



MasterColor CDM-TC T4 Elite

CDM20/TC/830 Elite

Philips MasterColor CDM Evolution 3000K Tubular Single-Ended T4 Lamp is the next evolution of MasterColor.

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	G8.5 [G8.5]	Lumen Maintenance 10000 h (Nom)	78 %
Operating Position	Universal [Universal]	Lumen Maintenance 2000 h (Nom)	87 %
Life to 5% Failures (Nom)	12000 h	Lumen Maintenance 5000 h (Nom)	83 %
Life To 10% Failures (Nom)	14000 h	Chromaticity Coordinate X (Nom)	0.434
Life to 20% Failures (Nom)	16000 h	Chromaticity Coordinate Y (Nom)	0.391
Life to 50% Failures (Nom)	20000 h	Luminous Efficacy (rated) (Nom)	87 lm/W
ANSI Code HID	-	Color Rendering Index (Nom)	85
Light Technical		Operating and Electrical	
Color Code	830 [CCT of 3000K]	Power (Rated) (Min)	20.0 W
Luminous Flux (Rated) (Min)	1620 lm	Power (Rated) (Nom)	20.1 W
Luminous Flux (Rated) (Nom)	1750 lm	Lamp Current Run-Up (Max)	0.5 A
Color Designation	Warm White (WW)	Re-Ignition Time (Min) (Max)	15 min
Lumen Maintenance 12000 h (Nom)	77 %	Ignition Time (Max)	30 s
		Voltage (Max)	100 V

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Voltage (Min)	90 V
Voltage (Nom)	95 V

Controls and Dimming

Dimmable	No
Run-Up Time 90% (Max)	3 min

Mechanical and Housing

Bulb Finish	Clear
Bulb Material	UV-Block Quartz

Approval and Application

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

UV

Pet (Niosh) (Min)	8 h/500lx
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Damage Factor D/fc (Max)	0.4
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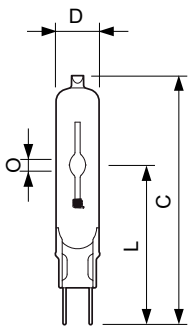
Luminaire Design Requirements

Bulb Temperature (Max)	320 °C
Pinch Temperature (Max)	300 °C

Product Data

Order product name	CDM20/TC/830 Elite
EAN/UPC - Product	046677410469
Order code	410464
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928183405115
Net Weight (Piece)	0.009 kg
ILCOS Code	MT/UB-20/830-H-G8.5-17/85

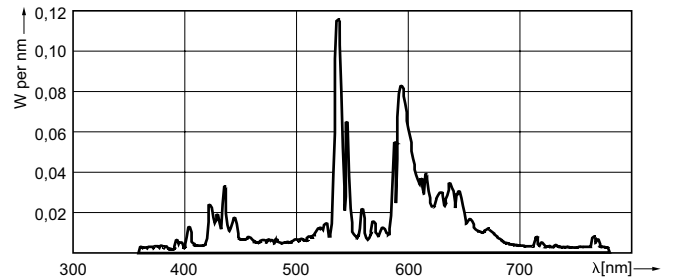
Dimensional drawing



CDM-TC 20W/830 G8.5

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
CDM20/TC/830 Elite	15 mm	0.55 in	4 mm	51 mm	53 mm	52 mm	85 mm

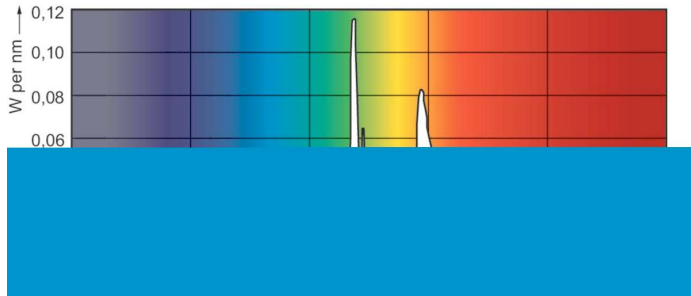
Photometric data



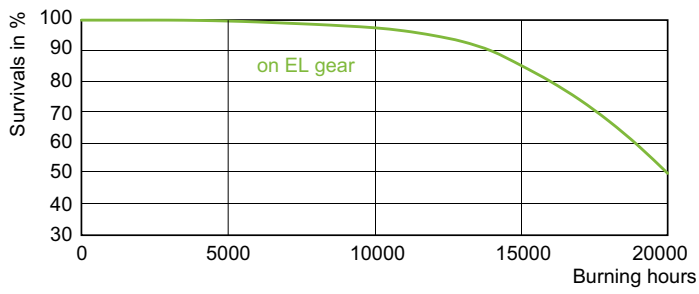
LDPB_CDM-TC_20W_830-Spectral power distribution B/W

MasterColor CDM-TC T4 Elite

Photometric data



Lifetime



LDLE_CDM-T-E_0006-Life expectancy diagram

