



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		
Cap base	G8.5 [G8.5]	
Operating position	UNIVERSAL [Any/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	-	
Light Technical		
Colour code	842 [CCT of 4,200 K]	
Luminous flux (rated) (nom.)	5800 lm	
Colour designation	Cool White (CW)	
Lumen maintenance 10,000 hours (nom.) 65 %		
Lumen maintenance 2,000 hours (min.)	70 %	
Lumen maintenance 2,000 hours (nom.)	80 %	
Lumen maintenance 5,000 hours (min.)	65 %	
Lumen maintenance 5,000 hours (nom.)	75 %	
Chromaticity coordinate X (nom.)	0.362	
Chromaticity coordinate Y (nom.)	0.363	
Correlated colour temperature (nom.)	4200 K	
Luminous efficacy (rated) (nom.)	79 lm/W	

Color rendering index (nom.)	89
Operating and Electrical	
Power (Rated) (Nom)	73 W
Re-ignition time (min.) (max.)	15 min
Ignition time (max.)	30 s
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)	А
Mercury (Hg) content (nom.)	7 mg

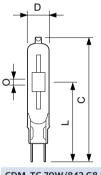
MASTERColour CDM-TC

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

Order product name	MASTERColour CDM-TC 70W/842 G8.5
	1CT/12
EAN/UPC – product	8711500212757
Order code	21275715
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928094605131
Net weight (piece)	0.010 kg
ILCOS Code	MT/UB-70/842-H-G8.5-17/85

Warnings and Safety

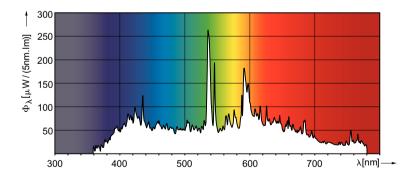
Dimensional drawing



Product	D (max)	0	L (min)	L (max)	L	C (max)	
MASTERColour CDM-TC	15 mm	5 mm	51 mm	53 mm	52 mm	85 mm	
70W/842 G8.5 1CT/12							

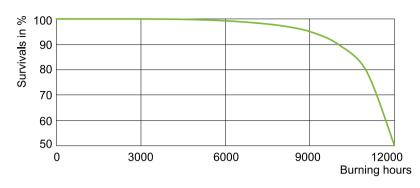
CDM-TC 70W/842 G8.5

Photometric data



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Lifetime



LDLE_CDM-TC_0001-Life expectancy diagram



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