



# 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		Color Rendering Index (Nom)	
Cap-Base	G8.5 [ G8.5]		83
Operating Position	UNIVERSAL [ Any or Universal (U)]	Operating and Electrical	
Life to 5% Failures (Nom)	9000 h	Power (Nom)	73.2 W
Life To 10% Failures (Nom)	8000 h	Lamp Current Run-Up (Max)	1.4 A
Life to 20% Failures (Nom)	9000 h	Ignition Supply Voltage (Max)	198 V
Life to 50% Failures (Nom)	12000 h	Ignition Peak Voltage (Max)	5000 V
ANSI Code HID	C139/E	Ignition Supply Voltage (Min)	198 V
		Ignition Peak Voltage (Min)	3500 V
Light Technical		Re-Ignition Time (Min) (Max)	15 min
Color Code	830 [ CCT of 3000K]	Ignition Time (Max)	30 s
Luminous Flux (Rated) (Nom)	6300 lm	Voltage (Max)	87 V
Color Designation	Warm White (WW)	Voltage (Min)	78 V
Lumen Maintenance 10000 h (Nom)	65 %	Voltage (Nom)	83 V
Lumen Maintenance 2000 h (Min)	75 %	Controls and Dimming	
Lumen Maintenance 2000 h (Nom)	85 %	Dimmable	No
Lumen Maintenance 5000 h (Min)	65 %	Run-Up Time 90% (Max)	3 min
Lumen Maintenance 5000 h (Nom)	75 %	Mechanical and Housing	
Chromaticity Coordinate X (Nom)	0.439	Bulb Finish	Clear
Chromaticity Coordinate Y (Nom)	0.398		
Correlated Color Temperature (Nom)	3000 K		
Luminous Efficacy (rated) (Nom)	86 lm/W		

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Bulb Material	UV-Block Quartz
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## 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

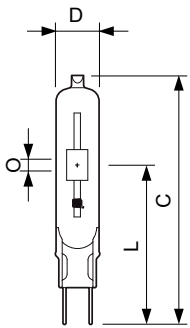
## Luminaire Design Requirements

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

## Product Data

Full product code	871150020167615
Order product name	MASTERColour 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

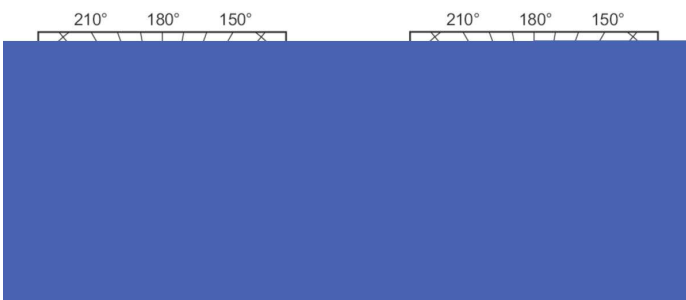
## Dimensional drawing



CDM-TC 70W/830 G8.5

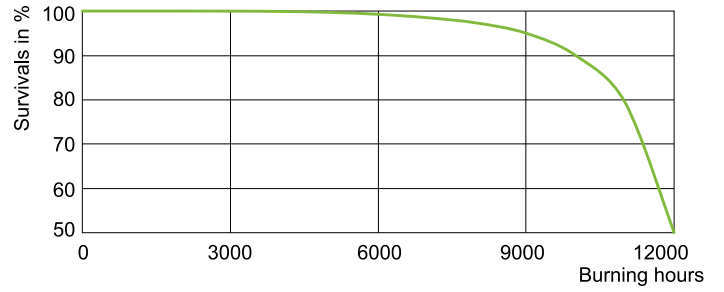
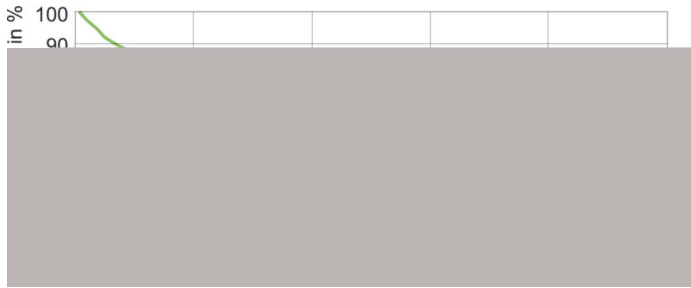
Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	15 mm	0.5 in	7 mm	51 mm	53 mm	52 mm	85 mm

## Photometric data



# MASTERCcolour CDM-TC

## Lifetime



LDLE\_CDM-TC\_0001-Life expectancy diagram

