

PHILIPS

Lighting



MasterColor CDM-T T6

MasterColor CDM-T 70W/830 G12 T6 CL

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.

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)
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: www.lamprecycle.org or 1-800-555-0050

Product data

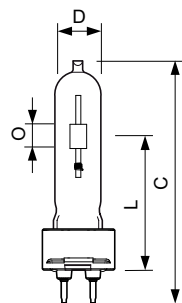
General Information		Color Designation	
Base	G12 [G12]	Warm White (WW)	
Operating Position	Universal [Universal]	Lumen Maintenance 10000 h (Nom)	70 %
Life to 5% Failures (Nom)	9000 h	Lumen Maintenance 2000 h (Min)	75 %
Life To 10% Failures (Nom)	10000 h	Lumen Maintenance 2000 h (Nom)	85 %
Life to 20% Failures (Nom)	11000 h	Lumen Maintenance 5000 h (Min)	70 %
Life to 50% Failures (Nom)	12000 h	Lumen Maintenance 5000 h (Nom)	80 %
ANSI Code HID	C139/E	Chromaticity Coordinate X (Nom)	0.432
		Chromaticity Coordinate Y (Nom)	0.395
		Correlated Color Temperature (Nom)	3000 K
		Luminous Efficacy (rated) (Nom)	85 lm/W
		Color Rendering Index (Nom)	84
Light Technical			
Color Code	830 [CCT of 3000K]		
Luminous Flux (Rated) (Min)	5600 lm		
Luminous Flux (Rated) (Nom)	6200 lm		

MasterColor CDM-T T6

Operating and Electrical	
Power (Rated) (Nom)	73.2 W
Lamp Current Run-Up (Max)	1.4 A
Lamp Current (EM) (Nom)	0.98 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	5000 V
Ignition Supply Voltage (Min)	198 V
Ignition Peak Voltage (Min)	3500 V
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	96 V
Voltage (Min)	80 V
Voltage (Nom)	88 V
Controls and Dimming	
Dimmable	No
Run-Up Time 90% (Max)	3 min
Mechanical and Housing	
Bulb Finish	Clear
Approval and Application	
Energy Efficiency Label (EEL)	A

Mercury (Hg) Content (Nom)	4.6 mg
Energy Consumption kWh/1000 h	80 kWh
UV	
Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.3
Luminaire Design Requirements	
Bulb Temperature (Max)	500 °C
Cap-Base Temperature (Max)	280 °C
Pinch Temperature (Max)	350 °C
Product Data	
Order product name	MasterColor CDM-T 70W/830 G12 T6 CL
EAN/UPC - Product	046677223373
Order code	223370
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928082305115
Net Weight (Piece)	0.029 kg
ILCOS Code	MT/UB-70/830-H-G12-20/90

Dimensional drawing

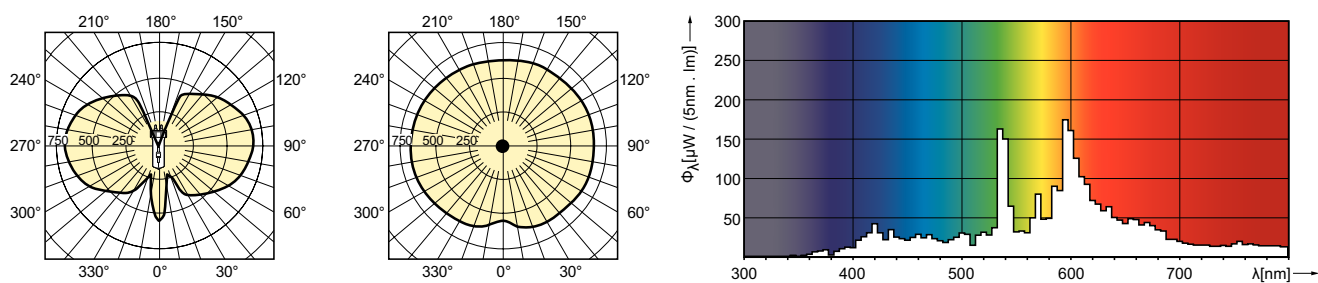


CDM-T 70W/830 G12

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MasterColor CDM-T 70W/830 G12 T6 CL	20 mm	0.75 in	7 mm	55 mm	57 mm	56 mm	103 mm

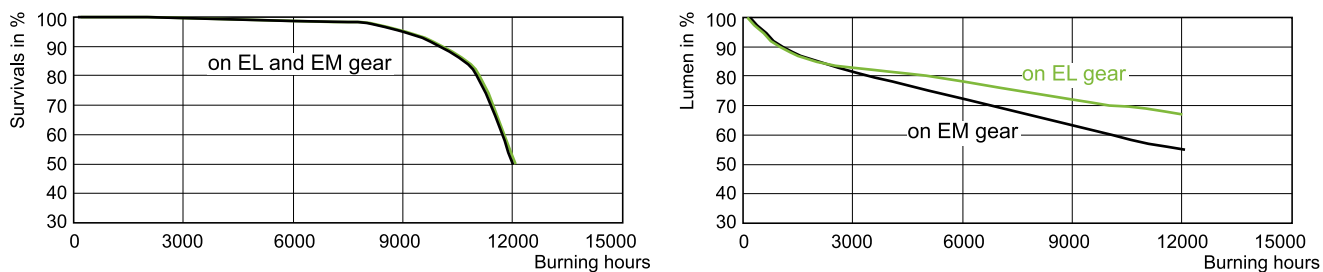
MasterColor CDM-T T6

Photometric data



LDLD_CDM-T_70W_830_942-Light distribution diagram

Lifetime



LDLE_CDM-T_70W_830-Life expectancy diagram

LDLM_CDM-T_70W_830-Lumen maintenance diagram

