PHILIPS Lighting



MASTERColour CDM-TC Elite

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

Single-ended, compact size, high-efficiency Ceramic Metal Halide discharge lamp

Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- \cdot The luminaire must be able to contain hot lamp parts if the lamp ruptures
- \cdot 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

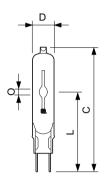
General Information		Arc Length O (Nom)	4 mm
Cap-Base	G8.5		
Operating Position	UNIVERSAL [Any or Universal (U)]	Operating and Electrical	
ux measurement reference	Sphere	Power Consumption	20.1 W
e to 50% Failures (Nom)	20,000 hour(s)	Voltage (Nom)	95 V
		Voltage (Nom)	95 V
ght Technical			
olor Code	830 [CCT of 3000K]	Controls and Dimming	
ıminous Flux	1,750 lm	Dimmable	No
or Designation	Warm White (WW)		
romaticity Coordinate X (Nom)	0.434	Mechanical and Housing	
nromaticity Coordinate Y (Nom)	0.398	Bulb Finish	Clear
orrelated Color Temperature (Nom)	3000 K	Bulb Material	UV-Block Quartz
minous Efficacy (rated) (Nom)	87 lm/W	Bulb Shape	T14
Color rendering index (CRI)	85		

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

Full product code	872790087158600
Order code	928183405125
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



MASTERC CDM-TC Elite 15 mm 0.55 inch 4 mm 51 mm 53 mm 52 mm 85 mm 20W/830 G8.5 1CT/12

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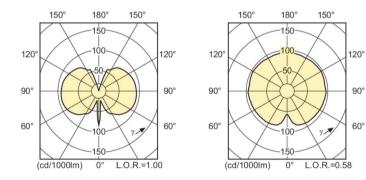
L(min) L(max) L

C (max)

D (max) D

Product

Photometric data



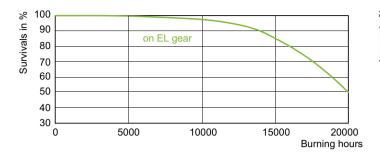
Light Distribution Diagram - MASTERC CDM-TC Elite 20W/830 G8.5 1CT/12

0,12 0,10 0,08 0,06 0,04 0,02 300 400 500 600 700 \[m]

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