



# MasterColor CDM-T T6

# MasterColor CDM-T 35W/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				
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	C130/E			
Light Technical				
Color Code	830 [ CCT of 3000K]			
Luminous Flux (Rated) (Nom)	3100 lm			
Color Designation	Warm White (WW)			

Lumen Maintenance 10000 h (Nom)	50 %
Lumen Maintenance 2000 h (Min)	70 %
Lumen Maintenance 2000 h (Nom)	80 %
Lumen Maintenance 5000 h (Min)	60 %
Lumen Maintenance 5000 h (Nom)	70 %
Chromaticity Coordinate X (Nom)	0.428
Chromaticity Coordinate Y (Nom)	0.397
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	79 lm/W
Color Rendering Index (Nom)	83
Operating and Electrical	
Power (Rated) (Nom)	39.1 W

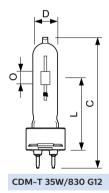
Datasheet, 2020, September 17 data subject to change

# MasterColor CDM-T T6

Lamp Current Run-Up (Max)	0.8 A
Lamp Current (EM) (Nom)	0.53 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)	90 V
Voltage (Min)	76 V
Voltage (Nom)	82 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)	3.1 mg

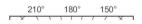
Energy Consumption kWh/1000 h	43 kWh					
UV						
Pet (Niosh) (Min)	8 h/500lx					
Damage Factor D/fc (Max)	0.3					
Luminaire Design Requirements						
Bulb Temperature (Max)	500 ℃					
Cap-Base Temperature (Max)	280 °C					
Pinch Temperature (Max)	350 °C					
Product Data						
Order product name	MasterColor CDM-T 35W/830 G12 T6 CL					
EAN/UPC - Product	046677223281					
Order code	223289					
Numerator - Quantity Per Pack	1					
Numerator - Packs per outer box	12					
Material Nr. (12NC)	928083105115					
Net Weight (Piece)	27.000 g					
ILCOS Code	MT/UB-35/830-H-G12-20/90					

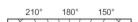
# Dimensional drawing

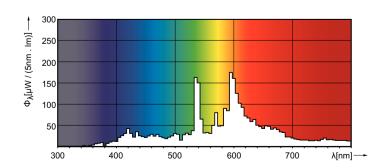


Product	D (max)	D	0	L (min)	L (max)	L	C (max)
MasterColor CDM-T	20 mm	0.75 in	5 mm	55 mm	57 mm	56 mm	103 mm
35W/830 G12 T6 CL							

#### Photometric data

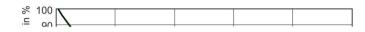


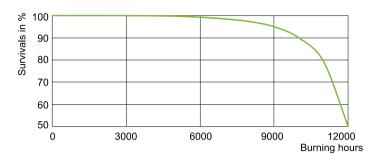




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#### Lifetime





LDLE\_CDM-T\_0001-Life expectancy diagram



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