

MASTERColour CDM-TC Elite

MASTERColour CDM-TC Elite 50W/942 G8.5 1CT

Compact, single-ended, very high-efficiency, long-life ceramic metal-halide discharge lamp producing crisp white sparkling light with high color rendering

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)	10000 h
Life to 20% Failures (Nom)	12000 h
Life to 50% Failures (Nom)	15000 h
ANSI Code HID	-

Light Technical	
Color Code	942 [CCT of 4200K]
Luminous Flux (Rated) (Nom)	5100 lm
Color Designation	Cool White (CW)
Lumen Maintenance 12000 h (Nom)	84 %
Lumen Maintenance 10000 h (Nom)	85 %
Lumen Maintenance 2000 h (Nom)	92 %
Lumen Maintenance 5000 h (Nom)	89 %
Chromaticity Coordinate X (Nom)	0.367
Chromaticity Coordinate Y (Nom)	0.362
Correlated Color Temperature (Nom)	4200 K
Luminous Efficacy (Rated) (Nom)	102 lm/W
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90

Operating and Electrical	
Power (Rated) (Nom)	50.0 W
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	99 V
Voltage (Min)	87 V
Voltage (Nom)	93 V

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

Mechanical and Housing	
Bulb Finish	Clear

Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	5.7 mg
Energy Consumption kWh/1000 h	55 kWh

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

Luminaire Design Requirements	
Bulb Temperature (Max)	550 °C
Pinch Temperature (Max)	350 °C

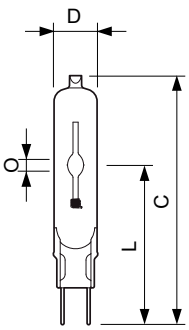
Product Data	
Full product code	871829120163200

Order product name	MASTERColour CDM-TC Elite 50W/942 G8.5 1CT
EAN/UPC - Product	8718291201632
Order code	928080115131
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928080115131
Net Weight (Piece)	10.000 g
ILCOS Code	MT/UB-50/942-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
- Use only with electronic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- 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.

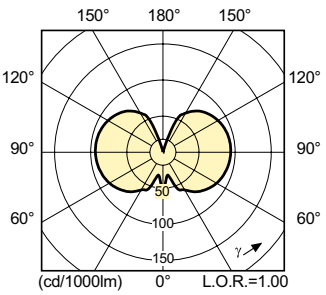
Dimensional drawing

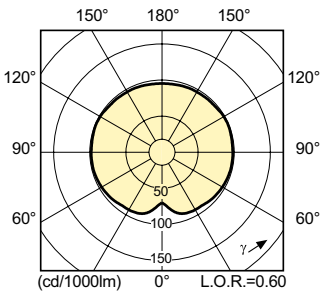


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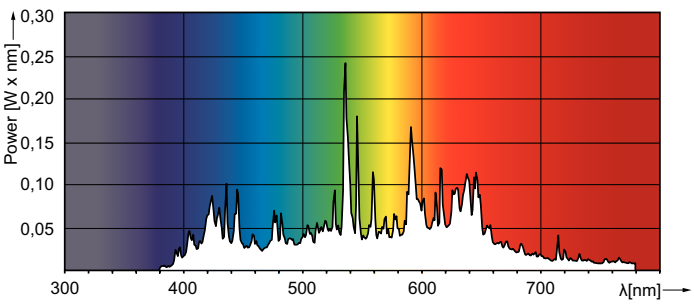
Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-TC Elite 50W/942 G8.5 1CT	15 mm	7.1 mm	51 mm	53 mm	52 mm	85 mm

Photometric data





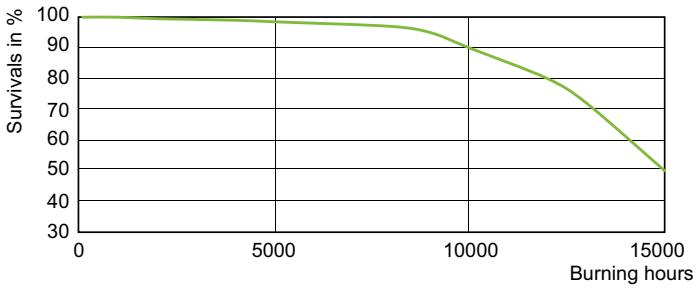
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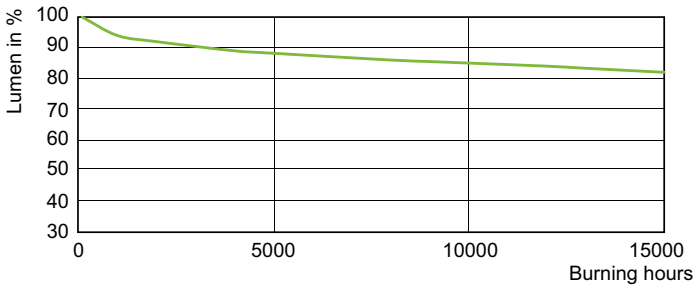
CDM-TC Elite 50W /942

MASTERColour CDM-TC Elite

Lifetime



CDM-TC Elite 50W Life Expectancy /942



CDM-TC Elite 50W Lumen Maintenance /942

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