

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 4200K]
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) (Min)	73.0 W
Power (Rated) (Nom)	70 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 (CL)
Bulb material	UV-Block Quartz

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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
Damage factor D/fc (max.)	0.5

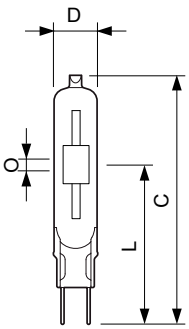
Luminaire Design Requirements	
Bulb temperature (max.)	700 °C
Pinch temperature (max.)	300 °C

Product Data	
Full product code	871150021275715
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

- 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.

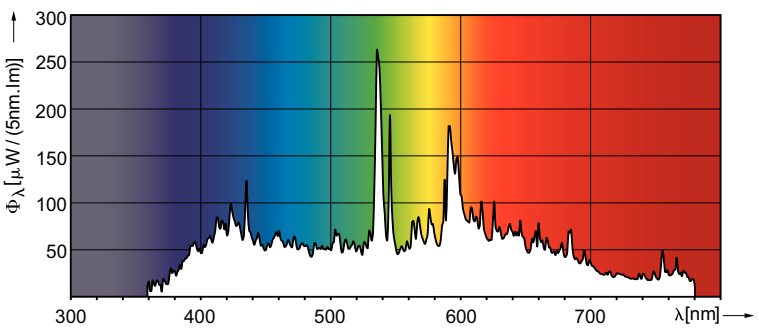
Dimensional drawing



CDM-TC 70W/842 G8.5

Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour 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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2017, May 8 - data subject to change