



MasterColor CDM-T T6

MasterColor CDM-T 70W/942 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	
Base	G12 [G12]
Operating Position	Universal [Universal]
Life to 5% Failures (Nom)	9000 h
Life To 10% Failures (Nom)	10000 h
Life to 20% Failures (Nom)	11000 h
Life to 50% Failures (Nom)	12000 h
ANSI Code HID	C139/E
Light Technical	
Color Code	942 [CCT of 4200K]
Luminous Flux (Rated) (Nom)	6200 lm
Color Designation	Cool White (CW)
Lumen Maintenance 10000 h (Nom)	65 %
Lumen Maintenance 2000 h (Min)	75 %
Lumen Maintenance 2000 h (Nom)	85 %
Lumen Maintenance 5000 h (Min)	65 %
Lumen Maintenance 5000 h (Nom)	75 %
Chromaticity Coordinate X (Nom)	0.377
Chromaticity Coordinate Y (Nom)	0.376

Correlated Color Temperature (Nom)	4200 K
Luminous Efficacy (rated) (Nom)	85 lm/W
Color Rendering Index (Nom)	92
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
Controls and Dimming	
Dimmable	No

Datasheet, 2019, December 11 data subject to change

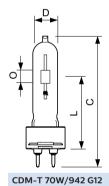
MasterColor CDM-T T6

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)	6.1 mg
Energy Consumption kWh/1000 h	80 kWh
UV	
Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.4
Luminaire Design Requirements	
Bulb Temperature (Max)	500 ℃

Cap-Base Temperature (Max)	280 °C
Pinch Temperature (Max)	350 °C
Product Data	
Order product name	MasterColor CDM-T 70W/942 G12 T6 CL
EAN/UPC - Product	046677281373
Order code	281378
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928084505115
Net Weight (Piece)	0.029 kg
ILCOS Code	MT/UB-70/942-H-G12-20/90

Warnings and Safety

Dimensional drawing

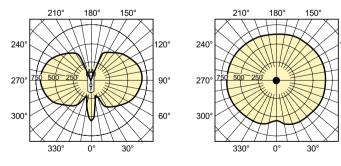


Product

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Photometric data





120°

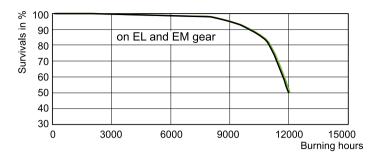
90°

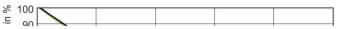
60°

LDLD_CDM-T_70W_830_942-Light distribution diagram

MasterColor CDM-T T6

Lifetime





LDLE_CDM-T_70W_942-Life expectancy diagram



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