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.

Product data

General Information		Chromaticity Coordinate
Base	G12 [G12]	Correlated Color Temper
Operating Position	Universal [Universal]	Luminous Efficacy (rated
Life to 5% Failures (Nom)	9000 h	Color Rendering Index (N
Life To 10% Failures (Nom)	10000 h	
Life to 20% Failures (Nom)	11000 h	Operating and Electri
Life to 50% Failures (Nom)	12000 h	Power (Rated) (Nom)
ANSI Code HID	C139/E	Lamp Current Run-Up (M
		Lamp Current (EM) (Nom
Light Technical		Ignition Supply Voltage (
Color Code	830 [CCT of 3000K]	Ignition Peak Voltage (M
Luminous Flux (Rated) (Min)	5600 lm	Ignition Supply Voltage (
Luminous Flux (Rated) (Nom)	6200 lm	Ignition Peak Voltage (M
Color Designation	Warm White (WW)	Re-Ignition Time (Min) (N
Lumen Maintenance 10000 h (Nom)	70 %	Ignition Time (Max)
Lumen Maintenance 2000 h (Min)	75 %	Voltage (Max)
Lumen Maintenance 2000 h (Nom)	85 %	Voltage (Min)
Lumen Maintenance 5000 h (Min)	70 %	Voltage (Nom)
Lumen Maintenance 5000 h (Nom)	80 %	
Chromaticity Coordinate X (Nom)	0.432	

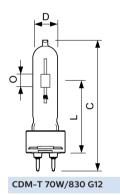
Chromaticity Coordinate Y (Nom)	0.395
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	85 lm/W
Color Rendering Index (Nom)	84
Operating and Electrical	
Power (Rated) (Nom)	73 W
Lamp Current Run-Up (Max)	1.4 A
Lamp Current (EM) (Nom)	0.98 A
Ignition Supply Voltage (Max)	198 V
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

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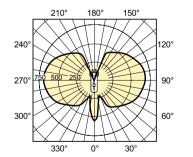
Controls and Dimming		Luminaire Design Requirements	
Dimmable	No	Bulb Temperature (Max)	500 °C
Run-Up Time 90% (Max)	3 min	Cap-Base Temperature (Max)	280 °C
		Pinch Temperature (Max)	350 ℃
Mechanical and Housing			
Bulb Finish	Clear	Product Data	
		Order product name	MasterColor CDM-T 70W/830 G12 T6 CI
Approval and Application		EAN/UPC - Product	046677223373
Energy Efficiency Label (EEL)	А	Order code	223370
Mercury (Hg) Content (Nom)	4.6 mg	Numerator - Quantity Per Pack	1
Energy Consumption kWh/1000 h	80 kWh	Numerator - Packs per outer box	12
		Material Nr. (12NC)	928082305115
UV		Net Weight (Piece)	0.029 kg
Pet (Niosh) (Min)	8 h/500lx	ILCOS Code	MT/UB-70/830-H-G12-20/90
Damage Factor D/fc (Max)	0.3		

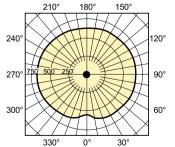
Warnings and Safety

Dimensional drawing



Photometric data

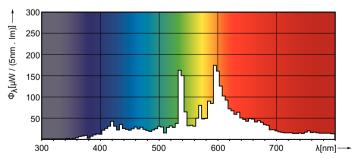






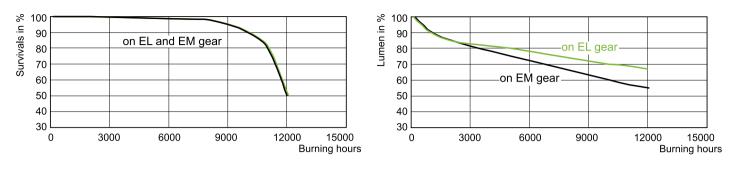
Product

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Lifetime



LDLE_CDM-T_70W_830-Life expectancy diagram

LDLM_CDM-T_70W_830-Lumen maintenance diagram



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