



# 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 colour over lifetime and a crisp, sparkling light

### Product data

General Information		Colour Rendering Index,horiz (Nom)	
Cap base	G8.5 [ G8.5]		89
Burning Position	UNIVERSAL [ Any/Universal]	Operating and Electrical	
Life to 5% failures (nom.)	9000 h	Power (Rated) (Nom)	73 W
Life to 10% failures (nom.)	8000 h	Re-ignition time (min.) (max.)	15 min
Life to 20% failures (nom.)	9000 h	Ignition time (max.)	30 s
Life to 50% failures (nom.)	12000 h	Voltage (Max)	93 V
ANSI code HID	-	Voltage (Min)	83 V
		Voltage (Nom)	88 V
Light Technical		Controls and Dimming	
Colour Code	842 [ CCT of 4,200 K]	Dimmable	no
Lamp Luminous Flux (Nom)	5800 lm	Run-up time 90% (max.)	3 min
Colour Designation	Cool White (CW)	Mechanical and Housing	
Lumen maintenance 10,000 hours (nom.)	65 %	Bulb finish	Clear (CL)
Lumen maintenance 2,000 hours (min.)	70 %	Bulb material	UV-Block Quartz
Lumen maintenance 2,000 hours (nom.)	80 %	Approval and Application	
Lumen maintenance 5,000 hours (min.)	65 %	Energy efficiency label (EEL)	A
Lumen maintenance 5,000 hours (nom.)	75 %	Mercury (Hg) content (nom.)	7 mg
Chromaticity coordinate X (nom.)	0.362		
Chromaticity coordinate Y (nom.)	0.363		
Colour Temperature, horizontal (Nom)	4200 K		
Lamp Luminous Efficacy EM (Nom)	79 lm/W		

# MASTERCcolour CDM-TC

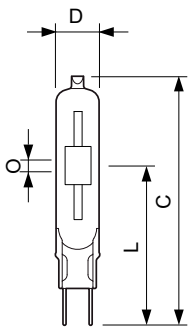
Energy Consumption kWh/1000 h	80 kWh
<b>UV</b>	
PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.5
<b>Luminaire Design Requirements</b>	
Bulb temperature (max.)	700 °C
Pinch temperature (max.)	300 °C
<b>Product Data</b>	
Full product code	871869648465400

Order product name	MASTERCcolour CDM-TC 70W/842 G8.5 1CT/12
EAN/UPC – product	8718696484654
Order code	48465400
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928094605129
Net weight (piece)	10.000 g
ILCOS Code	MT/UB-70/842-H-G8.5-17/85

## 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.

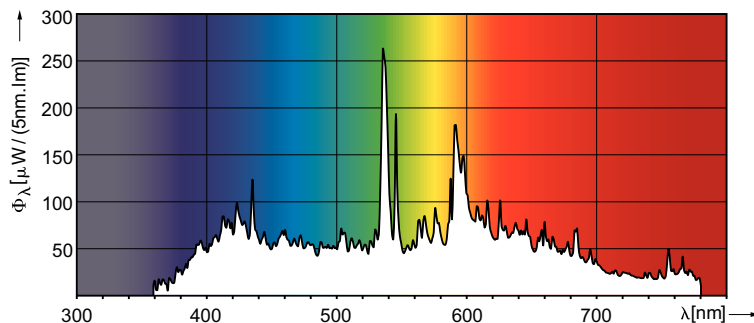
## Dimensional drawing



CDM-TC 70W/842 G8.5

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

