

Photometric data



© 2014 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2014, December 1
data subject to change