



MasterColor® CDM-TC T4 Elite

MasterColor CDM-TC T4 Elite 20W/830 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. Philips MASTERColor CDM Elite delivers outstanding performance at reduced cost. Its extremely high efficiency means less power is required for each lumen of light produced. And the consistent lumen levels significantly cut the need for maintenance and replacement, which also translates into savings. It is a compact, energy efficient, ceramic metal halide lamp that provides crisp, sparkling light.

Product data

• General Characteristics

Base	G8.5
Bulb	T4 [T 14 mm]
Bulb Material	FadeBlock Quartz
Bulb Finish	Clear
Operating Position	Universal [Any or Universal (U)]
Avg. Hrs. Life	15000 hr
Life to 5% failures EL	9000 hr
Life to 20% failures EL	12000 hr
Life to 10% failures EL	10000 hr

• Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	82 (min), 85 (nom) Ra8
Color Designation	Warm White
Color Temperature technical	2980 K
Chromaticity Coordinate X	0.434 -
Chromaticity Coordinate Y	0.391 -
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
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• Electrical Characteristics

System Power EL	23.5 W
Watts	20 W
Lamp Wattage EL	20 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

Mercury (Hg) Content	3.35 mg
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• UV-related Characteristics

PET (NIOSH)	14 h.klx
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• Luminaire Design Requirements

Pinch Temperature	300 (max) C
Bulb Temperature	320 (max) C

• Product Dimensions

Overall Length C	85 (max) mm
Diameter D	15 (max) mm
Light Center Length L	51 (min) mm
Arc Length O	4 mm

PHILIPS
sense and simplicity

Max Overall Length (MOL) - C 3.346 (max) in
 Diameter D 0.55 in

• Product Data

Product number 410464
 Full product name MasterColor CDM-TC T4 Elite
 20W/830 1CT

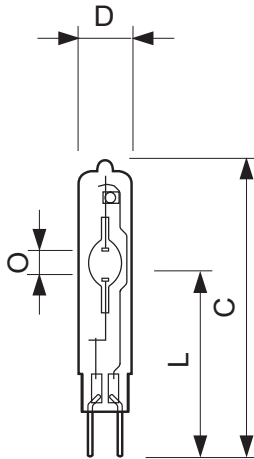
Short product name CDM20/TC/830 Elite
 Pieces per Sku 1
 eop_pck_cfg 12
 Skus/Case 12
 Bar code on pack 46677410469
 Bar code on case 50046677410464
 Logistics code(s) 928183405117
 tpd_ilcos_cd MT-20/30/1A-H-G8.5
 eop_net_weight_pp 0.009 kg

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

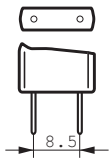
remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter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

Dimensional drawing



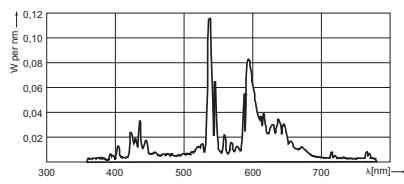
CDM-TC, 20W, /830

Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-TC 20W/830 G8.5	85	15	51	-	-	4

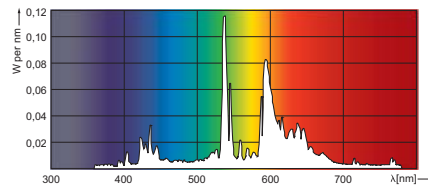


G8.5

Photometric data



MASTERColour CDM-TC 20W /830



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www.philips.com/lighting

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data subject to change