



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.

Product data

General Information		Color Rendering Index (Nom)	
Base	G8.5 [G8.5]		85
Operating Position	Universal [Universal]	Operating and Electrical	
Life to 5% Failures (Nom)	12000 h	Power (Rated) (Min)	20.0 W
Life To 10% Failures (Nom)	14000 h	Power (Rated) (Nom)	20 W
Life to 20% Failures (Nom)	16000 h	Lamp Current Run-Up (Max)	0.5 A
Life to 50% Failures (Nom)	20000 h	Re-Ignition Time (Min) (Max)	15 min
ANSI Code HID	-	Ignition Time (Max)	30 s
Light Technical		Voltage (Max)	100 V
Color Code	830 [CCT of 3000K]	Voltage (Min)	90 V
Luminous Flux (Rated) (Min)	1620 lm	Voltage (Nom)	95 V
Luminous Flux (Rated) (Nom)	1800 lm	Controls and Dimming	
Color Designation	Warm White (WW)	Dimmable	No
Lumen Maintenance 12000 h (Nom)	77 %	Run-Up Time 90% (Max)	3 min
Lumen Maintenance 10000 h (Nom)	78 %	Mechanical and Housing	
Lumen Maintenance 2000 h (Nom)	87 %	Bulb Finish	Clear
Lumen Maintenance 5000 h (Nom)	83 %	Bulb Material	UV-Block Quartz
Chromaticity Coordinate X (Nom)	0.434	Approval and Application	
Chromaticity Coordinate Y (Nom)	0.391	Energy Efficiency Label (EEL)	A+
Correlated Color Temperature (Nom)	2980 K		
Luminous Efficacy (rated) (Nom)	90 lm/W		

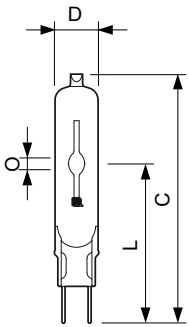
MasterColor CDM-TC T4 Elite

Mercury (Hg) Content (Nom)	3.5 mg
Energy Consumption kWh/1000 h	22 kWh
UV	
Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.4
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

Warnings and Safety

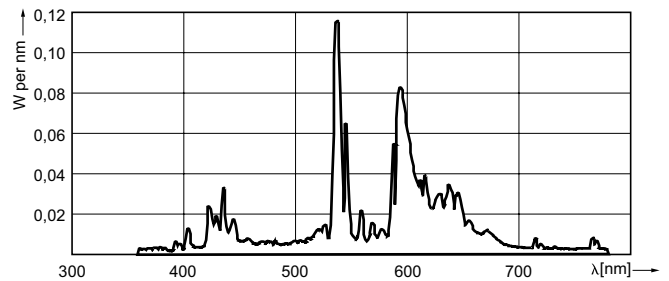
Dimensional drawing



CDM-TC 20W/830 G8.5

Product
CDM20/TC/830 Elite

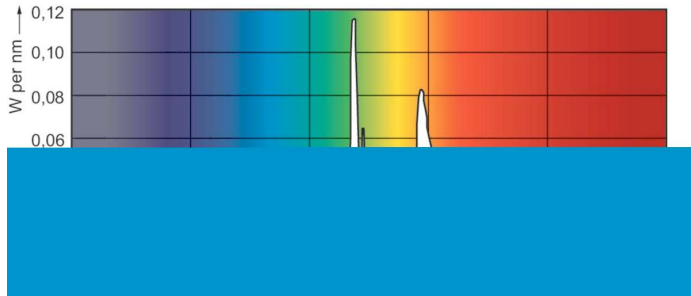
Photometric data



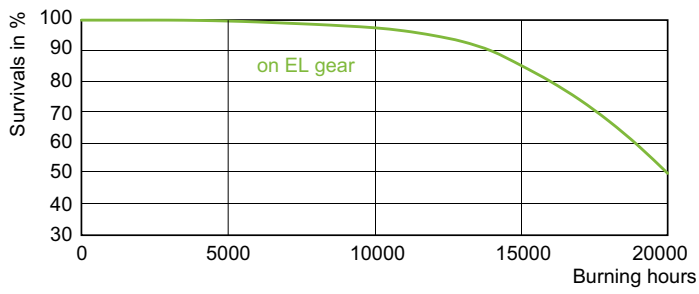
LDPB_CDM-TC_20W_830-Spectral power distribution B/W

MasterColor CDM-TC T4 Elite

Photometric data



Lifetime



LDLE_CDM-T-E_0006-Life expectancy diagram

