



MASTERColour CDM-TC

MASTERColour CDM-TC 70W/842 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

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
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Use only with electronic control gear. 35W/830 lamps may also use electromagnetic gear.
- 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			
Cap-Base	G8.5 [G8.5]	Lumen Maintenance 2000 h (Min)	70 %
Operating Position	UNIVERSAL [Any or Universal (U)]	Lumen Maintenance 2000 h (Nom)	80 %
Life to 5% Failures (Nom)	9000 h	Lumen Maintenance 5000 h (Min)	65 %
Life To 10% Failures (Nom)	8000 h	Lumen Maintenance 5000 h (Nom)	75 %
Life to 20% Failures (Nom)	9000 h	Chromaticity Coordinate X (Nom)	0.362
Life to 50% Failures (Nom)	12000 h	Chromaticity Coordinate Y (Nom)	0.363
ANSI Code HID	-	Correlated Color Temperature (Nom)	4200 K
		Luminous Efficacy (rated) (Nom)	79 lm/W
		Color Rendering Index (Nom)	89
Light Technical		Operating and Electrical	
Color Code	842 [CCT of 4200K]	Power (Nom)	73.2 W
Luminous Flux (Rated) (Nom)	5800 lm	Re-Ignition Time (Min) (Max)	15 min
Color Designation	Cool White (CW)	Ignition Time (Max)	30 s
Lumen Maintenance 10000 h (Nom)	65 %		

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Voltage (Max)	93 V
Voltage (Min)	83 V
Voltage (Nom)	88 V

Controls and Dimming

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

Mechanical and Housing

Bulb Finish	Clear
Bulb Material	UV-Block Quartz

Approval and Application

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	7 mg
Energy Consumption kWh/1000 h	80 kWh

UV

Pet (Niosh) (Min)	8 h/500lx
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Damage Factor D/fc (Max)	0.5
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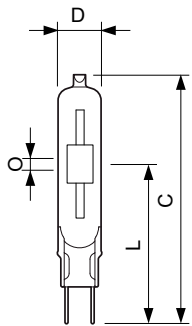
Luminaire Design Requirements

Bulb Temperature (Max)	700 °C
Pinch Temperature (Max)	300 °C

Product Data

Full product code	871150021275715
Order product name	MASTERCoulour CDM-TC 70W/842 G8.5 1CT/12
EAN/UPC - Product	8711500212757
Order code	928094605131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928094605131
Net Weight (Piece)	0.010 kg
ILCOS Code	MT/UB-70/842-H-G8.5-17/85

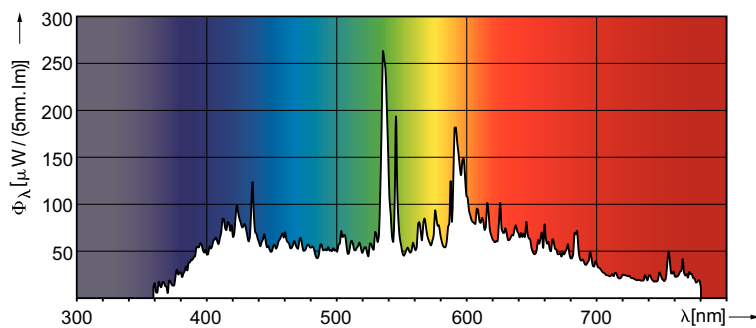
Dimensional drawing



CDM-TC 70W/842 G8.5

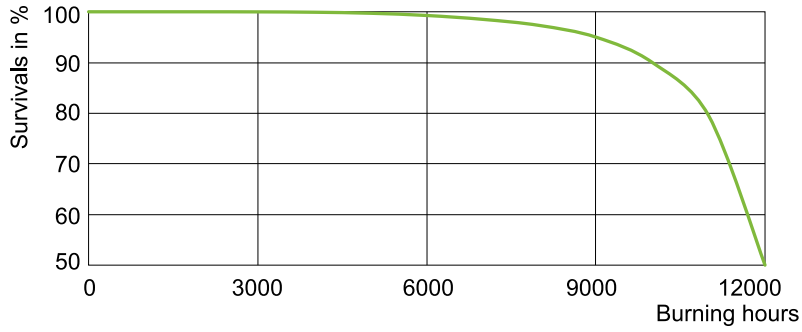
Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERCoulour CDM-TC 70W/842 G8.5 1CT/12	15 mm	5 mm	51 mm	53 mm	52 mm	85 mm

Photometric data



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Lifetime



LDLE_CDM-TC_0001-Life expectancy diagram

