PHILIPS Lighting



MASTERColour CDM-TC Elite

MASTERColour CDM-TC Elite 20W/830 G8.5 1CT/12

Compact, single-ended, very high-efficiency, long-life ceramic metal-halide discharge lamp producing crisp white sparkling light with high color rendering

Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Use only with electronic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Product data

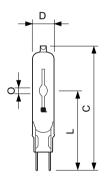
General Information		Correlated Color Temperature (Nom) 3000 K	
-Base	G8.5	Luminous Efficacy (rated) (Nom)	87 lm/W
erating Position	UNIVERSAL [Any or Universal (U)]	Color rendering index (CRI)	85
measurement reference	Sphere	Arc Length O (Nom)	4 mm
e to 50% Failures (Nom)	20,000 hour(s)		
		Operating and Electrical	
ight Technical		Power Consumption	20.1 W
lor Code	830 [CCT of 3000K]	Voltage (Nom)	95 V
minous Flux	1,750 lm	Voltage (Nom)	95 V
lor Designation	Warm White (WW)		
romaticity Coordinate X (Nom)	0.434		
hromaticity Coordinate Y (Nom)	0.398		

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Controls and Dimming			
Dimmable	No		
Mechanical and Housing			
Bulb Finish	Clear		
Bulb Material	UV-Block Quartz		
Bulb Shape	T14		
Approval and Application			
Energy Efficiency Class	G		
Mercury (Hg) Content (Max)	3.5 mg		
Mercury (Hg) Content (Nom)	3.5 mg		
Energy Consumption kWh/1000 h	21 kWh		
EPREL Registration Number	473254		

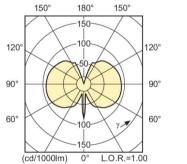
Product Data		
Order product name	MASTERC CDM-TC Elite 20W/830 G8.5 1CT/12	
Full product name	MASTERColour CDM-TC Elite 20W/830 G8.5	
	1CT/12	
Full product code	872790087158600	
Order code	87158600	
Material Nr. (12NC)	928183405125	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8727900871586	
Numerator - Packs per outer box	12	
EAN/UPC - Case	8727900871593	

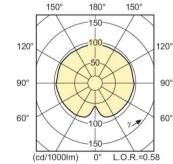
Dimensional drawing



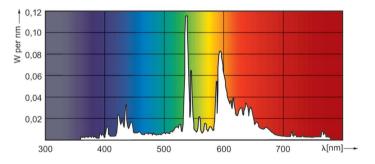
ProductD (max)DC (max)L (max)C (max)MASTERC CDM-TC Elite15 mm0.55 inch4 mm51 mm53 mm52 mm55 mm20W/330 G8.51CT/12-----------

Photometric data





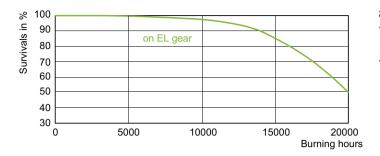
Light Distribution Diagram - MASTERC CDM-TC Elite 20W/830 G8.5 1CT/12



Spectral Power Distribution Colour - MASTERC CDM-TC Elite 20W/830 G8.5 1CT/12

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Lifetime



Life Expectancy Diagram - MASTERC CDM-TC Elite 20W/830 G8.5 1CT/12

% 100 Lumen in 90 80 on EL gear 70 60 50 40 30 0 3000 6000 9000 12000 15000 Burning hours

Lumen Maintenance Diagram - MASTERC CDM-TC Elite 20W/830 G8.5 1CT/12



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www.lighting.philips.com 2023, May 15 - data subject to change