

PHILIPS

Lighting



MASTERColour CDM-TC

MASTERColour CDM-TC 70W/830 G8.5 1CT/12

Range of single-ended, very compact, high-efficiency, discharge lamps with a stable color over lifetime and a crisp, sparkling light

Product data

General Information	
Cap-Base	G8.5 [G8.5]
Operating Position	UNIVERSAL [Universal]
Life to 5% Failures (Nom)	9000 h
Life To 10% Failures (Nom)	8000 h
Life to 20% Failures (Nom)	9000 h
Life to 50% Failures (Nom)	12000 h
ANSI Code HID	C139/E

Light Technical	
Color Code	830 [CCT of 3000K]
Luminous Flux (Rated) (Nom)	6300 lm
Color Designation	Warm White (WW)
Lumen Maintenance 10000 h (Nom)	65 %
Lumen Maintenance 2000 h (Min)	75 %
Lumen Maintenance 2000 h (Nom)	85 %
Lumen Maintenance 5000 h (Min)	65 %
Lumen Maintenance 5000 h (Nom)	75 %
Chromaticity Coordinate X (Nom)	0.439
Chromaticity Coordinate Y (Nom)	0.398
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	86 lm/W

Color Rendering Index (Nom)	83
-----------------------------	----

Operating and Electrical	
Power (Rated) (Nom)	73.2 W
Lamp Current Run-Up (Max)	1.4 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	5000 V
Ignition Supply Voltage (Min)	198 V
Ignition Peak Voltage (Min)	3500 V
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	87 V
Voltage (Min)	78 V
Voltage (Nom)	83 V

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

Mechanical and Housing	
Bulb Finish	Clear

MASTERCcolour CDM-TC

Bulb Material	FadeBlock Quartz
---------------	------------------

Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	4.6 mg
Energy Consumption kWh/1000 h	80 kWh

UV

Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.3

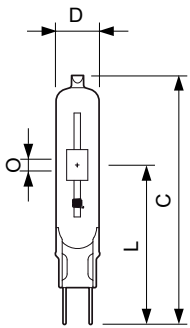
Luminaire Design Requirements

Bulb Temperature (Max)	550 °C
Pinch Temperature (Max)	300 °C

Product Data

Full product code	871150020167615
Order product name	MASTERCcolour CDM-TC 70W/830 G8.5 1CT/12
EAN/UPC - Product	8711500201676
Order code	928086505131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928086505131
Net Weight (Piece)	0.010 kg
ILCOS Code	MT/UB-70/830-H-G8.5-17/85

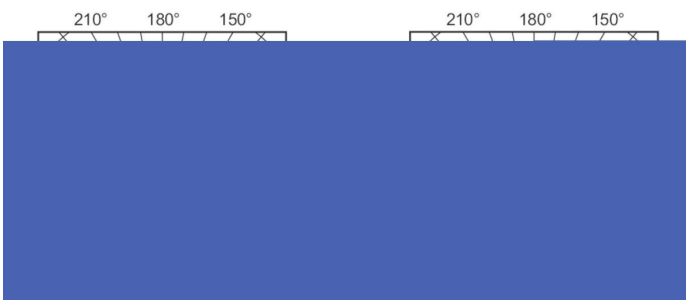
Dimensional drawing



CDM-TC 70W/830 G8.5

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERCcolour CDM-TC 70W/830 G8.5 1CT/12	15 mm	0.5 in	7 mm	51 mm	53 mm	52 mm	85 mm

Photometric data



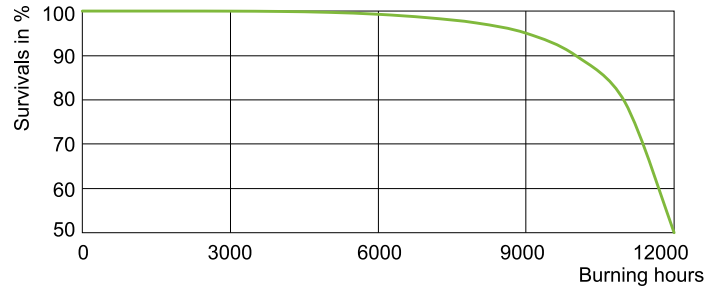
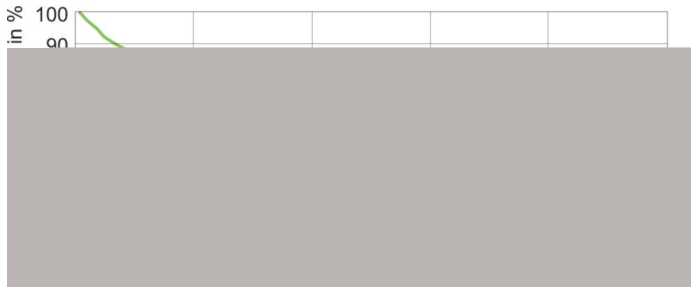
CDM-TC 35W, 70W /830



MASTERCcolour CDM-TC 35W, 70W /830

MASTERCcolour CDM-TC

Lifetime



CDM-TC 70W Lumen Maintenance /830

CDM-TC 35W, 70W Life Expectancy /830, /842 G8.5

