



# 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 [ Any or Universal (U)]
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 (Nom)	73 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

Datasheet, 2020, March 19 data subject to change

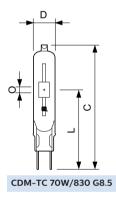
# **MASTERColour CDM-TC**

Bulb Material	UV-Block 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	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

#### **Warnings and Safety**

#### Dimensional drawing

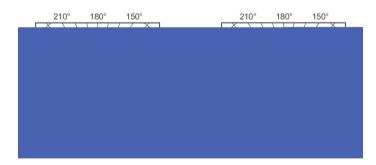


 Product
 D (max)
 D (max)
 O L (min)
 L (max)
 L C (max)

 MASTERColour CDM-TC
 15 mm
 0.5 in
 7 mm
 51 mm
 53 mm
 52 mm
 85 mm

 70W/830 G8.5 ICT/12

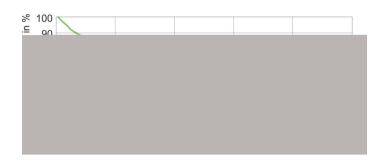
### Photometric data

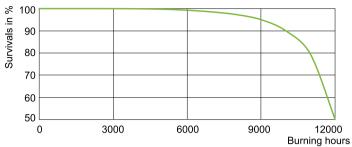




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#### Lifetime





LDLE\_CDM-TC\_0001-Life expectancy diagram



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