



MasterColor CDM-T T6 Elite

MasterColor CDM-T Elite 20W/830 T6 1CT

The Elite family is at the very top of the MasterColor CDM range, and gives a unique combination of unbeatable light quality and consistent performance over lifetime, while keeping running costs low. MasterColor metal halide lamps deliver consistent white light and higher color rendering than any standard metal halide source for architectural lighting.

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 EL	9000 hr
Life to 10% failures EL	10000 hr
Life to 20% failures EL	12000 hr
Avg. Hrs. Life	15000 hr

• Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	81 (min), 84 (nom) Ra8
Color Designation	Warm White
Color Temperature	3000 K
Color Temperature technical	2980 K
Initial Lumens	1800 Lm
Luminous Efficacy Lamp EL	90 Lm/W
Lumen Maintenance EL 2000h	87 %
Lumen Maintenance EL 5000h	83 %
Lumen Maintenance EL 10000h	78 %
Lumen Maintenance EL 12000h	77 %
Design Mean Lumens EL	1400 Lm
Chromaticity Coordinate X	0.434 -

Chromaticity Coordinate Y 0.391 -

• Electrical Characteristics

System Power EL	23.5 W
Watts	20 W
Lamp Wattage EL 25°C, Rated	20.0 W
Lamp Wattage EL 25°C, Nominal	20.0 W
Lamp Voltage	94 V
Lamp Current EL	0.215 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Re-ignition Time [min]	15 (max) min
Dimmable	No

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	3.5 mg
Energy consumption kWh/1000h	22 kWh

• UV-related Characteristics

PET (NIOSH) 14 h.klx

• Luminaire Design Requirements

Bulb Temperature 250 (max) C

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MasterColor CDM-T T6 Elite

• Product Dimensions

Reference Length A	90 (max) mm
Overall Length C	103 (max) mm
Diameter D	20 (max) mm
Light Center Length L	55 (min), 56 (nom), 57 (max) mm
Arc Length O	4 mm
Light Center Length L	2.21875 in
Max Overall Length (MOL) - C	3.9375 (max) in
Diameter D	0.75 in

• Product Data

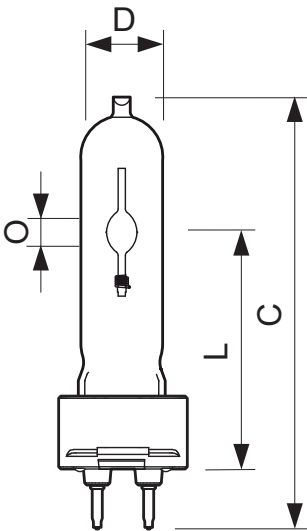
Product number	410472
Full product name	MasterColor CDM-T Elite 20W/830 T6 1CT
Short product name	CDM20/T/830 Elite
Pieces per Sku	1
eop_pck_cfg	12
Skus/Case	12
Bar code on pack	46677410476
Bar code on case	50046677410471
Logistics code(s)	928183305115
tpd_ilcos_cd	MT/UB-20/830-H-G12-20/90
eop_net_weight_pp	0.027 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

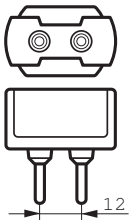
remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

Dimensional drawing



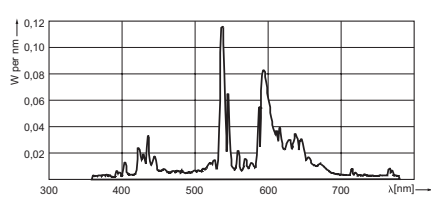
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Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T 20W/830 G12	103	20	55	56	57	4

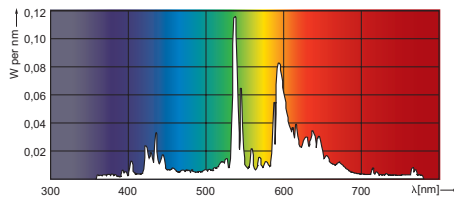


G12

Photometric data



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www.philips.com/lighting

2014, January 11
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